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CONTENTS.

RETURNS OF JOINT STOCK COMPANIES FOR THE YEAR 1890-91.

No. I.

Statement showing the name and number on the Register borne by each Joint-stock Company registered in the Calcutta Registry Office with its object, nominal capital, and date of registration, during the year ending 31st March 1891.

Number on this list.	Number borne by each Company in the General Register.	Name of the Company.	Object of each Company.	Date of registration.	Nominal capital.	Remarks.
					Rs.	
1	600	Bengal Spinning and Weaving Co., Ld.	Spinning and weaving cotton, &c.	18th April 1890 ...	10,00,000	
2	601	Kisna Tea Co., Ld.	To cultivate tea, &c.	23rd „ „ ...	8,00,000	
3	602	Mofussil Bone Crushing and Manure Co., Ld.	Bone crushing and manure manufacturing.	30th „ „ ...	1,00,000	
4	603	Jaigon Tea Co., Ld.	To cultivate tea, &c.	3rd May „ ...	2,00,000	
5	604	Gairkhata Tea Co., Ld.	Ditto ditto	14th „ „ ...	1,60,000	
6	605	Bengal Gold Syndicate, Ld. ...	To acquire lands for mining purposes and to prospect.	14th „ „ ...	50,000	
7	606	Tangra Tannery and Manure Co., Ld.	Tanning hide skin and crushing bones.	16th „ „ ...	50,000	
8	607	Manbhoom Gold Syndicate, Ld. ...	To acquire lands for mining purposes and to prospect.	21st „ „ ...	50,000	
9	608	Singbhoom Gold Reefs, Ld. ..	Ditto ditto ...	21st „ „ ...	50,000	
10	609	Jhirighat Native Tea Co., Ld. ...	To cultivate tea, &c.	9th June „ ...	20,000	
11	610	New Agra Pressing Co., Ld. ..	To press jute, &c.	18th „ „ ...	70,000	
12	611	Chota Nagpore Gold and Mining Co., Ld.	To acquire lands for mining purposes and to prospect.	20th „ „ ...	2,00,000	
13	612	Tyroon Tea Co., Ld.	To cultivate tea, &c.	21st „ „ ...	1,00,000	
14	613	Bengal Provincial Railway Co., Ld	To construct steam tramways between Tarkesswar and Magra.	23rd „ „ ...	8,00,000	
15	614	Kharsowan Gold Syndicate, Ld. ...	To acquire lands for mining purposes and to prospect.	27th „ „ ...	2,00,000	
16	615	Lohagar Tea Co., Ld.	To cultivate tea, &c.	19th July „ ...	2,10,000	
17	616	Karo Gold Mining Co., Ld. ...	To acquire lands for mining purposes and to prospect.	2nd Aug. „ ...	1,00,000	
18	617	Jamalpore Co-operative Association, Ld.	To trade in co-operative stores ...	4th „ „ ...	8,000	
19	618	Western Bengal Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	8th „ „ ...	1,00,000	
20	619	Central Jute Mills Co., Ld. ...	Spinning and weaving jute, cotton, &c.	8th „ „ ...	7,00,000	
21	620	India General Steam Navigation Co., Ld	Navigating business	14th „ „ ...	80,00,000	
22	621	Bengal Gold and Silver Mining Co., Ld.	To acquire lands for mining purposes and to prospect.	30th „ „ ...	12,00,000	
23	622	Patpat Gold Mining Co., Ld. ...	Ditto ditto ...	4th Sept. „ ...	10,30,000	
24	623	Sonapet Proprietary Gold Mining Co., Ld.	Ditto ditto ...	4th „ „ ...	12,12,000	
25	624	Ranchi Gold Prospecting Syndicate, Ld.	Ditto ditto ...	4th „ „ ...	50,500	
26	625	Howrah Mills Co., Ld.	Spinning and weaving jute, cotton, &c.	13th „ „ ...	26,25,000	
27	626	Lohardugga Gold Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	23rd „ „ ...	51,500	
28	627	Fort Gloster Jute Manufacturing Co., Ld.	To manufacture jute, &c.	24th „ „ ...	14,00,000	
29	628	Altadanga Tea Co., Ld. .. .	To cultivate tea, &c.	25th „ „ ...	30,000	
30	629	Dumra Gold Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	27th „ „ ...	4,04,000	
31	630	Patkoom Indigo and Trading Co., Ld.	Planting indigo, &c.	30th „ „ ...	2,25,000	
32	631	Patkoom Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	30th „ „ ...	1,00,000	
33	632	Dhadka Mining Co., Ld.	Ditto ditto ...	30th „ „ ...	10,00,000	
34	633	Nuddea Tea Co., Ld.	To cultivate tea, &c.	30th „ „ ...	60,000	
35	634	Eastern Ranchi Gold Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	3rd Oct. „ ...	2,00,000	
36	635	Bengal Tarpaulin Manufacturing Co., Ld.	To manufacture tarpauline ...	3rd „ „ ...	50,000	
37	636	Globe Gold Prospecting and Mining Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	4th „ „ ...	80,000	
38	637	Ramnugger Indigo Concern, Ld. ...	Planting indigo	6th „ „ ...	1,40,000	
39	638	Soobarnrocka Gold Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	6th „ „ ...	1,00,000	
40	639	Western Patkoom Gold Prospecting Syndicate, Ld.	Ditto ditto ...	8th „ „ ...	12,12,000	
41	640	Central Chota Nagpore Syndicate, Ld.	Ditto ditto ...	10th „ „ ...	1,00,000	
42	641	Reliance Gold Syndicate, Ld. ...	Ditto ditto ..	11th „ „ ...	2,50,000	
43	642	Sonokhan Gold and Mining Co. Ld.	Ditto ditto ...	11th „ „ .	8,00,000	

Number on this list.	Number borne by each Company in the General Register.	NAMES OF COMPANIES.	Object of each Company.	Date of registration.	Nominal capital.	REMARKS.
					Rs.	
44	643	Sonagiri Gold Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	16th Oct. 1890 ...	1,10,000	
45	644	Jaghmundi Gold Prospecting Syndicate, Ld.	Ditto ditto ..	17th " " ...	4,00,000	
46	645	Calcutta Gold Prospecting Syndicate, Ld.	Ditto ditto ...	31st " " ...	1,00,000	
47	646	Ambar Gold Prospecting Syndicate, Ld.	Ditto ditto ...	31st " " ...	50,000	
48	647	Moortee Tea Co., Ld. ...	To cultivate tea, &c.	3rd Nov. " ...	1,50,000	
49	648	Ambikanagore Gold Prospecting Syndicate, Ld, ...	To acquire lands for mining purposes and to prospect.	4th " " ...	7,07,000	
50	649	Bengal Trust and Loan Co., Ld. ...	Banking business	4th " " ...	20,00,000	
51	650	Excelsior Land and Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	5th " " ...	1,50,000	
52	651	" Peshwa " Floating Syndicate, Ld.	To float the wreck steamer " Peshwa "	6th " " ...	50,000	
53	652	Mining and Prospecting Co., Ld. ...	To acquire lands for mining purposes and to prospect.	7th " " ...	4,50,000	
54	653	Jutput Gold Mining Co., Ld. ...	Ditto ditto ...	7th " " ...	3,00,000	
55	654	Thompson's Carriage Co., Ld. ...	Conducting carriage service, Calcutta.	13th " " ...	5,000	
56	656	Oriental Ice Manufacturing Co., Ld.	Ice manufacturing	22nd " " ...	50,000	
57	657	Palgunj Gold Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	29th " " ...	50,000	
58	658	Mount Ophir Gold Prospecting Syndicate, Ld.	Ditto ditto ..	11th Dec. " ...	50,000	
59	659	" People " Printing and Publishing Co., Ld.	Printing and publishing ...	12th " " ...	50,000	
60	660	Bengal-Nagpore Coal Co., Ld. ...	Mining coal	18th " " ...	2,25,000	
61	661	Cargo Boat Co., Ld.	Landing and shipping business ...	23rd " " ...	50,000	
62	662	Cossye River Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	3rd Jan. 1891 ...	50,000	
63	663	Umballa Bank, Ld.	Banking business	13th " " ...	2,00,000	
64	664	Cossye River Gold Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	21st " " ...	1,00,000	
65	665	Sonepur Syndicate, Ld.	Ditto ditto ...	22nd " " ...	60,000	
66	666	Padros Hill Mining Co., Ld. ..	Ditto ditto ...	23rd " " ...	6,00,000	
67	666(a)	Juggetpore Syndicate, Ld.	Ditto ditto ...	24th " " ...	1,00,000	
68	667	Borobhoom Co , Ld.	Ditto ditto ...	28th " " ...	32,000	
69	668	Beru Prospecting Syndicate, Ld.	Ditto ditto ...	6th Feb. " ...	1,00,000	
70	569	Burma Prospecting Syndicate, Ld.	Ditto ditto ..	9th " " ...	50,009	
71	670	Borrea Coal Co., Ld.	Coal mining	10th " " ...	5,00,000	
72	671	O'Hanlon & Co., Ld.	Manufacture paint and other oleagenous substance.	11th " " ...	10,000	
73	672	Dhatu Prospecting and Mining Co., Ld.	To acquire lands for mining purposes and to prospect.	11th " " ...	1,00,000	
74	673	Sonepahar Gold Prospecting Syndicate, Ld.	Ditto ditto ...	24th " " ...	6,00,000	
75	674	Bengal Timber Trading Co., Ld. ..	Trading in timber	24th " " ...	1,00,000	
76	675	Belgachi Tea Co., Ld.	To cultivate tea, &c.	9th March " ...	1,50,000	
77	676	Pachete Trading Corporation Ld.	Mining purposes	10th " " ...	5,00,000	
78	676(a)	Pneumatic Husking (Schumacher's Patent) Syndicate, Ld.	Milling and preparing paddy ...	13th " " ...	40,000	
79	676(b)	Calcutta Hackney Carriage Co., Ld.	To conduct carriage service in Calcutta	13th " " ...	1,00,000	
80	677	Rajdoha Mining Co., Ld.	To acquire lands for mining purposes and to prospect.	21st " " ...	25,00,000	
81	678	Dhupguri Tea Co., Ld.	To cultivate tea &c.	23rd " " ...	1,30,000	
82	679	Manbhoom Coal Co., Ld.	Mining coal	26th " " ...	1,00,000	
83	680	Seraikela Mining Co., Ld. ...	Mining and prospecting	30th " " ...	5,00,000	
84	681	Motala Prospecting Syndicate, Ld.	To acquire lands for mining purposes and to prospect.	31st " " ...	2,00,000	
					3,70,57,000	

No. II.

Statement showing the Register numbers and names of Companies that have increased their capital during the year ending 31st March 1891.

Number on this list.	Register number borne by each Company.	Date of registration.	Amount of original capital.	NAMES OF COMPANIES.	Date of increase.	Amount of increased capital.	REMARKS.
			Rs.			Rs.	
1	373	27th September 1878 ...	5,00,000	Loobah Tea Co., Ld.	2nd May 1890 ...	2,00,000	
2	320	19th June 1875 ...	1,50,000	Burrakur Coal Co., Ld. ...	1st September 1890 ...	1,50,000	
3	618	8th August 1890 ...	1,00,000	Western Bengal Prospecting Syndicate Ld.	8th November " 12th February 1891	2,00,000 2,50,000	
4	221	7th April 1869 ...	1,69,75,000	Hongkong and Shanghai Banking Corporation.	14th November 1890 ...	56,25,000	
5	623	4th September 1890 ...	12,12,000	Sonapet Proprietary Gold Mining Co., Ld.	15th " " ...	5,12,000	
6	558	17th July 1888	1,60,000	New Glencoe Tea Co., Ld. ...	9th January 1891 ...	40,000	
7	466	19th February 1883 ...	1,50,000	Baintgooree Tea Co. (Dooars), Ld.	30th " " .	20,000	
8	592	8th February 1890 ...	3,24,000	Damuda Coal Co., Ld. ...	24th February " ...	76,000	
9	658	11th December 1890 ...	50,000	Mount Ophir Gold Prospecting Syndicate, Ld.	20th March " ...	1,00,000	
						71,73,000	

No. III.

Statement showing the Register numbers and names of Companies that have commenced winding up, have been finally dissolved, or are otherwise defunct, with their capital, date of registration, winding up or final dissolution, during the year ending 31st March 1891.

Number on this list.	Register number borne by each Company.	Names of Companies.	Nominal capital.	Date of registration.	Date of winding up.	Date of final dissolution.	Date on which written off defunct.	Remarks.
			Rs.					
1	433	Jinglam Tea Co., Ld. ...	1,60,000	22nd Mar. 1882	2nd May 1890	20th Jan. 1891	...	
2	449	Gobra Tannery Co., Ld.	1,50,000	9th Sept. „	2nd „ „	..	...	
3	67	Kanchunpore Tea Co., Ld.	5,00,000	13th Nov. 1861	3rd Aug. 1889	3rd May 1890	...	
4	249	Cocheela Tea Co., Ld. ...	3,00,000	17th Jan. 1873	9th May 1890	...	...	
5	272	Seebpore Jute Manufacturing Co., Ld.	10,00,000	1st Dec. „	28th Nov 1889	9th May 1890	...	
6	473	Agra Pressing Co., Ld. ...	1,55,000	30th June 1883	18th June 1890	...	...	
7	538	Raneegunge Cement and Lime Works, Ld. ...	3,00,000	30th June 1887	23rd July „	...	...	
8	552	Catholic Book Selling Co., Ld.	20,000	17th April 1888	26th „ „	...	...	
9	23	India General Steam Navigation Co., Ld.	80,00,000	25th Sept. 1858	14th Aug. „	..	...	
10	439	Alipore Coal Co., Ld. ...	3,00 000	3rd Mar. 1882	2nd Sept. „	16th Feb. 1891	...	
11	288	Howrah Mills Co., Ld. ...	17,50,000	14th July 1874	18th Sept. „	23rd „ „	...	
12	471	Jheel Press Co., Ld. ...	1,50,000	14th May 1883	5th April 1887	18th Sept. 1890	...	
13	391	Kanknarrah Lime Factory Co., Ld.	10,000	6th June 1879	19th Sept. 1890	...	...	
14	261	Fort Gloster Jute Manufacturing Co., Ld.	14,00,000	6th May 1873	24th „ „	...	...	
15	605	Bengal Gold Syndicate, Ld.	50,000	14th May 1890	1st Oct. 1890	...	...	
16	607	Manbhoom Gold Syndicate, Ld.	50,000	21st „ „	1st „ „	..	...	
17	608	Singbhoom Gold Reefs, Ld.	50,000	21st „ „	1st „ „	...	..	
18	616	Karo Gold Mining Co., Ld.	1,00,000	2nd Aug. „	3rd „ „	...	...	
19	140	Monacherra Tea Co., Ld.	8,00,000	30th Jan. 1864	31st „ „	...	...	
20	557	Behar Co-operative Stores Association, Ld.	1,00,000	15th June 1888	25th June 1889	14th Nov. 1890	...	
21	624	Ranchi Gold Prospecting Syndicate, Ld.	50,500	4th Sept. 1890	4th Dec. 1890	...	...	
22	503	Kerosine Oil Co., Ld. ...	10,000	9th Dec. 1884	15th Oct. 1889	11th Dec. 1890	...	
23	417	Chenga Tea Co., Ld. ...	1,50,000	27th July 1881	14th Dec. 1890	...	...	
24	426	W. Newman and Co., Ld.	3,50,000	11th Feb. 1882	7th Jan. 1891	...	...	
25	611	Chota Nagpore Gold and Mining Co., Ld. ...	2,00,000	20th June 1890	28th Feb. „	...		
26	541	Mofussil Supply Co., Ld.	10,000	4th Aug. 1887	...	...	3rd Mar. 1891	
27	539	East India Trade and Outfit Co., Ld.	...	16th July „	...	...	3rd „ „	Guaranteed.
28	636	Globe Gold Prospecting and Mining Syndicate, Ld.	80,000	4th Oct. 1890	5th Mar. 1891	...	...	

No. IV.

Statement showing the Register numbers and names of Companies that have reduced their capital during the year ending 31st March 1891.

Number on this list.	Register number borne by each Company.	Date of registration.	Amount of original capital.	Names of companies.	Date of reduction.	Amount of capital reduced.	Remarks.

Nil.

No. V.

Statement of fees realized under different sections of the Indian Companies Act VI of 1882 during the year ending 31st March 1891.

Names of Companies.	Section 18.	Section 28.	Section 36.	Section 40.		Section 43.	Section 48.	Section 57.		Section 64.		Section 74.	Section 79.	Section 220(e).		Section 173.	Section 187.	Act XXI of 1860.	Remarks.
				Memo.	Art.			Increase of capital.	Increase of members.	Situation of office.	Change of office.			Search.	Copy.				
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Dehra Doon Tea Co., Ld. ...	..	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	..	
Strand Bank Press Co, Ld.	...	...	...	...	...	...	5	...	..	...	...	5	....	...	...	...	...	...	
Bengal Telephone Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	..	...	...	..	...	
Hooloongooree Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Mim Tea Co., Ld.	..	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Jetinga Valley Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	..	...	...	
Tukvar Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	..	1	8	...	...	...	
New Mutual Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	

Names of Companies.	Section 18.	Section 28.	Section 36.	Section 40. Memo.	Section 40. Art.	Section 43.	Section 48.	Section 57. Increase of capital.	Section 57. Increase of members.	Section 64. Situation of office.	Section 64. Change of office.	Section 74.	Section 79.	Section 220(e). Search.	Section 220(e). Copy.	Section 173.	Section 187.	Act XXI of 1860.	Remarks.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Second Mutual Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Chota Nagpore Banking Association, Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
India Pressing Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Munjha Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Dessai and Parbuttcoah Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Needeem Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	
European and Anglo-Indian Family Benefit Fund	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Holta Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	5	
Arcuthpore Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Hongkong and Shanghai Banking Corporation	...	...	...	...	...	...	5	5	...	...	5	5	5	...	...	...	...	...	
Phœnix Tea Co. (of Cachar), Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
District Charitable Society	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...	...	5	
Pioneer Glass Manufacturing Co., Ld.	...	...	...	...	5	...	5	...	...	...	...	5	50	4	...	...	...	...	
Dehing Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Dehing Saw Mills Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Joonktollee Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Mothola Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Monacherra Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	10	...	...	5	...	...	
Chapaguri Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Rajmahal Stone Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Bankipore Loan Office, Ld.	...	...	...	...	...	...	5	...	...	5	...	...	...	...	1	...	...	...	
Jheelpress Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	5	...	
Jalpaiguri Tea Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	5	15	...	...	...	...	...	
Phoolbaree Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Killcott Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Singtom Tea Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Jinglam Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	5	5	...	...	...	5	5	...	
Bengal Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Budge-Budge Jute Mills Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	1	...	...	...	...	
Fort Gloster Jute Mills Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	10	1	...	5	...	...	
Tingree Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Reliance Marine Insurance Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Hoolmaree Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Rajshahye Dhanes Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	5	...	...	...	...	...	...	
Howrah Docking Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Calcutta Trades Association	...	...	...	...	5	...	...	...	...	...	...	10	5	...	...	...	...	...	
Baintbaree Tea Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Gurjung Jhora Tea Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	5	...	...	...	...	...	
Sapakati Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Durrung Tea Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	
Amluckie Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Bengal Spinning and Weaving Co., Ld.	...	...	...	575	5	...	...	...	...	5	...	...	85	...	...	...	...	...	
Loobah Tea Co., Ld.	...	...	...	...	...	...	5	100	...	...	...	...	...	...	...	...	...	...	
Burkhola Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kettola Tea Co., Ld	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
East India Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	5	...	...	...	...	...	
Bishnauth Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Lower Darjeeling Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kuttal Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	5	5	...	...	...	...	...	...	
Northern Bengal Tea Corporation, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	10	...	...	...	...	...	
Washabari Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	
Gobra Tannery Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
General Index	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	
Kisna Tea Co., Ld.	...	...	...	475	5	...	...	...	...	5	...	...	...	3	...	...	...	...	
Shakomoto Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Jalpiguri Banking and Trading Corporation, Ld.	...	...	...	...	...	...	5	...	...	...	...	...	5	...	...	...	...	...	
Barisal Loan Office, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Runglee Rungliot Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Calcutta Hospital Nurses Institution	...	...	...	...	...	...	...	...	...	...	...	...	...	1	0-4	...	...	5	
Cocheola Tea Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	
Deoghur Railway Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Cutlacherra Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Tundareah Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kursoong and Darjeeling Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Central Cachar Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kalinugger and Khoreal Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Chincoorie Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
New Cinnatolliah Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Nandakata Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Singeh Tea Co., Ld.		...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Mofussil Bone Crushing and Manure Co., Ld.	...	...	...	125	5	...	...	...	...	...	...	...	...	...	...	...	...	...	
Arrakan Petroleum Oil Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kunchunpore Tea Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	
Hindu Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	10	...	...	...	...	...	...	
Seebpore Jute Manufacturing Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	10	...	...	...	...	5	...	
Singlo Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Balasun Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Gulle Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Jaigoa Tea Co., Ld.	...	...	...	175	5	...	...	...	...	...	...	...	...	1	...	...	...	...	
Bargong Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	1	...	...	...	...	
Groh Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	
H. Dear and Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	2	6	...	...	...	
Narail Trading Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Chota Nagpore Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Khobong Tea Co., Ld	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Darjeeling Himalayan Railway Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	

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				Memo.	Art.			Increase of capital.	Increase of members.	Situation of office.	Change of office.			Search.	Copy.				
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Triton Insurance Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Gair Khata Tea Co., Ld. ...	...	5	...	155	5	...	...	...	...	...	...	...	...	...	...	...	...	...	
Burpukhuri Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Bengal Gold Syndicate, Ld.	...	...	...	100	5	...	...	...	...	5	...	5	5	2	...	5	...	...	
Calcutta Hydraulic Press Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Indian Patent Stone Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	1	...	...	...	...	
Tangra Tannery and Manure Co., Ld.	...	5	...	100	5	...	...	...	...	5	...	5	...	...	...	...	...	...	
Jaipur Tea Estates, Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Anjuman Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	10	...	...	...	...	...	
Agricultural Phosphates Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	1	...	...	...	...	
Manbhoom Gold Syndicate Co., Ld.	...	...	...	100	5	...	...	...	...	5	...	5	5	2	...	5	...	...	
Singbhoom Gold Reefs, Ld.	...	...	...	100	5	...	...	...	...	5	...	5	5	2	...	5	...	...	
Sheighur Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	1	...	...	...	...	
Eastern Cachar Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	
Jamalpore Co-operative Association, Ld.	...	...	...	40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Pashok Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Nashartoli Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Tarkessur Railway Co , Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Chinga Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Teesta Valley Tea Co., Ld. .	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Punkhabaree Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Furreedpore Loan Office, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Pingna Trading Co., Ld. ...	.	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Pabna Bank, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Tipperah Loan Office, Ld. ..	...	...	...	...	...	...	5	...	...	...	...	5	5	...	...	...	...	...	
Ghatail Sanmilani Dhan Bhandar Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Darjeeling Tea and Cinchona Association, Ld.	...	...	...	...	...	...	5	...	...	...		5	...	...	...	...	...	...	
Kurnafulie Association, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Mesai Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	1	1-8	...	...	...	
Indian Tea Supply Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	..	..	...	...	...	...	
Jherighat Native Tea Co., Ld.	...	...	...	40	5	...	10	...	...	5	...	5	...	...	...	...	...	...	
Bahadurpore Tea Co., Ld. ...	...	...	...	...	...	...	10	...	...	...	...	5	...	...	...	...	...	...	
Eurasian and Anglo-Indian Association	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	
Hotewar Tea Co., Ld. ...	..	...	...	...	...	...	5	...	...	...	..	5	...	...	...	...	...	...	
Catholic Bookselling Co., Ld.	...	...	...	...	...	...	5	...	...	5	...	5	...	...	...	5	...	...	
Bogra Loan Office, Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Chumta Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Second Fallodhi Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Assensole Railway Ice and Ærated Water-supply, Ld.	...	...	...	...	...	...	10	...	...	...	..	15	...	...	...	...	...	...	
Pringmarrah Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	..	...	...	
Kalacherra Tea Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kaliti Tea Co., Ld.§	...	...	...	...	...	...	5	...	...	...	..	5	5	2	...	...	...	..	
Agra Pressing Co., Ld. ...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	...	5	...	...	
New Agra Pressing Co., Ld.	...	5	...	110	5	...	...	...	...	5	...	...	5	...	...	...	...	...	
Ramkistopore Press Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Tangail Loan Office, Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	..	...	...	...	...	
Chota Nagpore Gold and Mining Co., Ld.	...	5	...	175	5	...	...	...	.	5	...	...	...	1	...	5	...	...	
Tyroon Tea Co., Ld.	...	5	...	125	5	...	...	...	...	5	...	...	20	...	...	...	...	...	
Digpait Milit Dhan Bhandar Co., Ld.	...	...	...	...	...	...	5	...	...	...	..	5	...	...	...	...	...	...	
Durreng Tea Co., Ld. ..	..	...	...	...	...	...	5	...	...	..	...	5	...	...	...	...	...	...	
Dacca Loan Office, Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Bengal Provincial Railway Co., Ld.	...	...	...	475	...	...	...	...	...	5	...	...	...	...	...	...	...	...	
Kissoregunge Loan Office, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kharsowan Gold Syndicate, Ld.	...	5	...	175	5	...	...	...	...	5	...	...	...	3	7-8	...	...	...	
Bowreah Cotton Mills Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	5	...	...	...	...	...	
Jessore Loan Office, Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	5	...	...	...	...	...	
Jessop and Co., Ld. ...	...	...	...	...	...	...	5	...	..	...	...	5	15	2	...	...	...	...	
Mymensing Loan Office, Ld.	...	...	...	...	...	...	5	...	...	...	..	5	...	...	...	...	...	...	
Kumai Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	
Saher Serpar Loan Office, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Singbulli and Murmah Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	..	5	10		...	...	...	...	
Co-operative Pharmacy Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
New Beerbhoom Coal Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...	1	...	...	...	...	
Lohagar Tea Co., Ld. ...	...	5	...	180	5	...	...	...	...	5	...	...	20	...	...	...	...	...	
Negadhooli Tea Co , Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
India General Steam Navigation Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	10	15	...	...	5	...	...	
Raneegunge Cement and Lime Works, Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	
Calcutta Flour Mills Co., Ld.	...	...	...	...	...	...	10	...	...	...	5	5	...	...	...	...	...	...	
Raneegunge Coal Association, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	..	...	...	...	...	
North-West Indigo Association, Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	
Indian Jute Manufacturing Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	
Calcutta Central Press Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Karo Gold Mining Co., Ld.	...	10	...	125	5	...	...	...	...	5	...	5	5	1	...	5	...	...	
Nasirabad Loan Office, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kankarrah Lime Factory Co , Ld.	...	...	...	...	...	...	5	...	...	...	..	5	...	...	...	5	...	...	
Western Bengal Prospecting Syndicate, Ld.	...	10	...	125	5	...	...	225	...	5	...	...	10	2	...	...	...	...	
Central Jute Mills Co., Ld.	...	...	..	425	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
India General Steam Navigation Co., Ld.	...	5	...	1,000	5	...	...	...	...	5	...	...	5	1	...	...	...	...	
Behar Co-operative Stores, Ld.	...	...	...	...	...	...	...	...	...	5	5	...	5	...	...	...	...	...	

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	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Hooghly Mills Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	10	...	...	...	...	...	...	
Indian Imperial Marine Insurance Co, Ld. ...	...	...	...	...	...	...	5	...	...	...	5	5	...	1	...	...	...	...	
Great Eastern Hotel Co., Ld.	...	...	...	...	5	...	5	...	...	...	...	5	10	...	...	...	...	...	
Chitpore Hydraulic Pressing Co., Ld.	...	...	...	...	...	...	10	...	...	...	...	10	...		...	...	...	...	
Kamarhatty Co., Ld. ...	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Nasmyth's Patent Press Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Kanknarrah Co., Ld. ...	...	...	...	...	...	...	10	...	...	...	...	10	...	...	...	...	...	...	
Burrakur Coal Co., Ld. ...	...	5	...	...	...	...	5	75	...	...	...	5	...	...	...	...	...	...	
Bengal Gold and Silver Mining Co., Ld.	...	5	...	595	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Bengal Coal Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Alipore Coal Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	5	5	...	
Patpat Gold Mining Co., Ld.	...	5	...	578	5	...	...	...	...	...	...	5	...	2	...	...	...	...	
Sonapet Proprietary Gold Mining Co., Ld. ...	...	15	...	597	5	...	5	52	...	5	...	...	...	2	...	...	...	...	
Ranchi Gold Prospecting Syndicate, Ld.	...	15	...	105	5	...	...	...	...	...	...	...	...	2	...	5	...	...	
Buxar Co-operative Society, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Mohes Chunder Land Reclamation and Agricultural Improvement Co., Ld. ...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	
Titaghur Paper Mills Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Empress of India Cotton Mills Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	10	...	...	...	...	...	...	
Howrah Mills Co, Ld. ...	...	5	...	738	5	...	5	...	...	5	...	5	5	1	...	...	...	...	
Ditto ditto (old)	...	...	...	...	...	...	...	...	...	...	...	...	10	...	...	5	5	...	
Cachar Native Joint Stock Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Lohardugga Gold Prospecting Syndicate, Ld. ...	...	5	...	105	5	...	...	...	...	...	...	...	...	1	...	...	...	...	
Fort Gloster Jute Manufacturing Co., Ld.	...	5	...	615	5	...	...	...	...	...	...	...	5	1	...	...	...	...	
Altadanga Tea Co., Ld. ...	...	...	...	60	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Moran Tea Co., Ld.	...	...		...	...	...	5	...	...	...	...	5	15	...	...	...	...	...	
Dumra Gold Prospecting Syndicate, Ld.	...	10	...	280	5	...	...	...	...	5	...	...	...	1	...	...	...	...	
Northern Bengal Railway Co-operative Supply Association, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Patkoom Indigo and Trading Co., Ld.	...	15	...	190	5	...	...	...	...	5	...	...	10	3	...	...	...	...	
Patkoom Prospecting Syndicate, Ld.	...	...	...	125	5	...	...	...	...	...	...	...	...	1	...	...	...	...	
Dhadka Mining Co., Ld. ...	...	5	...	575	5	...	...	...	...	5	5	...	5	2	...	...	...	...	
Nuddea Tea Co., Ld.	...	...		105	5	...	...	...	...	...	...	...	10	...	...	...	...	...	
Camperdown Pressing Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Sylhet Loan Co, Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Eastern Ranchi Gold Prospecting Syndicate, Ld. ..	...	5	...	175	5	...	...	...	...	...	...	...	...	1	...	...	...	...	
Bengal Tarpaulin Manufacturing Co., Ld. ...	...	...	...	100	5	...	...	...	...	...	...	...	...	...	...	...	...	...	
Globe Gold Prospecting and Mining Co., Ld.	...	...	...	115	5	...	...	...	...	5	...	...	...	1	...	5	...	...	
Canal Press Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Rammuvger Indigo Concern	...	5	...	145	5	...	...	...	...	5	...	...	15	1	...	...	...	...	
Soobunreeka Gold Prospecting Syndicate, Ld. ...	...	5	...	125	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Western Patkoom Gold Prospecting Syndicate, Ld.	...	...	...	597	5	...	...	...	...	...	...	...	...	1	...	...	...	...	
Central Chota Nagpore Syndicate, Ld.	...	5	...	125	5	...	...	...	...	...	...	...	...	1	...	...	...	...	
Reliance Gold Syndicate, Ld.	...	...	...	200	5	...	...	...	...	5	...	...	...	1	...	...	...	...	
Sonakhan Gold and Mining Co, Ld.	...	10	...	475	5	...	...	...	...	5	...	...	...	1	...	...	...	...	
Sonagiri Gold Prospecting Syndicate, Ld	...	...	...	130	5	...	...	...	...	5	...	...	...	2	...	...	...	...	
Baghmundi Gold Prospecting Syndicate, Ld. ...	...	10	...	275	5	...	...	...	...	5	...	...	...	3	1-4	...	...	...	
Calcutta Gold Prospecting Syndicate, Ld. ...	...	...	...	125	5	...	...	...	...	5	...	...	...	1		...	...	...	
Ambar Gold Prospecting Syndicate, Ld	...	5	...	100	5	...	...	...	...	5	...	...		1	...	...	...	...	
Chota Nagpore Carrying Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Moortee Tea Co., Ld. ..	...	...	...	150	5	...	...	...	...	5	...	...	...	1		...	...	...	
Ambikanagor Gold Prospecting Syndicate, Ld. ...	...	...	...	430	5	...	...	...	...	5	...	...	...	1	...	...	...	...	
Bengal Trust and Loan Co., Ld.	...	...	...	675	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Excelsior Land and Prospecting Syndicate, Ld.	...	...	...	150	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
"Peshwa" Floating Syndicate, Ld.	...	...	...	100	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Armenian Association, Calcutta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	
Mining and Prospecting Co., Ld.	...	...	...	300	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Jutput Gold Mining Co., Ld.	...	5	...	225	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Thompson's Carriage Co., Ld.	...	...	...	40	...	...	...	...	...	5	...	...	...	1	1-1	...	...	...	
Kayastha Trading Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Behar Co-operative Stores Association, Ld. ...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	5	...	
Oriental Ice Manufacturing Co., Ld.	...	...	...	100	...	...	...	...	...	5	...	...	...	...	...	...	...	...	
Darjeeling and Kurseong Hotel and Trading Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Palgunj Gold Prospecting Syndicate, Ld.	...	5	...	100	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
W. Newman and Co., Ld. ...	...	...	...	...	...	...	5	...	...	...	...	5	5	...	...	5	...	...	
Kerosine Oil Co., Ld. ...	...	...	...		...	...	...	...	...	...	...	...	...	1	...	...	5	...	
Calcutta Steam Navigation Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	

Names of Companies.	Section 18.	Section 28.	Section 36.	Section 40. Memo.	Section 40. Art.	Section 43.	Section 46.	Section 57. Increase of capital.	Section 57. Increase of members.	Section 64. Situation of office.	Section 64. Change of office.	Section 74.	Section 79.	Section 220(e). Search.	Section 220(e). Copy.	Section 173.	Section 157.	Act XXI of 1860.	Remarks.
	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Mount Ophir Gold Prospecting Syndicate, Ld.	...	5	...	100	5	...	...	50	...	5	...	...	...	...	...	...	...	...	
"People" Printing and Publishing Co., Ld.	...	...	...	100	5	...	...	...	...	...	...	...	...	...	...	...	...	...	
Bengal-Nagpore Coal Co., Ld.	...	...	...	190	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Cheng Tea Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	
Cargo Boat Co., Ld.	...	...	...	100	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Ringtong Tea Co., Ld.	...	...	...	...	...	...	5	20	...	...	5	5	...	...	...	...	...	...	
New Glencoe Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	5	5	...	...	...	...	...	...	
Cossye River Prospecting Syndicate, Ld.	...	...	...	100	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Sissi Saw Mills and Trading Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	
Umballa Bank, Ld.	...	...	...	175	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Cossye River Gold Prospecting Syndicate, Ld.	...	...	...	125	5	...	...	...	...	5	...	...	...	1	...	...	...	...	
Sonepur Syndicate, Ld.	...	5	...	105	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Padres Hill Mining Co., Ld.	...	5	...	375	5	...	...	...	...	...	...	...	...	...	...	...	...	...	
Juggetpore Syndicate, Ld.	...	...	...	125	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Kuregram Loan Office, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Ghoosery Cotton Mills Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Calcutta Landing and Shipping Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Ramgurh Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Arya Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Calcutta Cotton Mills Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Belgachi Tea Co., Ld.	...	...	...	150	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Bagracote Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Chulsa Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Zurantee Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Banitgoorni Tea Co. (Dooars), Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Good Hope Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Pachite Trading Corporation, Ld.	...	5	...	325	5	...	...	...	...	5	...	...	25	...	...	...	...	...	
Banockburn Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Soom Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Equitable Coal Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	5	...	...	...	...	...	
Hackney Carriage Co., Ld.	...	...	...	125	5	...	...	...	...	5	...	...	5	...	...	...	...	...	
Pneumatic Husking (Schumacher's Patent) Syndicate, Ld.	...	...	...	80	...	...	...	...	...	5	...	...	...	...	...	...	...	...	
Matelli Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Tezpore and Gogra Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Indian Terai Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Carew and Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Puttareal Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Gungaram Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Nagaisuree Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Manabaree Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Ellenbarie Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
North-Western Cachar Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Carron Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Hindoo Union Bank, Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Doveton College	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	
Borobhoom Co., Ld.	...	5	...	80	5	...	...	...	...	5	...	...	...	1	...	...	...	...	
Subtiguri Tea Co., Ld.	...	...	...	...	...	...	...	...	...	...	5	...	...	...	...	...	...	...	
Diocesan Board of Education	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	
Chulsa Tea Co., Ld.	...	...	...	...	...	...	...	10	...	...	...	...	5	...	...	...	...	...	
Banitgooree Tea Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Bera Prospecting Syndicate, Ld.	...	...	...	125	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Sylhet Cultivating Co., Ld.	...	...	...	...	...	...	15	...	...	...	...	15	...	...	...	...	...	...	
Riverside Press Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Khulna Loan Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Burma Prospecting Syndicate, Ld.	...	...	...	100	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Borrea Coal Co., Ld.	...	10	...	325	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
O'Hanlon and Co., Ld.	...	...	...	40	5	...	...	...	...	5	...	...	...	1	...	...	...	...	
Dhatu Prospecting and Mining Co., Ld.	...	...	...	125	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Watson's Patent Press Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Union Jute Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Bengal Silk Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Calcutta Cotton Mills Co., Ld.	...	...	...	...	...	...	...	45	...	...	...	...	...	1	...	...	...	...	
Damuda Coal Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Mohurgong Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Bengal Timber Trading Co., Ld.	...	5	...	125	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Sonepahar Gold Prospecting and Mining Co., Ld.	...	...	...	375	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Springside Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Jamalpore Ice Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Gourypore Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	10	...	...	...	...	...	...	
Mofussil Supply Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	
East India Trade and Outfit Co., Ld.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5	...	...	
Hope Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Rungamattee Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Sylhet Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Bengal Telephone Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Rajabaree Tea Co., Ld	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Rajdoha Mining Co., Ld.	...	...	...	200	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Dhupguri Tea Co., Ld.	...	...	...	140	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Manbhoom Coal Co., Ld.	...	...	...	125	5	...	...	...	...	5	...	...	...	...	...	...	...	...	
Seraikela Mining Co., Ld.	...	...	...	325	5	...	...	...	...	...	...	...	...	...	...	...	...	...	
Hoolmaree Tea Co., Ld.	...	...	...	...	...	...	5	...	...	...	...	5	...	...	...	...	...	...	
Metela Prospecting Syndicate Ld.	...	...	...	175	5	...	...	...	...	...	...	...	...	...	...	...	...	...	
	...	245	...	18,960	405	...	1,135	582	...	340	55	1,155	455	81	25-12	110	45	80	

Rs 23,673-12

No. VI.

Statement showing the numbers and names of existing Companies working in Bengal for the year ending 31st March 1891.

BANKING AND INSURANCE COMPANIES.

Serial number.	Number.	NAMES OF COMPANIES.	Date of registration.	Nominal capital.	Paid-up capital.	Date of last balance sheet filed.	REMARKS.
				Rs.	Rs.		
1	1	Hong-Kong and Shanghai Banking Corporation	7th April 1869	2,25,00,000	1,68,75,000	31st December 1890	
2	2	Furreedpore Loan Office, Ld.	13th June 1870	20,000	18,800	12th April ,,	
3	3	Tipperah Loan Office, Ld.	25th March 1871	1,00,000	88,720	12th ,, ,,	
4	4	Mymensing Loan Office, Ld.	23rd Sept. 1873	1,00,000	79,520	12th ,, ,,	
5	5	Barisal Loan Office, Ld.	17th Nov. ,,	20,000	18,000	12th March ,,	
6	6	Bogra Loan Office, Ld.	5th Nov. 1874	20,000	11,500	12th April ,,	
7	7	Nasirabad Loan Office, Ld.	26th Sept. 1875	50,000	27,500	13th ,, ,,	
8	8	Jessore Loan Co., Ld.	12th April 1876	1,20,000	1,00,000	31st March ,,	
9	9	Sahar Serpar Loan Office, Ld.	26th June 1876	20,000	15,170	12th April ,,	
10	10	Moonsheegunge Loan Office, Ld. ...	29th July ,,	20,000	12,010	14th December ,,	
11	11	Hindoo Union Bank, Ld.	26th Feb. 1880	20,000	1,530	31st ,, ,,	
12	12	Dacca Loan Office, Ld.	20th March ,,	2,00,000	1,30,060	12th April ,,	
13	13	Sylhet Loan Co., Ld.	13th August 1881	20,000	6,580	15th July ,,	
14	14	Chota Nagpore Banking Association, Ld.	21st Feb. 1883	20,000	15,760	31st December ,,	
15	15	Pabna Bank, Ld.	8th August ,,	20,000	15,000	12th April ,,	
16	16	Kisoregunge Loan Office, Ld.	19th Sept. ,,	50,000	32,370	12th ,, ,,	
17	17	Noakhally Loan Office, Ld.	2nd March 1885	20,000	...	...	
18	18	Tangail Loan Office, Ld.	12th Feb. 1887	50,000	20,000	12th April 1890	
19	19	Ghatail Sanmilani Dhan Bhandar Co., Ld.	27th July ,,	20,000	14,370	12th ,, ,,	
20	20	Kurigram Loan Office, Ld.	4th August ,,	10,000	10,000	12th January 1891	
21	21	Khulna Loan Co., Ld.	15th Sept. ,,	15,000	14,872	31st December 1890	
22	22	Digh Pait Milit Dhan Bhandar Co., Ld.	2nd May 1888	20,000	13,910	12th April ,,	
23	23	Julpiguri Banking and Trading Corporation, Ld.	23rd ,, 1889	1,00,000	...	...	
24	24	Bankipore Loan Office, Ld.	24th March 1890	80,000	...	...	
25	25	Bengal Trust and Loan Co., Ld. ...	4th Nov. ,,	20,00,000	...	...	
26	26	Umballa Bank, Ld.	13th January 1891	2,00,000	...	..	
27	27	Triton Insurance Co., Ld.	5th Sept. 1887	22,50,000	4,50,000	31st December 1889	
28	28	Reliance Marine Insurance Office, Ld. ...	9th Nov. ,,	20,00,000	51,000	31st ,, ,,	
29	29	Indian Imperial Marine Insurance Co., Ld.	3rd July 1889	30,00,000	3,75,000	30th June 1890	
				3,30,35,000	1,81,05,072		

TRADING COMPANIES.

Serial number.	Number.	NAMES OF COMPANIES.	Date of registration.	Nominal capital.	Paid-up capital.	Date of last balance sheet filed.	REMARKS.
30	1	Darjeeling-Himalayan Railway Co., Ld.	10th April 1879	17,50,000	17,50,000	31st Dec. 1889	
31	2	Dooehur Railway Co., Ld.	30th January 1882	2,75,000	2,75,000	31st ,, 1889	
32	3	Tarkessur Railway Co., Ld.	18th Feb. 1884	17,50,000	16,50,000	31st ,, 1889	
33	4	Bengal Provincial Railway Co., Ld. ...	23rd June 1890	8,00,000	...	..	
34	5	Rangoon Steam Tramway Co., Ld. ...	15th Feb. 1889	7,50,000	6,00,000	31st Dec. 1890	
35	6	Patna Tramway Co., Ld.	28th August ,,	2,00,000	...	..	
36	7	Assensol East Indian Railway Co-operative Society, Ld.	13th Feb. 1873	10,000	10,000	31st Dec. 1888	
37	8	Buxar Co-operative Society, Ld.	25th May ,,	4,000	4,000	31st ,, 1890	
38	9	Northern Bengal Railway Co-operative Supply Association, Ld.	30th ,, 1882	11,400	11,400	31st ,, ,,	
39	10	Assensol Railway Co-operative Ice and Ærated Water-supply, Ld.	30th Nov. 1887	16,000	16,000	31st ,, ,,	
40	11	Jamalpore Co-operative Association, Ld.	4th August 1890	8,000	...	...	
41	12	India General Steam Navigation Co., Ld.	14th ,, ,,	80,00,000	...	...	
42	13	Orissa Coasting Steam Navigation Co., Ld.	24th ,, 1882	4,00,000	2,81,975	31st July 1889	
43	14	Calcutta Steam Navigation Co., Ld. ...	8th Nov. ,,	8,40,000	8,40,000	31st Dec. 1890	
44	15	Calcutta Landing and Shipping Co., Ld.	7th August 1863	5,00,000	4,20,000	31st October ,	
45	16	R. Scott, Thomson & Co., Ld.	1st April ,,	5,00,000	4,67,000	31st March 1889	
46	17	Howrah Docking Co., Ld.	15th Sept. ,,	8,00,000	8,00,000	31st Dec. ,,	
47	18	Agricultural Phosphates Co., Ld. ...	18th Dec. 1873	1,00,000	85,000	31st ,, ,,	
48	19	Narail Trading Co., Ld.	20th March 1879	20,000	6,668	31st ,, ,,	
49	20	Pinga Trading Co., Ld.	7th Feb. 1881	1,00,000	50,000	12th April 1890	
50	21	Co-operative Pharmacy Co., Ld.	31st May 1882	50,000	29,350	30th June ,,	
51	22	"People" Printing and Publishing Co., Ld.	12th Dec. 1890	50,000	...	...	
52	23	Tangra Tannery and Manure Co., Ld. ...	16th May ,,	50,000	50,000	31st Dec. 1890	
53	24	Darjeeling and Kurseong Hotel and Trading Co., Ld.	2nd Feb. 1883	2,00,000	2,00,000	31st ,, 1889	
54	25	Great Eastern Hotel Wine and General Purveying Co., Ld.	4th ,, 1886	12,00,000	12,00,000	30th April 1890	
55	26	Indian Tea Supply Co., Ld.	8th Dec. 1887	3,00,000	1,00,060	31st March ,,	
56	27	H. Dear and Co., Ld.	15th June 1888	6,00,000	6,00,000	31st October 1889	
57	28	Behar Commercial Co., Ld.	29th Nov. ,,	20,000	...	...	
58	29	Chota Nagpore Carrying Co., Ld. ...	20th Feb. 1889	20,000	5,544	31st Dec. 1889	
59	30	Kayasta Trading Co., Ld.	5th March ,,	20,000	8,080	30th June 1890	
60	31	Bengal Timber Trading Co., Ld.	24th Feb. 1891	1,00,000	...	...	
61	32	Jessop & Co., Ld.	7th Nov. 1889	9,00,000	9,00,000	31st October 1890	
62	33	O'Hanlon & Co., Ld.	11th Feb. 1891	10,000	...	..	
63	34	Rajshahye Dhanes Co., Ld.	4th ,, 1890	20,000	555	2nd Feb. 1891	
64	35	Mofussil Bone Crushing and Manure Co., Ld.	30th April ,,	1,00,000	...	...	
65	36	Calcutta Skating and Amusement Club, Ld.	24th Feb. ,,	1,00,000	...	...	
				2,05,74,400	1,03,64,532		

MILLS AND PRESSES.

Serial number.	Number.	NAMES OF COMPANIES.	Date of registration.	Nominal capital.	Paid-up capital.	Date of last balance sheet filed.	REMARKS.
66	1	Goosery Cotton Mills Co., Ld.	9th Oct. 1863	15,00,000	15,00,000	31st Dec. 1889	
67	2	Bowreah Cotton Mills Co., Ld.	7th Aug. 1872	18,00,000	18,00,000	28th Feb. ,,	
68	3	Dunbar Cotton Mill, Ld.	18th Dec. 1874	14,00,000	9,29,950	31st Dec. ,,	
69	4	Empress of India Cotton Mills Co., Ld....	19th April 1877	8,75,000	8,75,000	31st ,, 1890	
70	5	Calcutta Cotton Mills Co., Ld.	5th Jan. 1889	5,00,000	4,92,050	31st ,, ,,	
71	6	Bengal Spinning and Weaving Co., Ld....	18th April 1890	10,00,000	...	...	
72	7	Budge-Budge Jute Mills Co., Ld. ...	21st April 1873	18,00,000	14,40,000	30th April 1889	
73	8	Central Jute Mills Co., Ld.	8th Aug. 1890	7,00,000	...	...	
74	9	Fort Gloster Jute Manufacturing Co., Ld.	24th Sept. 1890	14,00,003	...	...	

Serial number.	Number.	Names of Companies.	Date of registration.		Nominal capital.	Paid-up capital.	Date of last balance sheet filed.		Remarks.
					Rs.	Rs.			
75	10	Seebpore Jute Manufacturing Co., Ld. ...	28th Nov.	1880	10,00,000	10,00,000	31st Dec.	1890	
76	11	Howrah Mills Co., Ld.	18th Sept.	1890	26,25,000	26,25,000	31st ,,	,,	
77	12	Gourypore Co., Ld.	12th April	1876	12,00,000	12,00,000	31st ,,	,,	
78	13	Kamarhatty Co., Ld.	28th Sept.	1877	8,00,000	4,00,000	31st ,,	,,	
79	14	Union Jute Co., Ld.	5th Oct.	1880	12,00,000	9,00,000	31st ,,	,,	
80	15	Hooghly Mills Co., Ld.	21st Sept.	1882	13,50,000	10,50,000	31st ,,	,,	
81	16	Kanknarrah Co., Ld.	30th Dec.	,,	14,00,000	8,26,000	31st ,,	,,	
82	17	Bengal Silk Co., Ld.	20th June	1881	3,50,000	3,50,000	31st Oct.	,,	
83	18	Nasmyth's Patent Press Co., Ld. ...	16th Sept.	1867	4,00,000	4,00,000	30th June	,,	
84	19	Calcutta Hydraulic Press Co., Ld. ...	10th April	1873	1,70,000	1,70,000	31st Dec.	1889	
85	20	Watson's Patent Press Co., Ld.	25th Feb.	1874	3,00,000	3,00,000	31st ,,	1890	
86	21	Ramkistopore Press Co., Ld.	23rd April	,,	1,30,000	1,30,000	31st March	,,	
87	22	Riverside Press Co. (W. P.), Ld. ...	13th July	,,	3,00,000	2,99,800	31st Dec.	,,	
88	23	Strand Bank Press Co. (W. P.), Ld. ...	24th ,,	,,	2,50,000	2,50,000	31st Jan.	1891	
89	24	Chitpore Hydraulic Pressing Co., Ld. ...	17th March	1879	4,00,000	4,00,000	31st Dec.	1890	
90	25	Canal Press Co., Ld.	20th Sept.	1881	2,40,000	2,00,000	31st July	,,	
91	26	Camperdown Pressing Co., Ld.	25th July	1882	5,00,000	4,30,000	31st ,,	,,	
92	27	New Agra Pressing Co., Ld.	18th June	1890	70,000	...	...		
93	28	India Pressing Co., Ld.	13th Aug.	1883	1,50,000	1,50,000	31st Dec.	1890	
94	29	Titaghur Paper Mills Co., Ld.	28th July	1882	9,00,000	9,00,000	30th June	,,	
95	30	Bengal Paper Mills Co., Ld.	28th Jan.	1890	7,00,000	5,85,745	31st Dec.	,,	
96	31	Dehing Saw Mills Co., Ld.	23rd Feb.	1889	1,00,000	40,700	31st ,,	1889	
97	32	Sisi Saw Mills and Trading Co., Ld. ...	22nd Oct.	1889	2,00,000	...	...		
98	33	Calcutta Flour Mills Co., Ld.	18th Dec.	,,	1,50,000	1,25,000	31st Dec.	1890	
99	34	Calcutta Central Press Co., Ld.	21st April	1865	75,000	70,700	30th April	,,	
					2,59,35,000	1,08,30,945			

Planting Companies.

Serial number.	Number.	Names of Companies.	Date of registration.		Nominal capital.	Paid-up capital.	Date of last balance sheet filed.		Remarks.
100	1	Bengal Tea Co., Ld.	23rd Nov.	1859	10,00,000	9,48,520	31st Dec.	1890	
101	2	Balasun Tea Co., Ld.	21st Feb.	1860	2,00,000	2,00,000	31st ,,	1889	
102	3	East India Tea Co., Ld.	7th Aug.	1861	10,00,000	10,00,000	31st ,,	1890	
103	4	Sylhet Tea Co., Ld.	18th Dec.	,,	1,50,000	1,49,633	1st Jan.	1891	
104	5	Ramghur Co., Ld.	13th May	1862	10,00,000	4,25,000	31st Dec.	1890	
105	6	Soom Tea Co., Ld.	20th Nov.	,,	3,00,000	3,00,000	31st ,,	,,	
106	7	Punkabaric Tea Co., Ld.	9th March	1863	2,50,000	2,18,342	31st ,,	1889	
107	8	Dehra Doon Tea Co., Ld.	31st ,,	,,	20,00,000	8,78,000	31st ,,	1890	
108	9	Central Cachar Tea Co., Ld.	2nd May	,,	10,00,000	10,00,000	31st ,,	1889	
109	10	Bishnauth Tea Co., Ld.	6th ,,	,,	11,00,000	8,25,000	31st ,,	1890	
110	11	Eastern Cachar Tea Co., Ld.	17th July	,,	7,00,000	7,00,000	31st ,,	1889	
111	12	Kurseong and Darjeeling Tea Co., Ld. ...	12th Dec.	,,	8,00,000	6,54,300	31st ,,	,,	
112	13	Darrung Tea Co., Ld.	4th Jan.	1864	5,00,000	4,65,000	31st ,,	,,	
113	14	Tukvar Co., Ld.	20th Feb.	,,	12,00,000	7,34,300	31st ,,	1890	
114	15	Motan Tea Co., Ld.	20th July	,,	6,00,000	4,80,000	31st ,,	1889	
115	16	Durrabhur Co., Ld.	23rd April	1866	60,000	60,000	30th Nov.	1887	
116	17	Kuttal Tea Co., Ld.	24th Jan.	1867	1,00,000	1,00,000	31st Dec.	1889	
117	18	Chandypore Tea Co., Ld.	8th Aug.	,,	2,50,000	2,50,000	31st ,,	,,	
118	19	New Mutual Tea Co., Ld.	15th ,,	1868	1,20,000	1,17,750	31st ,,	1890	
119	20	Arcuttipore Tea Co., Ld.	19th Jan.	1869	3,00,000	3,00,000	31st ,,	1889	
120	21	Cutlacherra Co., Ld.	30th May	1871	2,70,000	2,50,000	31st ,,	1890	
121	22	Singell Tea Co., Ld.	15th Nov.	,,	6,25,000	6,25,000	31st ,,	1889	
122	23	Indian Terai Tea Co., Ld.	4th Dec.	,,	1,50,000	1,50,000	31st ,,	1890	
123	24	Hoolungooree Tea Co., Ld.	23rd March	1872	4,00,000	4,00,000	31st ,,	,,	
124	25	Central Terai Tea Co., Ld.	4th April	,,	4,00,000	4,00,000	31st ,,	1889	
125	26	Dessai and Parbutteah Tea Co., Ld. ...	15th July	,,	1,80,000	1,80,000	31st ,,	1890	
126	27	Holta Tea Co., Ld.	27th Feb.	1873	3,50,000	3,50,000	31st ,,	,,	
127	28	Kalacherra Tea Co., Ld.	23rd July	,,	2,75,000	2,75,000	31st ,,	1889	
128	29	Singbulli and Murmah Tea Co., Ld. ...	28th Nov.	,,	4,00,000	3,00,000	31st ,,	,,	
129	30	Puttareah Tea Co., Ld.	31st Dec.	,,	2,00,000	2,00,000	31st ,,	1890	
130	31	Springside Tea Co., Ld.	10th Jan.	1874	1,08,000	1,08,000	31st ,,	,,	
131	32	Mothola Co., Ld.	5th March	,,	1,50,000	1,38,000	31st ,,	,,	
132	33	Feendarrea Co., Ld.	28th July	,,	1,35,000	1,35,000	31st ,,	1889	
133	34	Joonktollee Tea Co., Ld.	7th Aug.	,,	80,000	80,000	31st ,,	1890	
134	35	Burkhola Tea Co., Ld.	1st Sept.	,,	2,70,000	2,70,000	31st ,,	,,	
135	36	Tingling Tea Co., Ld.	15th ,,	,,	1,50,000	1,50,000	31st ,,	1889	
136	37	Phœnix Tea Co. (of Cachar), Ld. ...	9th Oct.	,,	6,25,000	5,35,000	31st ,,	1890	
137	38	Chota Nagpore Tea Co., Ld.	27th Nov.	,,	2,50,000	2,50,000	31st ,,	1889	
138	39	Lackatoorah Tea Co., Ld.	5th Dec.	,,	2,25,000	2,25,000	31st ,,	1890	
139	40	Second Mutual Tea Co., Ld.	26th Feb.	1875	2,35,500	2,03,000	31st ,,	,,	
140	41	Mim Tea Co., Ld.	6th March	,,	1,60,000	1,59,000	31st ,,	,,	
141	42	Geille Tea Co., Ld.	20th ,,	,,	5,00,000	4,00,000	31st ,,	1889	
142	43	Hoolmaree Tea Co., Ld.	25th ,,	,,	1,20,000	1,20,000	31st ,,	1890	
143	44	Sapakati Tea Co., Ld.	1st May	,,	88,000	88,000	31st ,,	,,	
144	45	Rajabaric Tea Co., Ld.	5th ,,	,,	2,00,000	2,00,000	31st ,,	,,	
145	46	Grob Tea Co., Ld.	21st June	,,	6,00,000	5,00,000	31st ,,	1889	
146	47	North-Western Cachar Tea Co., Ld. ...	25th Jan.	1876	2,76,000	2,76,000	31st ,,	189-	
147	48	Runglee Rungliot Tea Co., Ld.	21st Feb.	,,	1,40,000	1,40,000	31st ,,	1889	
148	49	Amluckie Tea Co., Ld.	25th July	,,	4,46,500	4,45,700	31st ,,	1890	
149	50	Cachar Native Joint Stock Co., Ld. ...	31st Aug.	,,	1,00,000	53,675	31st ,,	1889	
150	51	Teesta Valley Tea Co., Ld.	20th Nov.	,,	3,50,000	3,20,000	31st ,,	,,	
151	52	Dehing Co., Ld.	5th Jan.	1877	10,00,000	9,00,000	31st ,,	1890	
152	53	Dhunsiri Tea Co., Ld.	23rd March	,,	1,60,000	1,60,000	31st ,,	1889	
153	54	Good Hope Tea Co., Ld.	2nd May	,,	1,15,000	1,00,010	31st ,,	1890	
154	55	Hotewar Tea Co., Ld.	16th July	,,	56,000	56,000	31st ,,	1889	
155	56	Singtom Tea Co., Ld.	10th Jan.	1878	1,60,000	1,60,000	31st ,,	1890	
156	57	Bahadurpore Tea Co., Ld.	19th March	,,	20,000	17,039	31st ,,	1889	
157	58	Hindoo Tea Co., Ld.	12th July	,,	35,000	24,500	31st ,,	,,	
158	59	Loobah Tea Co., Ld.	27th Sept.	,,	7,00,000	5,00,000	31st ,,	,,	
159	60	Longview Tea Co., Ld.	16th Jan.	1879	3,44,000	3,44,000	31st ,,	1890	
160	61	Darjeeling Tea and Cinchona Association, Ld.	16th ,,	,,	2,00,000	2,00,000	31st ,,	1889	
161	62	Kettela Tea Co., Ld.	25th March	,,	1,50,000	1,50,000	31st ,,	,,	
162	63	Munjha Tea Co., Ld.	10th April	,,	1,50,000	1,50,000	31st ,,	1890	
163	64	Jalpiguri Tea Co., Ld.	29th May	,,	50,000	50,000	31st ,,	,,	
164	65	Washabarie Tea Co., Ld.	8th Aug.	,,	1,50,000	1,50,000	31st ,,	1889	
165	66	Karnafuli Association, Ld.	5th Feb.	1880	3,60,000	3,00,000	31st ,,	,,	
166	67	Nahartoli Tea Co., Ld.	14th ,,	,,	1,60,000	1,40,500	31st ,,	,,	
167	68	Rington Tea Co., Ld.	7th Feb.	1881	3,00,000	2,00,000	31st ,,	1890	
168	69	Sungma Tea Co., Ld.	30th March	,,	1,30,000	1,17,000	31st ,,	,,	
169	70	Khobong Tea Co., Ld.	12th April	,,	3,25,000	3,25,000	31st ,,	1889	
170	71	Rungamattee Tea Co., Ld.	15th Feb.	1882	3,50,000	3,50,000	31st ,,	1890	
171	72	Lower Darjeeling Tea Co., Ld.	24th ,,	,,	1,10,000	1,10,000	31st ,,	,,	
172	73	Saint Baree Tea Co., Ld.	14th March	,,	1,60,000	1,60,000	31st ,,	,,	
173	74	Tingri Tea Co., Ld.	21st ,,	,,	5,25,000	5,00,000	31st ,,	,,	
174	75	Ellenbarie Tea Co., Ld.	25th April	,,	1,50,000	1,50,000	31st ,,	,,	

Serial number.	Number.	NAMES OF COMPANIES.	Date of registration.	Nominal capital.	Paid-up capital.	Date of last balance sheet filed.	REMARKS.
				Rs.	Rs.		
175	76	Mesai Tea Co., Ld.	5th July 1882	2,50,000	2,50,000	30th Nov. 1889	
176	77	Pashok Tea Co., Ld.	5th Sept. „	2,50,000	2,20,000	31st Dec. „	
177	78	Northern Bengal Tea Corporation, Ld.	28th „ „	1,00,000	85,400	31st „ 1890	
178	79	Gurjang Jhora Tea Co., Ld.	2nd Dec. „	50,000	50,000	31st „ „	
179	80	Phoolbaree Tea Co., Ld.	29th „ „	5,12,000	5,12,000	31st „ „	
180	81	Bagra Cote Tea Co., Ld.	17th Feb. 1883	4,00,000	4,00,000	31st „ „	
181	82	Baintgooree Tea Co. (Dooars), Ld.	19th „ „	1,70,000	1,50,000	31st „ „	
182	83	Needeem Tea Co., Ld.	1st March „	3,00,000	3,00,000	31st „ 1889	
183	84	Borpukhurie Tea Co., Ld.	11th July „	1,50,000	1,50,000	31st „ „	
184	85	Gyabaree Tea Co., Ld.	12th „ „	2,00,000	1,09,775	31st „ „	
185	86	Second Falodhi Tea Co., Ld.	12th „ „	2,00,000	2,00,000	31st „ „	
186	87	Mohurgong Tea Co., Ld.	9th Aug. „	1,60,000	1,60,000	31st „ 1890	
187	88	Bargong Tea Co., Ld.	28th Nov. „	1,50,000	1,45,500	31st „ 1889	
188	89	Matelli Tea Co., Ld.	27th March 1884	2,00,000	2,00,000	31st „ 1890	
189	90	Kaliti Tea Co., Ld.	28th May „	80,000	80,000	31st „ 1889	
190	91	Selim Tea Co., Ld.	18th July „	15,00,000	9,50,500	31st „ „	
191	92	Tezpore and Gogra Tea Co., Ld.	19th „ „	6,50,000	5,98,800	31st „ 1890	
192	93	Iringmarrah Tea Co., Ld.	14th Aug. „	1,60,000	1,60,000	31st „ 1889	
193	94	Manabarrie Tea Co., Ld.	3rd Jan. 1885	2,00,000	2,00,000	31st „ 1890	
194	95	Nagadhoolie Tea Co., Ld.	10th Feb. „	1,76,000	1,76,000	31st „ 1889	
195	96	Hopetown Tea Co., Ld.	23rd „ „	1,00,000	1,00,000	31st „ „	
196	97	Hope Tea Co., Ld.	21st March „	3,60,000	3,60,000	31st „ 1890	
197	98	Arya Tea Co., Ld.	16th May „	36,575	31,586	31st „ „	
198	99	New Cinnatolliah Tea Co., Ld.	26th „ „	10,000	10,000	31st „ 1889	
199	100	Mandakata Tea Co., Ld.	22nd Dec. „	2,00,000	2,00,000	31st „ „	
200	101	Chincoorie Tea Co., Ld.	22nd „ „	2,00,000	2,00,000	31st „ „	
201	102	Killcott Tea Co., Ld.	29th „ „	2,00,000	2,00,000	31st „ 1890	
202	103	Chulsa Tea Co. (Dooars), Ld.	5th Jan. 1886	4,00,000	4,00,000	31st „ „	
203	104	Zurantee Tea Co. (Dooars), Ld.	5th „ „	1,60,000	1,60,000	31st „ „	
204	105	Kallinugger and Khoreel Tea Co., Ld.	16th „ „	3,00,000	3,00,000	31st „ 1889	
205	106	Bannockburn Tea Co., Ld.	20th Feb. „	2,00,000	2,00,000	31st „ 1890	
206	107	Jaipur Tea Estates, Ld.	18th March „	2,00,000	2,00,000	31st „ 1889	
207	108	Shakomato Tea Co., Ld.	26th June „	2,50,000	2,50,000	31st „ „	
208	109	Singlo Tea Co., Ld.	8th July „	12,00,000	12,00,000	31st „ 1890	
209	110	Chapaguri Tea Co., Ld.	12th „ „	1,50,000	1,50,000	31st „ „	
210	111	Chalouni Tea Co., Ld.	29th „ „	2,00,000	2,00,000	31st „ „	
211	112	Jetinga Valley Tea Co., Ld.	25th Feb. 1888	3,00,000	3,00,000	31st „ „	
212	113	Okayti Tea Co., Ld.	5th June „	2,00,000	59,600	31st „ 1889	
213	114	New Glencoe Tea Co., Ld.	17th July „	2,00,000	2,00,000	31st „ 1890	
214	115	Carron Tea Co., Ld.	2nd Aug. „	1,50,000	97,500	31st „ „	
215	116	Nagaisuree Tea Co., Ld.	23rd „ „	2,40,000	2,40,000	31st „ „	
216	117	Gungaram Tea Co., Ld.	27th Sept. „	1,00,000	98,500	31st „ „	
217	118	Kumai Tea Co., Ld.	7th Nov. „	2,00,000	80,000	31st „ 1889	
218	119	Haldibaree Tea Association, Ld.	27th March 1889	3,00,000	...	...	
219	120	Sath Bhaia Tea Co., Ld.	27th „ „	1,00,000	...	...	
220	121	New Chumta Tea Co., Ld.	24th June „	1,00,000	1,00,000	31st Dec. 1809	
221	122	Hantapara Tea Co., Ld.	6th Aug. „	2,00,000	...	...	
222	123	Anjuman Tea Co., Ld.	15th „ „	1,50,000	59,995	31st Dec. 1890	
223	124	Chengmari Tea Co., Ld.	25th Sept. „	5,00,000	...	...	
224	125	Nigali Tea Co., Ld.	25th Feb. 1890	1,00,000	...	...	
225	126	Kumlai Tea Association, Ld.	21st March „	1,60,000	...	...	
226	127	Kisna Tea Co., Ld.	3rd April „	8,00,000	...	...	
227	128	Jaigon Tea Co., Ld.	3rd May „	2,00,000	...	...	
228	129	Ghairkhata Tea Co., Ld.	14th „ „	1,60,000	...	...	
229	130	Jhirighat Native Tea Co., Ld.	9th June „	20,000	...	...	
230	131	Kyroon Tea Co., Ld.	21st „ „	1,00,000	...	...	
231	132	Lohagur Tea Co., Ld.	10th July „	2,10,000	...	...	
232	133	Altadanga Tea Co., Ld.	25th Sept. „	30,000	...	...	
233	134	Nuddea Tea Co., Ld.	30th „ „	60,000	...	...	
234	135	Moortee Tea Co., Ld.	3rd Nov. „	1,50,000	...	...	
235	136	Belgachi Tea Co., Ld.	9th Mar. 1891	1,50,000	...	...	
236	137	Dhupguri Tea Co., Ld.	23rd March „	1,30,000	...	...	
237	138	Sylhet Cultivating Co., Ld.	29th June 1875	20,000	17,275	12th April 1890	
238	139	Patkoom Indigo and Trading Co., Ld.	30th Sept. 1890	2,25,000	...	...	
239	140	Ramnugger Indigo Concern, Ld.	6th Oct. „	1,40,000	...	...	
				4,24,28,575	3,37,09,290		

MINING COMPANIES.

Serial number.	Number.	NAMES OF COMPANIES.	Date of registration.	Nominal capital.	Paid-up capital.	Date of last balance sheet filed.	REMARKS.
240	1	Bengal Coal Co., Ld.	24th July 1858	24,00,000	24,00,000	31st Oct. 1889	
241	2	Equitable Coal Co., Ld.	1st Aug. 1863	8,00,000	8,00,000	31st Dec. 1890	
242	3	Raneegunge Coal Association, Ld.	8th April 1873	9,00,000	8,25,000	31st March „	
243	4	New Beerbhoom Coal Co., Ld.	16th May „	7,20,000	7,20,000	30th Oct. „	
244	5	Burrakur Coal Co., Ld.	19th June 1875	3,00,000	1,50,000	31st May „	
245	6	Sherghur Co., Ld.	14th Dec. 1886	10,000	10,000	31st Dec. 1889	
246	7	Damuda Coal Co., Ld.	8th Feb. 1890	4,00,000	3,24,000	31st „ 1890	
247	8	Bengal-Nagpore Coal Co., Ld.	18th Dec. „	2,25,000	...	...	
248	9	Borrea Coal Co., Ld.	10th Feb. 1891	5,00,000	...	...	
249	10	Manbhoom Coal Co., Ld.	26th March „	1,00,000	...	...	
250	11	Rajmahal Stone Co., Ld.	30th June 1876	2,50,000	2,50,000	31st Dec. 1889	
251	12	Bengal Stone Co., Ld.	15th Feb. 1879	80,000	80,000	31st „ „	
252	13	Indian Patent Stone Co., Ld.	20th March 1890	57,000	27,000	28th Feb. 1890	
253	14	Arakan Petroleum Oil Co., Ld.	14th July 1883	4,00,000	3,56,830	31st Dec. 1889	
254	15	Kharsowan Gold Syndicate, Ld.	27th June 1890	2,00,000	...	...	
255	16	Western Bengal Prospecting Syndicate, Ld.	8th Aug. „	5,50,000	...	...	
256	17	Bengal Gold and Silver Mining Co., Ld.	30th „ „	12,00,000	...	...	
257	18	Patpat Gold Mining Co., Ld.	4th Sept. „	10,30,000	...	...	
258	19	Sonapet Proprietary Gold Mining Co., Ld.	4th „ „	17,24,000	12,11,600	31st Dec. 1890	
259	20	Lohardugga Gold Prospecting Syndicate, Ld.	23rd „ „	51,500	...	...	
260	21	Dumra Gold Prospecting Syndicate, Ld.	27th „ „	4,04,000	...	...	
261	22	Patkoom Prospecting Syndicate, Ld.	30th „ „	1,00,000	...	...	
262	23	Dhadka Mining Co., Ld.	30th „ „	10,00,000	...	...	
263	24	Eastern Ranchi Gold Prospecting Syndicate, Ld	3rd Oct. „	2,00,000	...	...	
264	25	Soobunrecka Gold Prospecting Syndicate, Ld.	6th „ „	1,00,000	...	...	
265	26	Western Patkoom Gold Prospecting Syndicate, Ld.	8th „ „	12,12,000	...	...	
266	27	Central Chota Nagpore Syndicate, Ld,	10th „ „	1,00,000	...	...	
267	28	Reliance Gold Syndicate, Ld.	11th „ „	2,50,000	...	...	
268	29	Sona Khan Gold and Mining Co., Ld.	11th „ „	8,00,000	...	...	
269	30	Sonagiri Gold Prospecting Syndicate, Ld.	16th „ „	1,10,000	...	...	
270	31	Baghmundi Gold Prospecting Syndicate, Ld.	17th „ „	4,00,000	...	...	
271	32	Calcutta Gold Prospecting Syndicate, Ld.	31st „ „	1,00,000	...	...	

Serial number.	Number.	Names of Companies.	Date of registration.		Nominal capital.	Paid-up capital.	Date of last balance sheet filled.	Remarks.
					Rs.	Rs.		
272	33	Ambar Gold Prospecting Syndicate, Ld.	31st Oct.	1890	50,000	...	...	
273	34	Ambikanagore Gold Prospecting Syndicate, Ld.	4th Nov.	,,	7,07,000	...	...	
274	35	Excelsior Land and Prospecting Syndicate, Ld.	5th ,,	,,	1,50,000	...	...	
275	36	Mining and Prospecting Co., Ld. ...	7th ,,	,,	4,50,000	...	...	
276	37	Jutput Gold Mining Co., Ld.	7th ,,	,,	3,00,000	...	...	
277	38	Palgunj Gold Prospecting Syndicate, Ld.	29th ,,	,,	50,000	...	...	
278	39	Mount Ophir Gold Prospecting Syndicate, Ld.	11th Dec.	,,	1,50,000	...	...	
279	40	Cossye River Prospecting Syndicate, Ld.	3rd Jan.	1891	50,000	...	...	
280	41	Cossye River Gold Prospecting Syndicate, Ld.	21st ,,	,,	1,00,000	...	...	
281	42	Sonepore Syndicate, Ld.	22nd ,,	,,	60,000	...	...	
282	43	Padres Hill Mining Co., Ld.	23rd ,,	,,	6,00,000	...	...	
283	44	Juggetpore Syndicate, Ld.	24th ,,	,,	1,00,000	...	...	
284	45	Borobhoom Co., Ld.	28th ,,	,,	32,000	...	...	
285	46	Beru Prospecting Syndicate, Ld. ...	6th Feb.	,,	1,00,000	...	...	
286	47	Burma Prospecting Syndicate, Ld. ...	9th ,,	,,	50,000	...	...	
287	48	Dhatu Prospecting and Mining Co., Ld.	11th ,,	,,	1,00,000	...	..	
288	49	Sonepahar Gold Prospecting Syndicate, Ld.	24th ,,	,,	6,00,000	...	...	
289	50	Pacheto Trading Corporation, Ld. ...	10th March	,,	5,00,000	...	...	
290	51	Rajdoha Mining Co., Ld.	21st ,,	,,	25,00,000	...	...	
291	52	Seraikela Mining Co., Ld.	30th ,,	,,	5,00,000	...	...	
292	53	Metala Prospecting Syndicate, Ld. ...	31st ,,	,,	2,00,000	...	...	
					2,40,22,500	71,94,430	...	

ICE MANUFACTURING COMPANIES.

Serial number.	Number.	Names of Companies.	Date of registration.		Nominal capital.	Paid-up capital.	Date of last balance sheet filled.		Remarks.
293	1	Bengal Ice Manufacturing Co., Ld. ...	9th July	1878	5,00,000	4,95,000	31st Dec.	1890	
294	2	Jamalpore Ice Manufacturing Co., Ld....	28th May	1879	[10,000]	7,120	31st ,,	,,	
295	3	Crystal Ice Supply Co., Ld.	14th Aug.	1883	2,00,000	2,00,000	31st ,,	,,	
296	4	Oriental Ice Manufacturing Co., Ld. ...	22nd Nov.	1890	50,000	...	...		
					7,60,000	7,02,120			

SUGAR MANUFACTURING COMPANY.

Serial number.	Number.	Names of Companies.	Date of registration.		Nominal capital.	Paid-up capital.	Date of last balance sheet filled.		Remarks.
297	1	Carew and Co., Ld.	11th June	1875	16,00,000	16,00,000	31st Dec.	1890	
					16,00,000	16,00,000			

OTHER COMPANIES.

Serial number.	Number.	Names of Companies.	Date of registration.		Nominal capital.	Paid-up capital.	Date of last balance sheet filled.		Remarks.
298	1	Bengal Telephone Co., Ld.	14th March	1883	10,00,000	8,80,000	31st Dec.	1890	
299	2	Gayana Boat Co., Ld.	1st July	1885	20,000	...	...		
300	3	Bengal Science and Art Union, Ld. ...	5th Aug.	1887	1,50,000	6,140	30th April	1880	
301	4	Mohes Chunder Land Reclamation and Agricultural Improvement Co., Ld. ...	3rd Dec.	1889	2,50,000	2,50,000	31st Dec.	1890	
302	5	Pioneer Glass Manufacturing Co., Ld. ...	22nd Feb.	1890	1,50,000	74,000	30th Nov.	,,	
303	6	Bengal Tarpaulin Manufacturing Co., Ld.	3rd Oct.	,,	[50,000]	...	...		
304	7	"Peshwa" Floating Syndicate, Ld. ...	6th Nov.	,,	50,000	...	...		
305	8	Thompson's Carriage Co., Ld.	13th ,,	,,	5,000	...	...		
306	9	Cargo Boat Co., Ld.	23rd Dec.	,,	50,000	...	...		
307	10	Pneumatic Husking (Schumacher's Patent) Syndicate, Ld.	13th March	1891	40,000	...	...		
308	11	Calcutta Hackney Carriage Co., Ld. ...	13th ,,	,,	1,00,000	...	...		
309	12	European and Anglo-Indian Defence Association	20th Dec.	1889	...	...	...		Section 26.
					18,65,000	12,10,140			

Nature of Companies.		Number.	Nominal capital.	Paid-up capital.
			Rs.	Rs.
I.—Banking and Insurance Companies	...	29	3,30,35,000	1,84,05,672
II.—Trading Companies	...	36	2,05,74,400	1,03,64,532
III.—Mills and Presses	...	34	2,59,35,000	1,98,39,945
IV.—Planting Companies	...	140	4,24,28,575	3,37,09,290
V.—Mining Companies	...	53	2,40,22,500	71,94,430
VI.—Ice Manufacturing Companies ...	...	4	7,60,000	7,02,120
VII.—Sugar Manufacturing Companies	...	1	16,00,000	16,00,000
VIII.—Other Companies	...	12	18,65,000	12,10,140
Total	...	[309]	15,02,20,475	9,30,26,129

The 4th May 1891.

P. C. GHOSHA,

Registrar of Companies.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 27th June, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.	*Western Districts.*		
1 (Burdwan Divn.)	Burdwan June 27, '91	Nil	Weather—unseasonably sultry. Rain very much wanted. *Aman* paddy is being sown. Germination retarded for want of moisture. If rain does not fall next week affairs will get serious. Prices of common rice:— Burdwan ... 17½ Srs.; Culna ... 16; Cutwa ... 16½; Raneegunge ... 17 per rupee.
2	Bankoora „ 27, '91	0·01	Weather—hot and cloudy; most oppressive. Rain badly wanted for rice seedlings. Sugarcane and cotton doing well. No change in prices.
3	Birbhum „ 27, '91 Rampore Haut ...	0·01 0·25	Weather—very warm; windy in the afternoon. Sugarcane and paddy seedlings doing well, but rain wanted. Flights of locusts in different places, but no appreciable injury done to crops. Prices of rice from 16½ to 21 seers per rupee.
4	Midnapur „ 27, '91	Nil	Weather—extremely hot. Rain urgently required everywhere. Paddy seedlings dying for want of it. Prices of common rice:— Sudder ... 18 Srs.; Contai ... 18; Tamluk ... 16; Ghatal ... 17 per rupee.
5	Hooghly „ 27, '91	Nil	Weather—very hot; more cloudy than last week. *Aus* and jute crops in danger from drought. *Aman* cultivation at a standstill and seedlings withering. Prices of common rice:— Sudder ... 14 Srs.; Serampore ... 15½; Jehanabad ... 17 per rupee.
6	Howrah „ 27, '91	Nil	Weather—very hot. Jute and paddy plants suffering for want of rain. Price of common rice 14½ to 15 seers per rupee.
	Central Districts.		
7 (Presidency Divn.)	24-Perghs. June 30, '91	Nil	Weather—seasonable. Up to Saturday there was no rain, and all reports show that the seedlings of paddy and also the *aus*, jute and sugarcane crops are suffering. The rain of the last three days has done much good. Common rice sells at from 14½ to 16 seers per rupee.
8	Nuddea „ 27, '91 Kushtea ... Meherpur ... Chuadanga ...	Nil 0·5 1·15 0·32	Weather—very hot. *Aus* paddy suffering for want of rain. Harvesting of *aus* on chur lands in the Kushtea subdivision has commenced.
9	Khoolna „ 27, '91	Nil	Weather—intensely hot; occasionally cloudy during the last two days. The total cessation of rain for the last fortnight has caused considerable anxiety, and agricultural work has been retarded. Prospects uncertain.
10	Jessore „ 27, '91 Magurah ... Narail ...	Nil 0·28 0·37	Weather—hot and cloudy. A fall of rain to-day (27th) which will be very beneficial. It is wanted everywhere. Prospects favourable. Prices stationary.
11	Murshedabad „ 29, '91	0·16	Weather—hot and cloudy. *Bhadoi* and jute plants thriving. Rain much wanted.
12 (Rajshahye Divn.)	Dinagepur „ 27, '91	0·97	Weather—hot and cloudy. Rain wanted for the cultivation of *haimanti* paddy. Price of rice 15 seers per rupee.
13	Rajshahye „ 27, '91 Nattore ... Nowgong ...	1·18 1·94 0·30	Weather—extremely hot. Jute, *aus*, and *aman* all flourishing, but more rain wanted. *Til* is still being harvested.
14	Rungpur „ 27, '91 Nilphamari ... Gaibanda ... Kurigram ...	7·31 0·14 3·42 3·39	The rains have broken with the usual monsoon weather. Prospects everywhere excellent.
15	Bogra „ 27, '91 Nowkhilla ...	0·97 1·76	Weather—very hot and damp. All crops thriving well. Common rice selling at 17 seers per rupee.
16	Pubna „ 27, '91	0·08	Weather—sultry. Jute and paddy doing well, but some rain wanted. Common rice selling at from 13 seers 5 chittacks to 14 seers 8 chittacks per rupee. Fodder sufficient.
17	Darjeeling „ 27, '91	1·48	Weather—fair. *Bhadoi* and jute doing well. Lands being prepared for *haimanti* paddy.
18	Julpigoree „ 27, '91	4·24	Weather—very hot and sultry; cloudy at intervals. Weeding going on rapidly. Prospects of jute and *bhadoi* much improved. Transplantation of *haimanti* paddy going on slowly. More rain wanted. Common rice sells at 15 seers per rupee.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*			
	Eastern Districts.		
DACCA DIVN.			
19	Dacca June 27, '91	Nil	Weather—excessive heat. *Aus* paddy and jute thriving. Prospects of crops on the whole fair. Cheapest rice sold at from 14 to 16 seers per rupee.
20	Furreedpur „ 27, '91	0·25	Weather—very hot. Growing crops promising. Rice selling at 15, 15, and 16 seers per rupee at Sudder, Goalundo, and Madaripore respectively.
21	Backergunge „ 27, '91	Nil	Weather—very hot, but rains seem to be setting in to-day (27th). Crops suffering for want of rain. Common rice selling at from 13 to 18 seers per rupee.
22	Mymensingh „ 27, '91	1·92	Weather—unbearably hot. Harvesting of *aus* has just commenced in some places. Prospects of *aus* and jute generally not good. Common rice sells at 13 seers per rupee.
CHITTAGONG DIVN.			
23	Chittagong „ 27, '91	Nil	Weather—sultry during first part of week, but since seasonable. *Aus* crop has suffered a little, and ploughing is impeded owing to want of rain. Prices stationary.
24	Noakholly „ 27, '91	0·35	Weather—very hot and oppressive: unsettled to-day (27th). *Aman* sowings still going on. Crop slightly damaged for want of rain. Price of rice 17 seers in Feuny and 17½ in Sudder.
25	Tipperah „ 27, '91	1·75	Weather—seasonable; hot with occasional storms of wind and rain. *Aus* being reaped. Rice and jute doing well. Weather favourable for agricultural operations. Prices stationary.
26	Chittagong Hill Tracts. „ 25, '91	0·4	Weather—excessively hot throughout the week. Rain badly wanted. *Jum* paddy and cotton plants suffering from drought. Ploughing in low lands nearly stopped owing to want of rain. Common rice being sold at 14½ seers per rupee.
BEHAR.			
PATNA DIVN.			
27	Patna „ 27, '91	Nil	Weather—clear, but cloudy at times; oppressively hot. Lands being prepared for *bhadoi* and paddy sowings. In places sowings in progress. Rain badly wanted all over the district. Locusts at Mokameh, Bukhtiarpur, and Futwah, but no damage. Prices showing a tendency to rise.
28	Gya „ 27, '91	1·02	Weather—hot. Sugarcane injured by excessive heat and also by locusts to some extent. Prices stationary.
29	Shahabad „ 27, '91	Nil	Weather—very hot and stifling; east winds. Sugarcane doing well. Rain badly wanted for paddy and *bhadoi* sowings, and should it be much further delayed, the consequences will be serious. The west winds that prevailed up to the beginning of the week have dried up all moisture left by showers which fell in early June. Prices stationary.
30	Durbhanga „ 27, '91	0·06	Weather—very hot; occasionally cloudy and threatening. *Bhadoi* sowings still being pushed on. Rain now wanted for transplanting *marua* and paddy. Indigo doing well. Prices remain unchanged.
31	Mozufferpur „ 27, '91 Sitamarhi ...	Nil 7·19	Weather—hot and damp. Except in Sitamarhi subdivision, rain is wanted for crops recently sown. Locusts appeared in Belsand thana, but passed away.
32	Sarun ...	...	Report not received.
33	Chumparun „ 27, '91	0·96	Weather—cloudy and rainy. Rainfall of the week has facilitated transplantation of paddy. *Bhadoi* sowings progressing. Indigo continues to be cut. Prices stationary.
BHAGULPUR DIVN.			
34	Monghyr „ 27, '91	0·03	Weather—very hot and sultry; cloudy in the latter part of the week. Rain urgently required throughout the district for paddy seedlings and *makai*, which will suffer much from a continuance of the drought. Repeated flights of locusts have visited many parts of the district, and are reported to have done great damage to indigo and *makai* in parts of the Beguserai subdivision and also at Lukhiserai in the Sudder.
35	Bhagulpur „ 27, '91 Mudhepura ... Soopole ...	Nil 0·21 0·16	Weather—cooler lately with east winds. Rain now much wanted, especially in Banka, for completion of *bhadoi* sowings and growing crops. Locusts passed from south-east to north-west and did most damage in Sudder subdivision, especially on the dearas. About 4 annas of *makai* injured, but with early rain this will shoot again. *Marua* and rice not much touched. Damage to indigo heaviest.
36	Purneah „ 27, '91 Kishengunge ... Arrareah ...	0·05 0·83 1·76	Weather—hot. Rain threatening, but clouds not very heavy. In Arrareah the *bhadoi* rice sown is 16 annas of the usual area. At present it promises a full outturn. No crops except indigo seem to have been much damaged by locusts. Rain wanted. Jute crop in Kishengunge estimated to be sown on 12 annas of the usual area. Heavy rain retarded its growth, and the outturn is likely to be below the average.
37	Maldah „ 27, '91 Shibgunge ...	Nil 0·36	Weather—hot and oppressive. No sign of rain. All standing crops beginning to suffer for want of rain. Locusts passed over the district, doing but little damage to *kheri* and *bhadoi* crops in thanas Nawabgunge, Kaliachak, and Gazole. Price of common rice stationary.
38	Sonthal Perghs. „ 27, 91	0·57	Weather—very hot and oppressive. Ploughing and sowing in most parts of the district at a standstill for want of rain. Young *janera* and paddy seedlings reported to be dying. From 2 to 4 annas of what was sown is dead; fortunately not much was sown. It has been cloudy since yesterday (26th), and a shower in the course of the night may be expected.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
Orissa Divn. 39	Cuttack	June 27, '91	Nil	Weather—very hot. Sowing in progress and almost completed. Seedlings of *beali* and *sarad* suffering from want of rain.
40	Pooree	" 25, '91	Nil	Weather—very hot. Sowing of winter rice going on. Seedlings beginning to wither for want of rain. Miscellaneous crops doing well. Price of common rice stationary.
41	Balasore	" 27, '91	0·15	Weather—very hot. Rice sowings nearly over. Rain much wanted.
CHOTA NAGPORE				
South-West Frontier Agency.				
Chota Nagpore Divn. 42	Hazaribagh	June 27, '91	Nil	Weather—hot and sultry. Paddy seedlings dying for want of rain, which is becoming serious. Locusts have done some damage in places.
43	Lohardugga	" 27, '91	Nil	Weather—very hot. Ploughing continues. Crops already germinated are suffering much for want of rain. Sugarcane doing well in Palamow subdivision. Prices steady.
44	Singbhoom	" 27, '91	Nil	No rain. Excessive heat. Agricultural operations entirely suspended for want of rain. Young crops suffering much. Flights of locusts have visited the district, but only in one outpost are they reported to have done much damage.
45	Manbhoom	" 27, '91	0·61	Weather—very hot and dry up to yesterday (26th) when a heavy storm occurred. Paddy seedlings damaged to some extent by drought and locusts. It is, however, not too late for a second sowing. Common rice selling at from 17 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 30th June, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·574	29·523	—	SSW	274	91·7	24, 26 June	83·1	21st June	91·0	84·2	87·6	—	85·5
		Gopalpore	29·558	29·518	—·031	SW	319	90·7	26th „	82·8	21 & 22 „	89·8	83·9	86·9	+2·8	86·1
		False Point	29·590	29·552	—·019	S	346	97·5	22nd „	82·7	21, 23 „	92·6	83·3	88·0	+3·3	87.7
	Cuttack	Cuttack	29·513	29·536	—·036	S	82	107·9	21st „	83·4	21st „	105·P	84·4	95 2	+8·3	89 5
	Balasore	Balasore	29·531	29·530	—·032	SSW	222	99·5	21 & 22 „	77·7	27th „	90·0	81·2	88·6	+3·5	86·6
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·581	29·550	—·021	S	429	93·7	26th „	85·5	21, 24, 27 „	92 9	85·6	89 3	+3·4	88·1
	Midnapore	Midnapore	29·442	29·535	—·033	S	242	105·4	21 & 22 „	78·1	27th „	101·8	82·3	92·1	+5·8	87·2
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·575	29·541	—·026	S & SSE	178	97·1	21st „	82·1	24 & 25 „	96·0	82·5	89·3	+4·8	87·2
	Burdwan	Burdwan	29·493	29·537	—·026	S	183	100·7	21 & 22 „	81·4	27th „	98·7	82·4	90·6	+4·1	86·0
	Bankoora	Bankoora	29·267	29·511	—·030	S	160	108·6	21 & 22 „	70·0	27th „	103·6	82·5	93·1	—	86 5
	Beerbhoom, West Burdwan	Raneegunge	29·243	29·532	—·036	Sly	73	107·0	21 & 22 „	79·8	27th „	103·7	83·7	93·2	+6·8	86·3
	Moorshedabad	Berhampore	29·517	29·532	— 040	SEly	115	99·7	22nd „	74·8	23rd „	96·8	80·2	88·5	+3·3	84 2
	Nuddea	Krishnaghur	29·540	29·534	—·028	S, SSE	210	100·7	22nd „	78·7	23rd „	98·8	81·3	89·8	+4·0	86·8
	Jessore, Khoolna	Jessore	29·577	29·556	—·035	SSE	138	95·7	21 & 22 „	80·4	23rd „	95·0	82·1	88·6	+3·6	86·6
East Bengal.	Chittagong	Chittagong	29·596	29·629	—·027	SE	133	90 7	23, 27 „	79·1	25, 27 „	90·1	79·8	84·9	+3·8	84·6
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·626	29·583	—·024	S & SSW	141	93·8	22nd June	81·3	24th „	93·0	81·9	87·5	+4·5	86·4
	Noakhally	Noakholly	29·617	29·607	—·026	SE	191	91·5	23rd „	78·3	27th „	90·4	81·6	86·0	+4·3	84·4
	Furreedpore	Furreedpore	29·600	29·586	—·014	S	154	93·5	22nd „	76 9	27th „	92·4	80·8	86·6	+3 4	84 9
	Dacca	Dacca	29·613	29·582	—·024	S	229	92·6	22nd „	82·2	21, 24, 26 „	92·0	82 4	87·2	+3·3	85·2
	Commillah	Commillah	29·626	29·609	—·014	S	130	92·3	21, 23 „	75·8	26, 27 „	91·3	78·9	85·1	+2·4	84·6
	Mymensingh	Mymensingh	29·587	29·595	—·023	ENE & SE	137	91·7	23rd „	72·6	24th „	88·4	78·0	83 2	+1·1	82 1
North Bengal.	Bogra	Bogra	29·543	29·556	—·010	E & SE	105	93·3	22 & 23 „	73·2	24th „	91·5	76·3	83·9	+0·2	83·1
	Pubna	Serajgunge	29·578	29·574	—·025	SSE	95	92·1	26th „	70 7	24th „	91·0	77·0	84·0	+0·7	83·3
	Rajshahye	Rampore Beauleah.	29·528	29·547	— 015	SSE	164	95·8	22nd „	75·6	24th „	93·5	80·0	86·8	+3·2	84 5
	Maldah	Maldah	29·502	29·552	—	E	82	98·7	22nd „	77·4	23rd „	96·9	80·4	88·7	—	85·5
	Dinagepore	Dinagepore	29·491	29·501	—·038	E	30*	94·1	22nd „	75·2	24th „	91·0	77·8	84·4	+0·9	80·6
	Rungpore	Rungpore	29·517	29·593	—·030	E	94	92·8	22nd „	73·2	24th „	90·0	76·2	83·1	+1·5	80·6
	Julpigoree, Cooch Behar	Julpigoree	29·358	29·594	—·022	?	83	89·4	25th „	75·1	21st „	86·8	76·5	81·7	+0·7	79 1
	Darjeeling Hill Tracts	Darjeeling	22·874	—	—·011	SWly & Calm	102	67·1	21st „	54·6	21st „	65·2	56·8	61·1	—0·1	60·6
North Behar.	Purneah, North Bhagulpore	Purneah	29·168	29·518	—·025	Ely	40	96·2	21st „	76·2	24th „	92·6	78·2	85·4	+0·8	81·8
	Mozufferpore	Mozufferpore	29 375	29·503	—	ENE & ESE	224	101·4	21st „	80·2	24 & 25 „	96 3	81·8	89·1	—	84·8
	Durbhunga	Durbhunga	29·422	29 530	—·023	ENE	169	99·9	21st „	79·0	24th „	94·3	81·5	87·9	+3·4	84·1
	Chumparun	Motihari	29·341	29·519	—·030	ENE	105	100·2	21st „	79·9	24, 26, 27 „	95·2	80·8	88·0	+3·1	84·0
	Sarun	Chupra	29·356	29·486	—·053	E	163	105·3	21st „	81·5	26th „	100·7	82·6	91·7	+5·2	86·7
South Behar.	Shahabad	Debree	29·184	29·478	—·051	ENE	182	110·9	21, 24 „	80·0	24th „	108·7	82·8*	95 6*	+9·4	91·9
		Buxar	29·295	29·483	—·056	ENE	158	106·9	21, 23 „	79·7	22nd „	103·3	83·1	93·2	+6·4	88·2
		Arrah	29·350	29·488	—·039	NE	57	106·4	21st „	78·6	21st „	102 3	82·8	92·5	+5·5	87·9
	Gya	Gya	29·164	29·482	—·052	E	110	110·6	23, 25 „	77·8	27th „	108·1	85·4	96 8	+8·5	91·5
	Patna	Bankipore	29 364	29·495	—·054	E	164	105 6	21st „	82·2	26 & 27 „	100·3	82·8	91·6	+4·5	86 5
	South Bhagulpore, Monghyr	Bhagulpore	29·400	29·511	—·013	E	45	100·8	22nd „	78·0	21st „	96·7	81·3	89·0	+4·5	85·1
	Sonthal Pergunnahs	Doomka	29·071	29·506	—·034	SEly	160	108·2	22nd „	78·4	26th „	101·8	81·5	91·7	+6·0	86·6
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·595	29·482	—·027	SSW	235	105·1	25th „	?	?	103·7	?	?	?	89·2
	Lohardugga, Maunbhoom	Ranchee	27·482	29·485	—·020	Calm	123	105·0	25th „	77·9	24th „	103·7	79·8	91·5	+10·1	87·6
	Singbhoom	Chyebassa	28·806	29·497	—·019	SW	47	111·3	22, 25 „	81·7	23rd „	108·7	83·4	96·0	+9·3	88·1
Assam.	Sibsagar	Sibsagar	29·312	29·596	—·046	SE		94·1	23, 25 „	77·5	24, 27 „	92·8	78·3	85·6	+1·8	83·6
	Goalpara	Dhubri	29·528	29·507	—·018	Variable	83	89·7	24th „	71·8	21st „	85·9	75·7	80·9	+0·9	78·5
	Cachar	Silchar	29·570	29·624	—·035	Calm		92·5	24, 26 „	76·7	22nd „	91·2	77·4	84·3	+2·2	2·8

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last. The humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the [illegible] means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the most stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fall.

for the week ending Saturday, the 27th of June 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
02	2·6	Nil	Nil	3·43	0·53	8·09	−7·56	4·82	9·81	−4·99	0·00	2·87	Pooree ...	Pooree	Orissa.
83	4·3	0·03											Gopalpore ...		
85	6·3	Nil											False Point ...		
73	5·3	Nil	0·02	3·59	0·91	8·84	−7·93	5·28	11·34	−6·06	0·00	3·11	Cuttack ...	Cuttack	
81	3·4	0·13	0·41	2·83	3·17	7·82	−4·65	6·49	10·52	−4·03	0·30	3·07	Balasore ...	Balasore	
81	7·9	Nil	0·02	2·69	4·59	9·14	−4·55	9·69	11·62	−1·93	0·00	3·25	Saugor Island ...	South-West Midnapore South 24 Pergunnahs	South-West Bengal.
77	2·3	Nil	Nil	2·16	5·57	8·87	−3·30	11·82	11·06	+0·76	0·00	3·22	Midnapore ...	Midnapore	
82	5·4	Nil	Nil	2·11	3·84	8·98	−5·14	8·66	11·98	−3·32	0·00	3·45	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
81	8·0	Nil	0·55	1·98	3·76	8·14	−4·38	12·40	11·05	+1·35	0·67	3·21	Burdwan ...	Burdwan	
78	3·0	0·01	0·05	2·35	5·28	9·57	−4·29	13·90	12·10	+1·80	0·25	3·61	Bankoora ...	Bankoora	
78	6·9	Nil	0·13	2·54	3·09	9·56	−6·47	11·92	11·76	+0·16	0·25	3·33	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
91	8·4	0·16	1·15	2·01	3·91	8·27	−4·36	12·48	11·81	+0·67	1·67	3·00	Berhampore ...	Moorshedabad ...	
80	6·7	Nil	0·03	1·73	4·01	8·73	−4·12	13·48	12·69	+0·79	1·00	3·06	Krishnagur ...	Nuddea	
87	9·1	Nil	0·23	2·30	5·14	11·36	−6·22	13·21	14·91	−1·70	0·13	3·61	Jessore ...	Jessore ... ... Khoolna	
83	6·1	Nil	0·20	6·54	8·01	27·20	−19·19	13·06	33·02	−20·26	0·50	4·61	Chittagong ...	Chittagong	East Bengal.
			1·41	3·39	12·34	17·00	−4·66	21·06	22·83	−1·77	1·00	4·65	Demagiri ...	Chittagong Hill Tracts	
83	3·6	Nil	Nil	4·31	5·28	17·61	−12·33	13·18	22·40	−9·22	0·00	4·59	Barrisal ...	Backergunge	
87	3·6	0·36	0·69	5·07	11·19	24·62	−13·43	21·52	31·24	−9·72	1·50	4·35	Noakhally ...	Noakhally	
90	6·4	0·25	0·15	2·59	7·49	11·32	−3·83	13·15	16·05	−2·90	0·07	3·70	Furreedpore ...	Furreedpore	
88	8·0	0·32	0·01	2·96	12·35	12·09	+0·26	22·41	16·46	+5·95	0·00	3·47	Dacca ...	Dacca	
80	8·7	0·47	0·44	3·00	12·32	14·80	−2·48	23·89	19·99	+3·90	0·50	3·82	Commillah ...	Commillah ...	
92	7·6	3·52	3·14	3·69	18·25	15·94	+2·31	29·53	21·62	+7·91	2·29	4·13	Mymensingh ...	Mymensingh	
89	8·1	1·05	2·04	2·07	7·44	11·16	−3·72	15·44	16·67	−1·23	2·75	3·24	Bogra ...	Bogra	North Bengal.
92	8·3	0·80	0·47	2·02	8·35	9·89	−1·54	15·12	14·28	+0·84	0·50	3·18	Serajgunge ...	Pubna	
89	6·9	1·84	1·52	3·07	5·59	10·29	−4·70	13·99	14·26	−0·27	1·67	3·20	Rampore Beauleah	Rajshahye	
86	6·3	Nil	0·47	2·96	3·34	11·31	−7·97	8·27	14·23	−5·96	0·50	3·28	Maldah ...	Maldah	
89	10·0	0·81	0·71	3·27	4·25	12·57	−8·32	10·04	17·33	−6·03	1·49	3·47	Dinagepore ...	Dinagepore	
90	3·4	6·72	3·75	4·41	7·86	19·60	−11·74	19·44	27·42	−7·98	2·50	3·47	Rungpore ...	Rungpore	
94	4·0	4·54	8·36	7·60	14·83	29·19	−14·36	23·86	38·44	−14·58	5·20	4·73	Julpigoree ...	Julpigoree ... ... Cooch Behar	
97	10·0	1·48	1·91	7·85	11·73	27·70	−15·97	22·42	34·64	−12·22	3·75	4·00	Darjeeling ...	Darjeeling Hill Tracts	
88	7·7	0·05	0·75	2·85	4·97	11·07	−6·10	13·10	14·03	−0·93	1·40	2·92	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
83	5·3	Nil	2·47	1·82	9·70	7·31	+2·39	12·63	8·58	+4·05	1·00	2·63	Mozufferpore ...	Mozufferpore	
85	6·1	0·06	0·02	2·40	7·66	7·78	−0·12	11·38	9·16	+2·22	0·00	2·72	Durbhunga ...	Durbhunga	
83	7·4	0·06	0·48	2·08	6·46	7·73	−1·27	11·36	9·25	+2·11	0·50	2·76	Motihari	Chumparun	
81	1·6	Nil	0·39	2·49	9·14	6·28	+2·86	10·73	7·39	+3·34	0·33	2·87	Chupra ...	Sarun	
47	4·1	Nil											Dehree ...	Shahabad	South Behar.
65	3·1	Nil	0·00	2·27	2·26	5·10	−2·84	3·19	5·97	−2·78	0·00	2·86	Buxar ...		
73	0·4	Nil											Arrah ...		
81	4·4	1·02	0·30	2·08	4·41	5·46	−1·05	5·63	6·89	−1·26	0·50	2·61	Gya ...	Gya	
79	5·6	Nil	Nil	2·11	6·34	6·08	+0·26	9·65	7·53	+2·12	0·00	2·61	Bankipore ...	Patna	
80	7·6	Nil	0·50	2·20	5·14	6·75	−1·61	9·65	8·28	+1·37	0·00	2·83	Bhagulpore ...	South Bhagulpore ... Monghyr	
75	2·7	0·57	0·40	2·53	3·67	8·48	−4·81	10·61	11·03	−0·42	1·00	3·49	Doomka ...	Sonthal Pergunnahs ..	
44	0·7	Nil	0·00	2·50	2·84	7·80	−4·96	7·04	9·63	−2·59	0·00	3·57	Hazaribagh ...	Hazaribagh	Chota Nagpur.
49	3·0	Nil	0·00	2·54	0·76	7·34	−6·58	3·44	8·99	−5·55	0·00	3·52	Ranchi ...	Lohardugga	
			0·50	2·35	4·43	7·79	−3·36	8·81	9·46	−0·65	1·00	3·03		Manbhoom	
63	1·3	Nil	0·00	2·37	1·14	7·93	−6·79	4·62	10·41	−5·79	0·00	3·39	Chyebassa ...	Singhboom	
88	8·6	2·35											Sibsagar	Assam	Assam.
64	8·7	5·65											Dhubri		
86	8·9	1·23											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 27th of June 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 21st June.	Monday, 22nd June.	Tuesday, 23rd June.	Wednesday, 24th June.	Thursday, 25th June.	Friday, 26th June.	Saturday, 27th June.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
Orissa ...	Pooree ...	Pooree ...	......	......	......	......	......	......	......	Nil	Nil	3·24	1·01	7·81	4·70	9·10
		Khurdah ...	......	......	......	......	......	......	......	Nil	Nil	3·51	0·30	9·14	5·38	11·18
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	2·10	0·15	6·73	6·16	7·97
		False Point ...	......	......	......	......	......	......	......	Nil	Nil	4·68	0·55	8·70	3·03	11·00
		Gop ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·43	?
		Satpara ...	......	......	......	......	......	......	......	Nil	Nil	?	1·44	?	7·41	?
		Pipli ...	......	......	......	......	......	......	......	Nil	Nil	?		?		?
	Cuttack .	Jagatsingpore	......	......	......	......	......	......	......	Nil	Nil	3·31	Nil	7·00	4·33	8·51
		Banki ...	......	......	......	......	......	......	......	Nil	Nil	3·70	0·44	9·61	6·28	11·42
		Cuttack ...	......	......	......	......	......	......	......	Nil	Nil	3·81	2·04	10·47	6·71	14·09
		Kendrapara ...	0·09	......	......	......	......	......	......	Nil	0·09	3·42	0·93	8·12	3·65	10·48
		Jajpore ...	......	......	......	......	......	......	......	Nil	Nil	3·64	1·11	9·01	5·38	12·17
		Dharmsala ...	......	......	......	......	......	......	......	Nil	Nil	?	0·25	?	3·11	?
		Salipore ...	......	......	......	0·14	......	......	......	1	0·14	?	3·26	?	7·43	?
	Balasore ...	*Akhoyapada*...	......	......	0·76	......	......	......	......	1	0·76	?	1·72	?	5·85	?
		Chandbali ...	......	......	......	......	......	......	......	Nil	Nil	2·98	1·86	7·16	4·09	10·05
		Bhuddruck ...	......	......	0·10	......	......	......	......	1	0·10	3·25	1·78	7·98	5·30	11·35
		Sorah ...	......	......	......	......	......	......	......	Nil	Nil	2·09	3·39	6·28	7·10	9·36
		Balasore ..	......	......	......	......	......	......	0·15	1	0·15	3·08	4·04	8·22	7·30	10·90
		Jellasore ..	......	......	......	......	......	......	......	Nil	Nil	2·14	4·70	7·55	7·50	9·31
		Baripodah ...	......	......	......	......	......	0·07	2·13	1	2·20	3·43	3·66	9·67	7·61	12·06
South-West Bengal.	Midnapore ..	Contai ...	......	......	......	......	......	......	0·06	Nil	0·06	2·69	1·24	8·82	2·81	11·23
		Saugor Island	......	......	......	......	......	......	......	Nil	Nil	2·88	3·51	9·32	4·35	12·03
		Tumlook ...	......	......	......	......	......	......	......	Nil	Nil	2·34	3·71	8·72	12·86	11·27
		Midnapore ...	......	......	......	......	......	......	......	Nil	Nil	2·11	3·56	8·22	9·16	10·26
		Ghattal ...	......	......	......	......	......	......	......	Nil	Nil	2·02	4·45	9·65	13·15	11·63
		Kukrahaty ...	......	......	......	......	......	......	0·12	1	0·12	?	3·92	?	6·73	?
		Garbetta ...	......	......	......	......	......	......	......	Nil	Nil	?	4·30	?	13·23	?
	24-Pergunnahs	Diamond Harbour ...	......	......	......	......	......	......	......	Nil	Nil	2·50	9·01	9·26	12·90	11·40
		Canning Town	......	......	......	......	......	......	......	Nil	Nil	?	6·84	?	9·70	?
		Alipore Jail ..	......	......	......	......	......	......	......	Nil	Nil	2·35	4·16	8·98	7·49	12·33
		Barrackpore...	......	......	......	......	......	......	......	Nil	Nil	2·22	1·68	9·45	7·28	12·54
		Dum-Dum ...	......	......	......	......	......	......	......	Nil	Nil	1·87	1·21	9·07	3·94	12·38
		Baraset ...	......	......	......	......	......	......	......	Nil	Nil	1·92	5·14	8·68	9·20	11·06
		Buseerhat ...	......	......	......	......	......	......	......	Nil	Nil	2·30	9·30	10·09	11·61	13·67
	Howrah ..	Howrah .	......	......	......	......	......	......	......	Nil	Nil	2·18	4·48	8·94	8·31	11·72
		Mohesreka (*Ooloberiah*) ...	......	......	......	......	......	......	......	Nil	Nil	1·80	2·59	8·49	10·15	10·98
	Hooghly ..	Serampore ...	......	......	......	......	......	......	......	Nil	Nil	1·98	1·60	8·71	7·16	14·58
		Hooghly ...	......	......	......	......	......	......	......	Nil	Nil	2·15	4·15	8·39	9·79	11·45
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	2·24	4·77	9·10	12·34	11·53
	Burdwan ..	Culna ...	......	......	......	......	......	......	......	Nil	Nil	1·81	2·71	7·93	12·06	10·26
		Burdwan ...	......	......	......	......	......	......	......	Nil	Nil	2·50	2·70	7·89	13·50	10·60
		Cutwa ...	......	......	0·46	......	......	......	1·20	2	1·66	1·64	5·86	8·71	11·64	12·33
		Raneegunge ...	......	......	......	......	......	......	......	Nil	Nil	2·16	4·36	8·13	14·31	10·08
		Mankur ...	......	......	......	......	......	......	......	Nil	Nil	?	5·32	?	13·72	?
	Bankoora ..	Bankoora ...	......	......	......	......	......	......	0·01	Nil	0·01	2·73	4·09	8·54	12·64	11·39
		Bishenpore ...	......	......	......	......	......	......	......	Nil	Nil	2·75	6·02	9·60	15·32	12·50
		Maliara ...	......	......	......	......	......	......	......	Nil	Nil	2·10	7·20	9·50	16·81	11·57
		Khatra ...	......	......	0·20	......	......	......	......	1	0·20	3·01	2·83	10·63	10·84	12·68
		Indas ...	......	......	......	......	......	......	0·06	Nil	0·06	?	2·53	?	12·93	?
		Kotalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	0·27	?	13·94	?
		Anda ..	......	......	......	......	......	......	0·12	1	0·12	?	1·23	?	5·28	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	?	5·70	?	15·07	?
		Raipore ...	......	......	......	......	......	......	0·33	1	0·33	?	8·47	?	19·01	?
		Sonamukhi ..	......	......	......	......	......	......	......	Nil	Nil	?	6·83	?	16·02	?
	Beerbhoom	Bh. Soory ..	......	......	......	......	......	......	0·01	Nil	0·01	3·09	2·52	9·90	9·70	12·38
		Hotampore ...	......	......	......	......	......	......	0·44	1	0·44	2·48	3·75	11·09	14·02	12·85
		Rampore Haut	......	......	......	......	......	......	0·07	Nil	0·07	2·42	1·72	9·14	9·53	11·71
		Bolpore ...	......	......	......	......	......	......	1·99	1	1·99	?	5·80	?	12·92	?
		Murari ...	......	......	0·26	......	......	0·09	0·44	2	0·79	?	3·01	?	9·24	?
	Nuddea ..	Ranaghat ...	......	......	......	......	......	......	......	Nil	Nil	1·64	2·28	8·61	11·74	11·96
		Kishnaghur ...	......	......	......	......	......	......	......	Nil	Nil	1·94	3·90	7·83	12·25	10·94
		Chooadanga ...	......	......	0·12	......	......	......	0·73	2	0·85	1·28	3·77	8·15	13·98	13·11
		Meherpore ...	......	......	0·65	......	......	......	3·05	2	3·70	1·52	6·09	9·52	12·73	12·73
		Kooshtea .	......	......	0·10	......	......	......	......	1	0·10	2·29	5·69	10·04	13·73	14·74
	Khoolna ..	Satkhira ..	......	......	......	......	......	......	1·85	1	1·85	2·49	6·13	11·77	11·54	15·10
		Bagirhat ..	......	......	......	......	......	......	......	Nil	Nil	3·13	8·43	13·45	14·32	16·00
		Khoolna ...	......	......	......	......	......	......	......	Nil	Nil	2·40	2·63	12·04	9·83	15·31
		Nakipur ...	......	......	......	......	......	......	......	Nil	Nil	?	8·12	?	11·99	?
		Rampal .	......	......	......	......	......	......	......	Nil	Nil	?	4·09	?	8·03	?
	Jessore ...	Narail ..	......	......	......	......	......	......	......	Nil	Nil	1·88	8·32	10·17	9·93	13·41
		Jessore ..	......	......	......	......	......	......	......	Nil	Nil	2·11	4·29	11·68	12·98	15·64
		Jhenidah ..	......	......	......	......	......	......	......	Nil	Nil	1·90	5·91	11·85	15·65	15·46
		Magoorah ..	......	......	......	......	......	......	......	Nil	Nil	2·40	6·91	10·67	18·18	14·96
		Bongong ..	......	......	......	......	......	......	......	Nil	Nil	2·08	3·57	9·31	13·26	12·58
	Moorshedabad	Kandi ...	......	......	......	1·05	......	......	0·35	2	1·40	1·91	5·91	8·67	11·58	11·02
		Berhampore ...	......	......	0·16	......	......	......	......	1	0·16	1·79	2·71	8·39	13·25	11·90
		Lalbagh ...	......	......	2·36	......	......	......	0·13	2	2·49	1·84	5·76	7·01	15·39	10·96
		Azimgunge ...	......	......	0·35	......	......	......	0·05	1	0·40	2·33	2·53	8·82	11·26	12·36
		Jungipore ..	......	......	......	1·12	......	......	0·20	2	1·32	2·12	2·59	8·04	10·57	11·46
		Lalgola ...	......	......	......	1·05	......	......	0·10	2	1·15	2·09	3·95	8·70	12·75	12·58
		Akhrigunj ...	......	......	1·40	0·16	......	......	0·48	3	2·04	?	6·61	?	10·49	?
		Patkabari ...	......	0·90	......	......	......	0·60	1·30	3	2·80	?	10·45	?	10·00	?
East Bengal	Chittagong	Cox's Bazar ...	......	......	......	......	0·41	......	......	1	0·41	8·11	7·82	32·10	12·32	38·71
		Chittagong ...	......	......	......	......	......	......	......	Nil	Nil	4·07	8·22	22·29	14·90	29·12
		Kutubdia ...										?		?		?
		Satkanya ...	0·10	......	0·45	......	......	0·05				?		?		?
	Chittagong Hill Tracts.	Rangamati ...	......	0·04	......	......	......	......	1·37	1	1·41	3·39	12·34	17·00	21·06	22·83
		Bundarban ...	......	......	......	......	......	......	......	Nil	Nil	?	12·75	?	25·34	?
	Backergunge	Patuakhally...	......	......	......	......	......	......	......	Nil	Nil	4·70	0·14	20·41	12·55	26·09
		Perozepore ...	......	......	......	......	......	......	......	Nil	Nil	4·49	5·74	15·35	14·84	19·15
		Burrisal ...	......	......	......	......	......	......	......	Nil	Nil	3·73	4·40	15·44	10·29	19·82
		Bhola ...	......	......	......	......	......	......	......	Nil	Nil	4·32	4·75	19·34	15·10	24·48

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 27th of June 1891—*contd.*

Meteorological division.	District.	Station.	RAINFALL. Sunday, 21st June.	Monday, 22nd June.	Tuesday, 23rd June.	Wednesday, 24th June.	Thursday, 25th June.	Friday, 26th June.	Saturday, 27th June.	TOTAL. Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL—*concld.*		*Gournaddi* ...	......	......	......	......	......	......	......	Nil	Nil	?	6·28	?	11·60	?
		Bauphal ...	......	......	......	......	......	......	......	Nil	Nil	?	7·73	?	14·07	?
	Noakholly ...	Noakholly ...	......	......	......	......	......	0·09	0·26	1	0·35	5·54	12·30	23·68	23·90	30·00
		Fenny ...	......	......	......	......	0·85	0·10	0·07	2	1·02	4·00	9·81	25·55	19·19	32·45
		Harishpore ...	......	......	......	......	0·15					?		?		?
		Ramganj ...	......	......	......	......	......	......	1·61	1	1·61	?	7·32	?	15·24	?
	Furreedpore	Madaripore ...	......	......	......	......	......	......	......	Nil	Nil	2·81	5·08	13·14	10·13	16·71
		Furreedpore ...	......	......	......	......	......	......	0·33	1	0·33	2·53	8·30	11·13	15·76	16·04
		Goalundo ...	......	......	0·12	......	......	......	......	1	0·12	2·43	8·41	10·69	14·19	14·83
	Dacca ...	Munshigunge	......	......	......	......	......	......	......	Nil	Nil	3·18	19·52	14·24	18·73	19·40
		Dacca ...	......	......	......	......	......	......	......	Nil	Nil	2·73	14·23	12·20	25·66	16·72
		Naraingunge	......	......	......	......	......	......	0·04	Nil	0·04	4·07	11·94	13·05	24·54	16·80
		Manickgunge	......	......	......	......	......	......	......	Nil	Nil	1·87	13·73	8·79	20·71	12·87
		Joydebpore ...	......	0·12	......	......	......	......	0·12	2	0·24	?	11·95	?	21·62	?
	Hill Tipperah	Agartola ...	......	......	......	......	......	......	......	Nil	Nil	2·36	22·00	12·77	32·00	18·06
	Tipperah ...	Comilla ...	......	......	......	......	......	1·24	0·51	2	1·75	3·68	11·69	17·33	28·44	23·27
		Chandpore ...	......	......	......	......	......	......	......	Nil	Nil	3·60	7·42	15·03	16·83	19·37
		Brahmunberia	......	......	......	......	......	......	......	Nil	Nil	2·35	13·76	14·05	23·88	19·26
		Ramchandrapore ...	......	......	......	......	......	......	......	Nil	Nil	?	12·74	?	23·12	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	5·60	?	10·93	?
		Daudkandi ...	......	......	......	......	......	......	......	Nil	Nil	?	9·70	?	25·76	?
		Kasba ...	......	......	......	......	......	......	......	Nil	Nil	?	?	?	?	?
		Laksham ...	......	......	......	......	......	......	2·45	1	2·45	?	?	?	?	?
	Mymensingh...	Kishoregunge	......	......	......	......	......	......	0·96	1	0·96	2·78	25·75	17·12	40·35	22·93
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	2·94	12·05	12·00	22·10	15·80
		Mymensingh	......	......	......	0·12	0·76	0·08	0·06	3	1·02	3·75	12·56	17·02	24·80	24·00
		Jamalpore ...	......	......	......	3·18	......	0·31	0·30	3	3·79	3·28	10·86	13·63	20·35	18·38
		Netrokona ...	......	......	......	0·51	1·25	6·15	1·13	4	9·04	5·70	30·09	19·04	41·08	27·00
		Subornakhally	0·13	......	......	......	......	......	......	1	0·13	?	8·41	?	13·75	?
		Durgapore ...	......	......	......	1·10	0·90	1·15	1·22	4	4·37	?	20·73	?	31·65	?
		Sherepore Town	......	1·15	......	0·90	......	1·28	0·55	4	3·88	?	9·61	?	19·72	?
		Dewanganj ...	1·41	......	1·19	......	0·08	0·25				?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	......	......	0·08	......	......	......	......	Nil	0·08	1·00	4·72	0·87	12·34	13·92
		Serajgunge ...	......	......	......	0·85	......	......	......	1	0·85	2·14	11·94	9·90	17·85	17·62
	Bogra ...	Sherepore ...	0·09	......	......	1·15	0·19	......	0·03	3	1·46	2·30	5·63	10·06	12·53	16·62
		Nowkhilla ...	......	......	......	1·00	0·16	0·13	0·03	2	1·32	2·32	0·95	11·09	19·96	16·13
		Bogra ...	0·23	......	......	0·17	0·54	0·08	0·03	3	1·05	3·44	8·00	12·01	15·59	18·44
		Panchbibi ...	......	1·10	......	......	2·34	0·30	......	3	3·74	2·61	0·20	9·95	13·70	15·45
	Rajshahye ...	Beauleah ...	......	......	0·59	......	......	......	0·59	2	1·18	2·21	6·33	8·78	14·47	12·14
		Nattore ...	......	......	0·05	1·70	......	......	1·27	2	3·02	2·15	7·77	9·47	19·42	13·28
		Naogaon ...	......	......	......	......	......	......	0·36	1	0·36	4·56	2·66	12·61	8·07	17·55
		Lalpore ...	......	0·90	......	......	......	......	......	1	0·90	?	5·50	?	12·40	?
		Manda ...	......	......	......	......	......	......	......	Nil	Nil	?	4·12	?	8·66	?
	Maldah ...	Maldah ...	......	......	......	......	......	......	......	Nil	Nil	2·55	3·04	10·57	9·01	13·43
		Chanchal ...	......	......	......	......	0·02	......	0·92	1	0·94	3·38	3·64	12·07	6·61	15·04
		Gajol ...	......	0·41	......	......	0·10	......	0·22	3	0·73	?	2·43	?	6·77	?
		Sibganj ...	......	......	......	......	0·36	......	0·60	2	0·96	?	4·67	?	13·85	?
	Dinagepore ...	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	2·25	1·86	11·50	4·78	16·32
		Churamon ...	......	......	......	......	......	......	0·06	Nil	0·06	3·10	2·64	10·86	9·76	14·49
		Raigunge ...	......	......	......	......	0·05	......	......	1	0·05	3·18	7·25	13·64	14·60	17·75
		Dinagepore ...	......	0·35	......	0·50	......	0·12	......	3	0·97	3·98	2·22	15·40	11·14	20·65
		Baloorghat ...	......	0·52	......	......	1·23	0·32	......	3	2·07	3·85	7·46	11·39	13·05	17·37
		Thakoorgaon	......	......	......	......	0·79	4·59	0·07	2	5·45	?	9·78	?	18·96	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	......	1·22	......	2·05	......	......	......	2	3·27	2·50	6·02	14·20	18·45	20·04
		Rungpore ...	......	......	0·02	3·55	......	3·72	0·02	2	7·31	3·88	8·09	17·89	22·01	25·26
		Kurigram ...	......	......	0·19	2·81	......	0·30	0·21	4	3·51	4·38	9·22	21·25	19·54	31·57
		Bagdogra (*Nilphamari*)	......	......	......	0·14	......	0·59	0·09	2	0·82	6·78	7·24	23·05	17·78	33·72
		Ulipore ...	......	......	......	1·96	......	0·14	......	2	2·10	?	4·39	?	21·57	?
	Julpigoree ...	Julpigoree ...	0·33	0·08	0·03	0·81	......	0·05	3·42	3	4·24	6·59	7·75	20·56	16·73	35·17
		Alipore Dooar	1·52	1·82	0·20	0·74	1·33	0·17	......	6	5·78	?	12·15	?	22·78	?
		Fallacotta ...	1·21	......	......	0·25	0·58	0·23	......	4	2·27	?	9·89	?	15·76	?
		Debiganj ...	......	......	......	0·74	......	0·02	0·08	1	0·84	?	3·08	?	10·51	?
		Bhagatpore (*Nagrakatta*)	0·15	......	0·67	......	0·56	0·33	0·11	5	1·82	?	12·08	?	23·58	
	Cooch Behar..	Dinhatta ...	1·80	......	0·72	0·54	0·14	2·84	0·54	6	6·58	7·16	15·04	27·81	24·60	37·46
		Cooch Behar ...	5·35	1·15	0·81	......	0·42	0·91	1·50	6	10·14	7·87	19·70	34·27	27·79	44·04
		Mickilgunge ...	1·11	0·35	3·20	0·04	0·19	..	2·00	5	7·07	8·27	13·89	26·94	21·84	35·82
		Matabhanga ...	3·93	5·11	2·85	0·08	0·68	0·88	0·25	6	13·78	8·13	18·18	30·35	28·35	39·14
	Darjeeling Hill.	Buxa ...	1·10	0·01	0·51	0·56	0·61	0·35	0·15	6	3·29	12·38	20·82	43·14	34·03	55·60
		Silliguri ...	......	......	......	......	1·84	0·21	0·23	3	2·28	6·94	8·40	26·43	16·01	35·53
		Darjeeling ...	0·08	0·70	0·13	0·08	0·14	0·22	0·04	4	1·48	6·20	13·41	22·05	20·57	28·04
		Kalimpong ...	0·05	0·04	......	0·05	0·09	0·10	0·27	2	0·60	5·89	4·33	18·28	13·10	21·24
		Kurseong ...	......	......	......	0·60	0·80	2·05	0·83	4	4·28	?	13·73	?	28·05	?
NORTH BEHAR	Purneah ...	Kissengunge...	......	0·45	......	0·05	0·33	0·04	0·05	3	1·32	3·51	3·50	14·81	13·99	18·95
		Arrareah ...	......	......	......	0·89	0·87	0·06	......	2	1·82	3·42	6·30	12·28	16·35	15·51
		Purneah ...	......	......	......	......	0·04	0·01	......	Nil	0·05	2·76	5·64	11·02	13·77	14·05
		Gondwara ...										?		?		?
		Balarampore	......	......	......	......	......	......	......	Nil	Nil	?	6·11	?	11·16	?
		Matiari ...	......	......	......	......	......	......	......	Nil	Nil	?	2·05	?	7·90	?
		Kaliaganj ...	0·06	0·46	......	......	......	0·19	0·50	3	1·21	?	7·12	?	13·91	?
	North Bhagulpore.	Maddapore ...	......	......	......	0·21	......	......	......	1	0·21	2·26	4·28	8·38	10·71	10·44
		Soopool ...	......	......	......	0·16	......	......	......	1	0·16	2·32	5·14	8·83	10·66	11·17
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	?	5·82	?	14·43	?
	Durbhunga ...	Tajpore ...	......	......	......	......	......	......	......	Nil	Nil	2·27	11·44	7·50	14·97	8·61
		Durbhunga ...	......	......	......	0·04	0·02	......	......	Nil	0·06	2·36	5·52	7·59	8·14	8·06
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	2·57	6·01	8·24	11·04	9·99
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	?	5·42	?	9·81	?
		Roshera ...	......	......	......	......	......	......	......	Nil	Nil	?	......	?	......	?
	Mozufferpore	Sitamarhi ...	......	......	......	4·90	2·29	0·22	......	3	7·41	1·84	15·59	7·92	20·96	9·22
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	1·98	5·99	7·32	17·83	8·75
		Hajipore ...	......	......	......	......	......	......	......	Nil	Nil	1·63	7·51	6·65	9·08	7·73
		Paru ...	......	......	......	......	......	......	......	Nil	Nil	?		?		?
		Mahua ...	......	......	......	......	......	......	......	Nil	Nil	?	5·88	?	7·60	?
		Sishar ...	......	......	......	......	0·35	......	......	1	0·35	?	4·65	?	6·60	?
		Pupri ...	......	......	......	......	......	......	......	Nil	Nil	?	4·10	?	7·89	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 27th of June 1891—concld.

Meteorological division.	District.	Station.	Rainfall.							Total—						
			Sunday, 21st June.	Monday, 22nd June.	Tuesday, 23rd June.	Wednesday, 24th June.	Thursday, 25th June.	Friday, 26th June.	Saturday, 27th June.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 10th May 1891.	Average rainfall from 10th May to date.
North Behar—concluded.	Chumparun ...	Motihari ...	......	......	......	......	......	......	0·96	1	0·96	2·71	7·72	7·36	13·34	9·00
		Bettiah ...	......	......	......	......	......	......	......	Nil	Nil	2·85	5·20	8·08	9·37	9·47
		Bagaha ...	......	......	......	......	......	......	......	Nil	Nil	?	14·78	?	18·71	?
		Burhurwa ...	......	......	......	......	......	......	......	Nil	Nil	?	8·02	?	11·28	?
	Sarun ...	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	2·92	10·75	6·28	12·03	7·45
		Sewan ...	......	......	......	......	......	......	1·16	1	1·16	2·08	12·44	6·70	13·86	7·86
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	2·46	4·22	5·85	5·38	6·84
South Behar	Shahabad	Buxar ...	......	......	......	......	......	......	......	Nil	Nil	2·02	2·23	4·90	2·51	5·55
		Dehree ...	......	......	......	......	......	......	......	Nil	Nil	1·70	1·96	4·00	2·35	5·74
		Bhaboosh ...	......	......	......	......	......	......	......	Nil	Nil	2·73	Nil	5·11	0·35	5·74
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	2·40	0·60	4·97	2·80	5·73
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	2·45	6·54	5·88	7·80	7·06
		Mohaniah ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad ...	......	......	......	......	......	......	0·03	Nil	0·03	2·31	0·61	5·70	1·94	7·02
		Gya ...	......	......	......	......	......	......	1·02	1	1·02	2·06	5·84	6·02	6·13	7·44
		Nowadah ...	......	......	......	......	......	......	0·13	1	0·13	2·24	5·54	5·29	8·73	6·78
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	1·70	5·62	4·80	5·08	6·29
		Arwal ...	......	......	......	......	......	......	......	Nil	Nil	?	2·50	?	3·08	?
		Daudnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	1·65	.	2·70	?
		Sherryhatti ...	......	......	......	......	......	......	......	Nil	Nil	?	4·45	.	4·76	?
		Rajauli ...	......	......	......	......	......	......	......	Nil	Nil	?	5·50	?	10·40	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	?	4·30	?	6·40	?
	Patna	Patna ...	......	......	......	......	......	......	......	Nil	Nil	2·28	8·58	6·77	10·61	8·27
		Dinapore ...	......	......	......	......	......	......	......	Nil	Nil	2·46	9·03	6·44	13·22	7·62
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	2·04	2·74	6·22	6·59	7·85
		Barrh ...	......	......	......	......	......	......	......	Nil	Nil	1·64	4·40	4·85	8·16	6·30
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	?	8·10	?	9·85	?
		Hilsa ...	......	......	......	......	......	......	......	Nil	Nil	?	12·96	?	15·51	?
	Monghyr ...	Begooserai ...	......	......	......	......	......	0·56	......	1	0·56	1·60	6·35	6·08	8·30	7·45
		Monghyr ...	......	......	......	......	......	0·06	......	1	0·06	2·11	4·50	6·33	11·00	8·01
		Jamui ...	......	......	......	......	......	......	1·30	1	1·30	2·56	5·10	6·30	6·97	7·06
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	?	6·52	?	17·54	?
		Sheikpura ...	......	......	......	......	......	......	......	Nil	Nil	?	4·57	?	9·30	?
	South Bhagulpore	Bhagulpore ...	......	......	......	......	......	......	......	Nil	Nil	0·99	3·41	7·56	10·42	9·18
		Banka ...	......	......	......	......	......	......	......	Nil	Nil	2·67	6·44	7·54	10·09	9·18
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	?	2·44	?	8·00	?
		Bangaon ...	......	......	......	......	......	......	......	Nil	Nil	?	3·32	?	9·10	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	......	......	0·25	1	0·25	3·24	3·68	10·10	10·70	13·02
		Godda ...	......	......	......	......	......	......	0·50	1	0·30	2·01	3·10	6·56	8·30	8·87
		Pakour ...	......	......	......	......	......	0·10	......	1	0·10	2·55	3·23	9·60	13·40	13·34
		Nya Doomka	......	......	......	......	......	0·54	0·03	1	0·57	2·25	2·71	8·50	10·01	10·75
		Deoghur ...	......	......	......	......	......	0·37	0·06	1	0·43	2·78	2·09	8·16	6·93	9·92
		Jamtara ...	......	......	......	......	......	......	0·46	1	0·46	2·33	5·80	7·91	14·08	10·23
		Mohagama ...	......	......	......	......	......	......	......	Nil	Nil	?		.		?
		Nanihat ...	......	......	......	......	......	......	......	Nil	Nil	?		?		?
Chutia Nagpur.	Hazaribagh ...	Pachamba (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	2·00	4·52	7·08	10·47	9·54
		Hazaribagh ...	......	......	......	......	......	......	......	Nil	Nil	2·19	2·14	6·07	6·55	8·57
		Somtagurah ...	......	......	......	......	......	......	......	Nil	Nil	2·27		7·14		9·08
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	2·52		7·20		9·04
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	3·83	2·40	10·33	4·00	11·07
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	?	3·64	?	8·05	?
		Chatra ...	......	......	......	......	......	......	......	Nil	Nil	?	1·88	?	2·35	?
		Karugdeha ...	......	......	......	......	......	......	......	Nil	Nil	?	2·21	?	7·41	?
		Ramghar ...	......	......	......	......	......	......	......	Nil	Nil	?	1·70	?	4·10	?
	Lohardugga ...	Lohardugga ...	......	......	......	......	......	......	......	Nil	Nil	2·53	0·44	7·65	3·86	9·51
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	2·70	1·76	8·53	5·52	10·50
		Palamow ...	......	......	......	......	......	......	......	Nil	Nil	2·40	0·09	5·84	0·94	6·97
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	?	3·10	?	7·10	?
		Balumat ...	......	......	......	......	......	......	......	Nil	Nil	?	1·22	?	2·83	?
		Hosseinabad	......	......	......	......	......	......	......	Nil	Nil	?	1·10	?	1·70	?
		Garwah ...	......	......	......	......	......	......	......	Nil	Nil	?	0·05	?	0·37	?
	Singbhoom ...	Chyebassa ...	......	......	......	......	......	......	......	Nil	Nil	2·37	1·14	7·03	4·62	10·41
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	?	2·05	?	6·13	?
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	?	2·50	?	7·27	?
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	?	3·82	?	8·65	?
	Manbhoom ...	Purulia ...	......	......	......	......	......	......	0·61	1	0·61	2·04	6·06	8·35	11·50	10·26
		Gobindpore ...	......	......	......	......	......	......	0·30	1	0·39	2·05	2·79	7·24	6·11	8·64
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	?	3·94	?	9·03	?
		Barrabhoom	......	......	......	......	......	......	1·20	1	1·20	?	5·29	?	8·24	?
		Jhalda ...	......	......	......	......	......	......	......	Nil	Nil	?	0·92	?	6·00	?
		Chas ...	......	......	......	......	......	......	0·36	1	0·36	?	3·87	?	11·09	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 30*th June* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 27TH OF JUNE 1891.

THE meteorological conditions which obtained over the province during the previous week were an almost complete absence of rain except over parts of East and North Bengal, cloud proportion lower than usual, pressure rather above the normal, together with abnormally high temperature, which was also accompanied by high humidity over the greater part of the province. In the centre and south of the Bay a rather strong monsoon current was blowing, and had indeed been reported for a considerable period, but owing apparently to a slight whirl or wind circulation which existed off the Arakan coast, the monsoon winds could not advance direct up towards the head of the Bay, but were being deflected in an easterly direction over Burma. These conditions remained practically unaltered both in Bengal and over the Bay (except that pressure became somewhat lower) up till the 25th June, when the circulation of winds existing off the Arakan coast disappeared, and it became possible for the monsoon current to advance northwards up the Bay towards Bengal instead of being steadily deflected towards the east of the Bay. Up to the close of the week, however, the monsoon winds had not quite reached the head of the Bay, and the rains had not broken generally in Bengal, and thus the whole province, except North and small parts of East Bengal, remained practically rainless, though in North Bengal the falls began to get decidedly heavier than they had been.

The changes of meteorological conditions from day to day have been small and of little importance. On June 21st pressure was falling slowly and temperature was increasing, while rainfall was practically confined to the districts in and near the hills of North Bengal. One or two stations on this day reported very heavy rain, Cooch Behar having received 5 35 inches and Matabhanga 3·93 inches. On the 22nd pressure had risen by small amounts, while temperature was rising in all districts except Behar. Winds became rather less strongly westerly than they were, and generally winds varied from southerly to easterly. Rather heavy rain was again reported from the hills in North Bengal, though there was practically none elsewhere. The heaviest fall on this day was 5·11 inches at Matabhanga. On the 23rd and 24th pressure and temperature had generally fallen by small amounts, and on these two days rainfall became a little more general in North Bengal and over parts of East Bengal, and falls of about 3 inches were reported at Matabhanga, Mickligunge, Kurigram, Rungpore, and Jamalpore. On the 25th and 26th pressure was rising by small amounts, while temperature was falling rather rapidly, and on the 27th the rise of pressure was confined to Behar and it was falling elsewhere, while temperature had continued to fall pretty steadily. Winds on this date were also southerly in the south-western districts, south-easterly in the south-eastern districts, and generally easterly elsewhere; that is, of almost normal monsoon direction. The rainfall of the last three days of the week was again rather more general in North Bengal, but the falls were usually not very heavy. Rather numerous local showers also occurred on the 27th in South-West Bengal.

In the Bay, as stated previously, conditions became more favourable for the advance of the monsoon current from the centre of the Bay into the northern part and towards Bengal from the 25th instant, and wind directions and the distribution of pressure also in Bengal at the close of the week were decidedly favourable for the advance of the monsoon rains over Bengal generally.

Pressure.—The mean pressure for the week has been distinctly in defect of the normal, the defect generally averaging about two or three-hundredths of an inch. The defects have been fairly equally distributed in all districts except South Behar, where an average defect of five-hundredths of an inch is registered.

Temperature—Was excessive during the first half of the week, though it gradually fell in the second half. This excess was largest at the western stations and in the day temperatures, and thus for some days at the Behar stations maximum temperatures were about 15° above the normal. The excess was perhaps largest on the 22nd, 23rd and 24th, and thus on the morning of the 24th Dehree reported a maximum temperature of 110·9,° or 18·1° above the normal, and Chybassa 110·8,° or 17·1° above the normal.

The mean temperature of the province for the week has been about 4° above the normal, and this excess has been fairly equally distributed in all districts except North Bengal, where an excess of only 1·3° is registered, and in South Behar, where the excess has been no less than 6·4.° In Assam the excess has only equalled 1·6.°

Rainfall.—In North Bengal an average fall of 3·01 inches has been received, which is equal to about three-fourths the normal fall, but in all other divisions the falls have averaged less than an inch, and have hence been very largely below the normal. The fall in North Behar has only averaged a third of the normal, in South-West and East Bengal the average fall is one-seventh of the normal, in South Behar one-ninth, in Chutia Nagpur one twenty-fifth, and in Orissa only one-hundredth of the usual fall for the week. For practical purposes, therefore, rainfall has been almost absent over nearly six-sevenths of the province. Even in North Bengal, where the rainfall has on the whole been fairly large, the districts of Pubna, Maldah, and Dinagepur have received very little rain; while, on the other hand, the Julpigoree and Cooch Behar districts have received an average of between 8 and 9 inches, or a fall slightly in excess of the normal. The station of Sitamurhi in the Mozufferpur district of North Behar has been a district of unusual precipitation, and has received a fall largely in excess of the normal for the week, though other stations in the same district have been rainless.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 27th of June 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	107·9	77·7	95 1	83·4	89·3	+4·5	0·20	3·24	—3·04	0·20	3·03	—2·83	1·37	6·23	5·53	10·60
South-West Bengal ...	108·6	74·8	98 5	82·4	90·5	+4·5	0·35	2·21	—1·86	0·44	3·34	—2·90	4·36	9·34	11·40	12·41
East Bengal	93·8	72·6	91·1	80·5	85·8	+3·3	0·85	3·76	—2 91	0·80	4·08	—3·28	11·28	17·02	20·52	22·32
North Bengal	98·7	70·7	91·5	77·7	84 6	+1·3	3·01	4·07	—1·06	2·44	3·62	—1·18	7·89	16·20	16·10	22·18
North Behar	105·3	76·2	95·8	81·0	88·4	+3·1	0·83	2·48	—1·65	0·75	2·80	—2·05	7·26	8·43	11·88	10·25
South Behar	110·0	77·8	103·0	82·8	92·9	+6·4	0·25	2·26	—2·01	0·46	2·93	—2·47	4·22	6·51	7·77	8·13
Chutia Nagpur	105·1*	?*	103·7*	?*	?*	?*	0·09	2·50	—2·41	0·18	3·54	—3·36	2·64	7·68	6·40	9·49
Assam	94·1	71·8	90·0	77·1	83·6	+1·0										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAI,
The 30th June 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 21st to 27th June 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
June ...	21st ...	29·580	90·4	98·0	15·2	82·8	93·6	84·5	1·061	81·1	67	Nil
" ...	22nd ...	·579	90·4	98·0	15·2	82·8	93·0	84·5	1·068	81·3	69	"
" ...	23rd ...	·589	90·5	98·0	15·0	83·0	92·2	83·5	1·029	80·1	69	"
" ...	24th ...	·571	90 0	98·0	16·0	82·0	93·6	84·5	1·061	81·1	67	"
" ...	25th ...	·589	89·7	97·0	14·6	82·4	93·2	84·3	1·054	80·9	67	"
" ...	26th ...	·583	89·9	97·0	14·2	82·8	93·2	83·5	1·015	79·7	66	"
" ...	27th ...	·568	88·7	94·8	12·2	82·6	88·0	81·1	·968	78·3	73	"

	Inches.
The mean 10 A.M. pressure of the seven days	29·581
The mean temperature of the seven days	89·9
The extreme variation of temperature	16·0
The maximum temperature	98·0
The mean 10 A.M. relative humidity of the seven days	68
	Inches.
The total fall of rain from 21st to 27th June 1891	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 29th June 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 21st to 27th June 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Prevailing direction	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
June	21st	149·5	9·1	29·510	88·9	96·0	13·6	82·4	82·1	1·006	79·4	74	S by W, SSW and S by E.	190	Nil	Day clear, night partially cloudy.
"	22nd	148·5	7·0	·544	89·4	95·8	13·2	82·6	82 9	1·038	80·4	76	S by E and SSW ...	196	"	Partially cloudy, lr.
"	23rd	150·8	8·0	·536	89·6	96·3	13·4	82·9	83·0	1·039	80·4	75	SSW and SSE ...	197	"	Partially cloudy.
"	24th	152·1	5·7	·534	89 6	96 3	14·3	82 0	82·9	1·037	80·3	75	SSE ...	156	"	Partially cloudy.
"	25th	151·7	7·1	·546	89 6	96·1	13·8	82·3	83·0	1·036	80·3	75	SSE ...	164	"	Partially cloudy.
"	26th	155·6	3·8	·540	89·4	95·3	12·8	82·5	83·0	1·042	80·5	76	SSE ...	161	"	Chiefly cloudy, lr.
"	27th	146·5	Nil	·542	5·4	93·2	10·9	82·3	80·1	0 957	77·9	78	SSE, S and SE ...	100	"	Cloudy o, t, lr.

	Inches.
The mean pressure of the seven days	29·537
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·521
	Hours.
The total number of hours of bright sunshine	40·7
The maximum possible number of hours of sunshine	94·3
	°
The mean temperature of the seven days	88·8
The average temperature of the corresponding period for 24 years, S.-G.'s Office	84·6
The extreme variation of temperature	14·3
The maximum temperature	96·3
	Miles.
The highest velocity of the wind in one hour	15
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	76
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	84
	Inches.
The total fall of rain from 21st to 27th June 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·51
The total fall from 1st January to 27th June 1891	13·77
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	20·16

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; t, thunder; lr, lightning reflection.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 29th June 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 13th June 1891.

BIRTHS.

THE total births registered during the week ending with Saturday, the 13th June 1891, in twenty-seven principal towns of Bengal, amounted to 390, and correspond to an annual rate of 18·9 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 2·2 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	15·9	17·7	18·1	18·0	13·7	16·7	18·9

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	23rd May 1891.	30th May 1891.	6th June 1891.	13th June 1891.		23rd May 1891.	30th May 1891.	6th June 1891.	13th June 1891.
Burdwan	16·8	16·8	24·4	45·8	Narainganj	45·5	4·1	8·3	8·3
Midnapore	12·4	15·5	18·6	17·0	Chittagong	21·1	18·8	14·1	18·8
Hughli and Chinsurah	19·7	10·7	9·8	29·5	Comillah	11·5	27·0	15·4	11·6
Serampore	23·6	17·7	21·6	23 6	Patna City	10·7	9·1	10·1	7·8
Utterpara	9·4	9·4	18·9	9·4	Gya	21·9	16·4	17·1	15·7
Howrah	19·5	14·9	10·0	17·2	Arrah	20·3	14·4	12·0	16·7
Bali	10·5	14·0	17·5	10·5	Mozufferpore	20·7	30·4	21·9	32·8
Krishnagar	18·9	39·7	24·6	16·1	Durbhanga	18·9	43·3	13·4	29·9
Ranaghat	...	12·0	12·0	6·0	Chupra	29·2	10·2	16·1	18·2
Santipore	10·5	10·5	7·0	10·5	Bhagulpore	10·7	15·2	21·3	21·3
Jessore	12·2	6·1	...	18·4	Monghyr	27·1	24·4	34·4	28·0
Rampore Beauleah	21·0	26·3	26·3	42·0	Purneah	27·7	6·9	10·4	...
Darjiling	51·9	22·2	14·8	29·6	Poori	18·9	25·1	18·9	18·9
Dacca	13·0	15·6	11·7	14·3					
					Total ...	17·9	17·9	16·3	18·9

It will be seen that last week the highest birth-rate was returned from Burdwan (45·8) and the lowest from Ranaghat (6·0). No births were registered in the Purneah town.

DEATHS.

The total deaths registered during the week under review amounted to 492, and correspond to an annual rate of 23·9 per 1,000 of the population. The rate of the week is 1·9 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	23·0	20·7	21·2	22·2	21·8	22·0	23 9

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

TOWNS.	WEEKS ENDING—				TOWNS.	WEEKS ENDING—			
	23rd May 1891.	30th May 1891.	6th June 1891.	13th June 1891.		23rd May 1891.	30th May 1891.	6th June 1891.	13th June 1891.
Burdwan	22·9	21·4	18·3	41·7	Narainganj	12·4	16·6	4·1	16·6
Midnapore	35·6	26·3	20·1	17·0	Chittagong	21·1	37·6	37·6	25·8
Hughli and Chinsurah	24·6	23·0	13·1	24·6	Comillah	16·4	23·1	46·2	23·1
Serampore	51·0	31·4	25·5	41·2	Patna City	9·4	14·0	15·9	14·3
Utterpara	9·4	9·4	9·4	28·3	Gya	50·6	41·7	44·4	41·0
Howrah	20·6	12·0	21·0	16·6	Arrah	26·3	15·6	21·5	21·5
Bali	14·0	7·0	10·5	7·0	Mozufferpore	13·4	20·7	20·7	26·0
Krishnagar	5·7	18·9	3·8	7·6	Durbhanga	15·7	42·5	22·0	31·5
Ranaghat	6·0	18·0	12·0	12·0	Chupra	26·2	18·1	26·2	20·1
Santipore	3·5	7·0	8·8	5·3	Bhagulpore	22·9	25·9	38·1	45·0
Jessore	18·4	24·5	6·1	6·1	Monghyr	25·3	21·7	20·8	27·1
Rampore Beauleah	13·1	18·4	2·6	36·8	Purneah	17·3	13·9	34·6	6·9
Darjiling	44·5	14·8	44·5	44·5	Poori	23·1	12·6	33·6	14·7
Dacca	20·8	25·3	21·4	18·6					
					Total ...	21·5	22·0	22·9	23·9

According to the figures returned, the highest mortality occurred in the town of Bhagulpore (45·) and the lowest in Santipore (5·3).

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per *mille.*	*Fevers.*	Ratio per *mille.*	*Dysentery and diarrhœa.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Bhagulpore	... 32·0	Darjiling	... 29·6	Burdwan	... 10·7	Scrampore	... 19·6
Gya	... 10·9	Rampore Beauleah	... 26·3			Monghyr	... 14·5
Howrah	... 4·6					Hughli and Chinsurah	... 11·5
Dacca	... 4·5					Burdwan	... 10·7
Durbhanga	... 3·9					Poori	... 10·5
Patna City	... 3·6					Chupra	... 10·1

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 4·8 from cholera, against 4·7 in the preceding week; ·6 from small-pox, against ·7; 8·8 from fever, against 8·1; 2·5 from dysentery and diarrhœa, against the same ratio; ·7 from injury, against ·8; and 6·5 from other causes, against 6·1 in the preceding week.

The mortality of last week according to *Sex, Class* and *Age* was as follows :—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	22·9	Christians	... 14·9	Under 1 year	... 192·8
Females	24·9	Hindus	... 23·9	1 and under 5 years	... 40·4
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	92	Mahomedans	... 24·2	5 „ 10 „	... 15·8
				10 „ 15 „	... 9·1
				15 „ 20 „	... 19·7
				20 „ 30 „	... 12·7
				30 „ 40 „	... 18·2
				40 „ 50 „	... 18·9
				50 „ 60 „	... 19·3
				60 years and upwards	... 41·5

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

The 29*th June* 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 13th June 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of Population per annum.				Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	17	13	*30*	25·9	19·8	*45·8*	139	...	...	13	7	1	7	*28*	...	...	19·8	10·7	1·5	10·7	*42·7*	18·3	10	18	28·8	58·4	49
Midnapore ...	Midnapore ...	16,927	16,633	33,560	8	3	*11*	12·4	4·6	*17·0*	266	...	3	1	2	1	4	*11*	...	4·6	1·5	3·1	1·5	6·2	*17·0*	20·1	5	6	15·4	18·8	82
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	5	13	*18*	8·2	21·3	*29·5*	38	...	...	6	1	1	7	*15*	...	...	9·8	1·6	1·6	11·5	*24·6*	13·1	8	7	26·2	23·0	114
Serampore ...	Serampore ...	13,559	12,937	26,496	5	7	*12*	9·8	13·7	*23·6*	71	2	...	2	5	2	10	*21*	3·9	...	3·9	9·8	3·9	19·6	*41·2*	25·5	11	10	42·2	40·2	105
	Utterpara	3,046	2,464	5,510	1	...	*1*	9·4	...	*9·4*	No female birth.	...	...	...	...	...	3	*3*	...	...	...	...	...	28·3	*28·3*	9·4	3	...	51·2	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	16	14	*30*	9·2	8·0	*17·2*	114	8	...	10	2	2	7	*29*	4·6	...	5·7	1·1	1·1	4·0	*16·6*	24·0	18	11	17·6	15·2	115
	Bali	7,836	6,979	14,815	2	1	*3*	7·0	3·5	*10·5*	200	...	...	...	2	...	..	*2*	...	...	...	7·0	...	...	*7·0*	10·5	1	1	6·6	7·5	88
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	7	1	*8*	13·2	1·9	*15·1*	700	...	...	2	...	1	1	*4*	...	...	3·8	...	1·9	1·9	*7·6*	3·8	2	2	7·8	7·3	106
	Ranaghat	4,028	4,655	8,683	1	...	*1*	6·0	...	*6·0*	No female birth.	...	..	2	...	...	...	*2*	...	...	12·0	...	...	...	*12·0*	12·0	2	...	25·8	...	No female death.
	Santipore	13,708	15,979	29,687	4	2	*6*	7·0	3·5	*10·5*	200	...	...	3	..	...	...	*3*	...	...	5·3	...	...	...	*5·3*	8·8	3	...	11·4	...	Ditto
Jessore ...	Jessore	4,830	3,665	8,495	...	3	*3*	...	18·4	*18·4*	No male birth.	...	...	1	...	...	...	*1*	...	...	6·1	...	...	...	*6·1*	6·1	1	...	10·8	...	Ditto
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	7	9	*16*	18·4	23·6	*42·0*	77	1	...	10	1	...	2	*14*	2·6	...	26·3	2·6	...	5·3	*36·8*	2·6	10	4	48·3	23·0	210
Darjiling ...	Darjiling	4,579	2,439	7,018	...	4	*4*	...	29·6	*29·6*	No male birth.	...	...	4	2	...	...	*6*	...	...	29·6	14·8	...	...	*44·5*	44·5	3	3	34·1	64·0	53
Dacca ...	Dacca	42,782	37,379	80,161	12	10	*22*	7·8	6·5	*14·3*	120	7	...	6	3	...	13	*29*	4·5	...	3·9	1·9	...	8·4	*18·8*	21·4	16	13	19·4	18·1	107
	Narainganj ...	7,605	4,956	12,561	1	1	*2*	4·1	4·1	*8·3*	100	...	...	1	1	...	2	*4*	...	...	4·1	4·1	...	8·3	*16·6*	4·1	2	2	13·7	21·0	65
Chittagong ...	Chittagong ...	13,340	8,790	22,130	6	2	*8*	14·1	4·7	*18·8*	300	...	2	6	...	1	2	*11*	...	4·7	14·1	...	2·3	4·7	*25·8*	37·6	4	7	15·6	41·4	37
Tipperah ...	Comillah	8,153	5,353	13,506	1	2	*3*	3·8	7·7	*11·6*	50	...	...	5	...	...	1	*6*	...	...	19·3	...	...	3·8	*23·1*	46·2	1	5	6·4	46·6	13
Patna	Patna City ...	78,762	81,475	160,237	17	7	*24*	5·5	2·3	*7·8*	243	11	1	17	4	...	11	*44*	3·6	·3	5·5	1·3	...	3·6	*14·3*	15·9	20	24	13·2	15·3	86
Gya	Gya	38,290	37,831	76,121	14	9	*23*	9·6	6·1	*15·7*	155	16	1	28	1	...	14	*60*	10·9	·7	19·1	·7	...	9·6	*41·0*	44·4	30	30	40·7	41·3	99
Shahabad ...	Arrah	20,960	22,505	43,465	7	7	*14*	8·3	8·3	*16·7*	100	3	...	6	4	1	4	*18*	3·5	...	7·2	4·8	1·2	4·8	*21·5*	21·5	9	9	22·3	20·8	107
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	19	8	*27*	23·1	9·7	*32·8*	237	2	1	9	4	3	4	*23*	2·4	1·2	10·9	4·9	3·6	4·9	*28·0*	20·7	13	10	29·3	26·5	110
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	22	16	*38*	17·3	12·6	*29·9*	137	5	2	21	7	...	5	*40*	3·9	1·6	16·5	5·5	...	3·9	*31·5*	22·0	19	21	29·3	33·8	86
Sarun	Chupra	25,116	26,554	51,670	11	7	*18*	11·1	7·0	*18·1*	157	1	3	6	...	...	10	*20*	1·0	3·0	6·0	...	...	10·1	*20·1*	26·2	10	10	20·7	19·6	105
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	15	13	*28*	11·4	9·9	*21·3*	115	43	...	11	...	...	6	*59*	32·0	...	8·4	...	...	4·5	*45·0*	38·1	26	33	38·7	51·5	75
Monghyr ...	Monghyr	28,154	29,366	57,520	15	16	*31*	13·5	14·5	*28·0*	93	...	...	10	4	...	16	*30*	...	...	9·0	3·6	...	14·5	*27·1*	30·8	16	14	29·6	24·8	119
Purneah ...	Purneah	8,463	6,553	15,016	...	...	...	...	...	...	...	...	...	2	...	...	...	*2*	...	...	6·9	...	...	...	*6·9*	34·6	...	2	...	15·9	No male death.
Poori	Poori	13,247	11,537	24,784	5	4	*9*	10·5	8·4	*18·9*	125	...	...	...	1	1	5	*7*	...	...	...	2·1	2·1	10·5	*14·7*	33·6	2	5	7·9	22·5	35
	Total ...	556,262	516,097	10,72,359	218	172	*390*	10·6	8·3	*18·9*	126	98	13	182	51	14	134	*492*	4·8	·6	8·8	2·5	·7	6·5	*23·9*	22·9	245	247	22·9	24·9	92

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	21	7	...	...	...	46·1	35·5	...	...	4	2	2	1	1	5	1	6	2	4	315·2	46·1	44·6	20·7	16·6	32·8	7·5	70·6	42·4	140·4
Midnapore ...	Midnapore ..	1	8	2	...	...	233·2	16·0	14·4	...	...	2	...	1	...	1	3	2	...	...	2	140·0	...	13·9	...	16·5	21·2	18·8	...	...	56·8
Hughli ...	Hughli and Chinsurah	...	13	2	...	...	...	26·7	16·9	...	...	5	2	...	1	...	...	3	1	1	2	323·8	46·9	...	21·0	...	...	27·3	12·5	20·0	50·2
Serampore ...	Serampore ...	...	16	5	...	...	...	33·0	277·2	...	...	3	2	2	...	1	1	2	4	5	1	219·7	57·6	41·4	...	23·8	9·7	20·9	61·6	135·8	37·4
	Utterpara	...	3	...	...	...	...	29·3	...	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...	108·6	...	45·2	49·0	...	...	...
Howrah ...	Howrah	1	20	8	...	...	27·5	15·3	20·3	...	...	9	2	...	...	2	2	5	3	5	1	226·9	13·8	...	...	14·2	4·6	13·5	13·3	47·4	13·9
	Bali	...	2	...	...	...	...	7·8	...	...	...	1	...	...	...	...	...	1	...	...	...	143·6	...	...	...	...	...	18·6	...	...	...
Nuddea ...	Krishnagar ...	...	2	2	...	...	...	5·6	12·6	...	...	...	...	...	...	...	1	3	...	...	...	...	...	...	...	...	10·8	36·4	...	...	...
	Ranaghat	...	2	...	...	...	...	14·2	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	71·8	91·4
	Santipore	...	2	1	...	...	...	5·0	5·8	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	12·0	29·6	...	...
Jessore ...	Jessore	...	...	1	...	...	...	...	13·6	...	...	...	...	1	...	...	...	...	...	...	...	...	...	65·6	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah	...	11	3	...	...	...	57·7	15·9	...	...	3	1	2	...	1	3	2	...	1	1	384·2	36·7	50·0	...	31·3	37·5	28·9	...	41·9	54·0
Darjiling ...	Darjiling	...	5	1	...	...	...	56·6	85·0	...	...	...	1	...	...	...	3	1	1	...	...	...	80·9	...	...	...	78·0	36·3	75·1	...	...
Dacca	Dacca	...	9	20	...	...	...	11·6	26·4	...	...	6	3	1	...	5	4	4	1	3	2	164·4	21·2	5·2	...	35·6	13·6	17·8	6·2	32·9	18·7
	Narainganj ...	...	2	2	...	...	...	16·4	16·9	...	...	...	...	...	...	...	1	1	1	...	1	...	...	...	...	...	19·5	24·3	37·3	...	79·8
Chittagong ...	Chittagong ...	...	1	10	...	...	...	9·0	34·0	...	...	3	3	1	...	...	1	1	1	1	...	277·1	79·3	20·8	...	...	11·2	15·6	23·0	47·9	...
Tipperah ...	Comillah	...	3	3	...	...	...	26·2	21·1	...	...	1	...	...	...	...	...	1	1	1	2	175·1	...	...	...	...	...	26·1	39·6	64·9	158·4
Patna	Patna City ...	...	36	8	...	...	...	15·7	10·2	...	...	6	7	3	3	3	6	4	4	1	7	72·4	24·9	9·3	10·8	14·0	10·8	8·9	11·0	3·7	26·4
Gya	Gya	...	49	11	...	...	...	42·5	35·6	...	...	11	8	6	2	3	7	10	5	1	7	319·6	65·5	44·6	15·5	29·8	24·7	40·8	26·6	7·9	70·7
Shahabad ...	Arrah	...	10	8	...	...	...	16·8	33·5	...	...	4	4	2	...	...	1	1	1	2	3	161·5	46·9	20·3	...	...	6·6	8·1	11·1	33·6	54·1
Mozufferpore ...	Mozuffespore ...	...	19	4	...	...	...	32·9	16·7	...	...	6	4	...	...	2	2	2	3	1	3	326·7	51·5	...	...	34·3	12·1	14·9	31·2	16·9	64·1
Durbhanga ...	Durbhanga ...	...	27	13	...	...	...	29·0	38·5	...	...	5	17	3	1	...	...	4	4	...	6	167·0	116·1	19·9	9·4	...	...	18·6	27·9	...	97·7
Sarun	Chupra	...	16	4	...	...	...	21·0	17·5	...	...	5	4	2	...	2	1	1	2	...	3	184·3	40·3	17·5	...	30·0	5·1	6·7	17·1	...	45·9
Bhagulpore ...	Bhagulpore ...	...	45	14	...	...	...	47·8	38·6	...	...	9	8	6	7	6	7	7	3	4	2	326·1	64·1	44·1	50·1	63·1	27·9	33·2	20·4	41·0	24·2
Monghyr ...	Monghyr	...	23	7	...	...	...	26·7	29·0	...	...	11	4	1	1	3	1	3	2	...	4	385·2	33·4	7·4	9·1	41·3	5·6	17·5	16·3	...	58·0
Purneah ...	Purneah	...	...	2	...	...	...	...	18·4	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	18·2	28·0	...	...
Poori ...	Poori	...	7	...	...	...	...	14·8	...	...	...	1	1	1	...	1	2	...	...	...	1	171·6	28·9	23·2	...	28·0	19·7	...	...	...	28·8
	TOTAL ...	2	352	138	...	...	14·9	23·9	24·2	...	...	95	73	34	17	31	52	62	46	29	53	192·5	40·4	15·8	9·1	19·7	12·7	18·2	18·9	19·3	41·5

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 29th June 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 27th June 1891, as compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 27TH JUNE 1891.			WEEK ENDING SATURDAY, THE 28TH JUNE 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	379	84,160	1,376	167	24,332	304
Jute	24	13,675	181	2	675	12
Firewood	68	34,500	514	35	19,400	297
Other articles	773	2,17,490	3,360	564	1,30,738	1,749
Total ...	1,244	3,49,715	5,431	768	1,75,145	2,362

BENGAL CENTRAL RAILWAY.

Abstract of principal commodities carried over the Bengal Central Railway during the month of March 1891, as compared with the same month of the previous year.

STAPLES.	1891.		1890.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,538	2	4,536	......	2,208	4,536	......	2,328
Cotton piece-goods— 1.—European— a.—In bales and bundles; b.—In boxes; 2.—Indian— a.—In bales and bundles; b.—In boxes	270	......	214	......	270	214	56	......
Grains— 2.—Rice ...	34	109	177	34	143	211	......	68
5.—Others ...	38	311	45	151	349	196	153	......
Hides and skins— 1.—Hides of cattle— a.—Dressed; b.—Undressed; 2.—Skins of sheep, &c.— a.—Dressed; b.—Undressed	......	41	......	11	41	11	30	......
Jute— 1.—Raw— a.—Screwed ...	......	......	......	5	......	5	......	5
b.—Unscrewed ...	......	292	......	118	292	118	174	......
2.—Gunny-bags and cloth ...	16	......	8	......	16	8	8	......
Metals— 1.—Copper, unwrought; 2.—Brass, unwrought; 3.—Brass and copper, wrought; 4.—Iron; 5.—Tin; 6.—Others	48	55	52	29	103	81	22	......
Oils— 2.—Kerosine ...	103	......	81	......	103	81	22	......
3.—Others ...	81	......	132	......	81	132	......	51
Oil-seeds— 1.—Linseed; 2.—Rape and mustard; 3.—Til or gingelly; 4.—Niger; 5.—Castor; 6.—Poppy; 7.—Others	81	6,490	122	961	6,571	1,083	5,488	......
Provisions— 2.—Betelnuts ...	......	928	......	684	928	684	244	......
3.—Others ...	190	29	110	237	219	347	......	128
Railway plant and rolling-stock ...	......	......	74	38	204	112	92	......
Salt ...	230	......	242	......	239	242	......	2
Sugar— 1.—Drained; 2.—Undrained	137	1,354	46	650	1,491	696	795	......
Tobacco ...	51	43	16	24	94	40	54	......
All other articles of merchandise— 1.—Unmanufactured; 2.—Manufactured	1,488	420	324	197	1,908	521	1,387	......
Total ...	4,314	10,074	6,179	3,139	18,360	9,318	8,525	2,583

Comparative statement of the principal commodities carried over the Bengal Central Railway during the month of March 1891.

DECREASE.

Coal ... ... Tons. 2,828 — Due to sufficiency of stocks for railway and flotilla consumption.

INCREASES.

Oil-seeds ... ... Tons. 5,488
Jhikargachi and Nawapara contributed this increase.

Sugar ... ... Tons. 795
The increase was in despatches from Jhikargachi, and was due to an improvement in the Calcutta market.

HARRY STUART,
Examiner of Accounts.

CALCUTTA, *the* 23rd *June* 1891.

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of March 1891, *as compared with the same month of the previous year.*

STAPLES.	1891.		1890.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons	Tons.	Tons.	Tons.	Tons.
Coal	4,175	2,358	12,217	3,396	12,041	15,613	......	3,572
Cotton, raw	61	122	130	462	183	601	......	418
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	2,080	167	1,933	30	2,247	1,992	255	......
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	2,137	5,393	2,249	4,270	7,530	6,519	1,011	......
5.—Others	1,515	11,014	582	12,221	12,529	12,803	......	274
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	1	1,031	2	452	1,032	454	578	... ..
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	......	5,743	......	1,668	5,743	1,668	4,075	......
b.—Unscrewed	4	19,406	9	7,882	19,410	7,891	11,519	......
2.—Gunny-bags and cloth	305	1,594	311	912	1,899	1,223	676	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	929	131	1,112	87	1,060	1,199	......	139
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	1,059	6	299	11	1,065	310	755	......
3.—Others	210	11	310	3	221	313	......	92
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	77	5,372	156	6,889	5,449	7,045	......	1,596
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	143	888	101	683	1,031	784	247	......
3.—Others	660	210	504	441	879	945	......	66
Railway plant and rolling-stock	......	...	2,722	1,927	7,709	4,649	3,120	......
Salt	2,647	8	3,622	5	2,655	3,627	... ..	972
Sugar—								
1.—Drained	1,680	1,270	1,450	1,175	2,950	2,625	325	......
2.—Undrained								
Tea—								
1.—Foreign	......	11	5	82	11	37	......	26
2.—Indian								
Wood—								
1.—Timber	137	103	212	110	240	322	......	83
2.—Firewood	2,048	......	1,759	......	2,048	1,759	289	......
Tobacco	67	1,084	40	741	1,151	781	370	......
All other articles of merchandise—								
1.—Unmanufactured	7,971	2,931	3,782	1,401	10,902	5,183	5,719	......
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Sections) ..	796	......	599	......	796	599	197	......
Total ...	28,703	58,803	34,135	44,807	1,00,841	78,942	29,136	7,237

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of March 1891.

INCREASES.

	Tons.		Tons.
Rice ... ... From the Northern and Behar Section principally.	1,011	Jute, unscrewed ... ... Principally from Goalundo, Haldibari, Domar, Daroani, and Rungpur, due to a favourable market.	11,519
Jute, screwed ... ... Haldibari, Domar, and Rungpur contributed this increase.	4,075		

DECREASES.

	Tons.		Tons.
Coal ... ... Due to adequacy of stocks for Railway and Flotilla use.	3,572	Oil-seeds ... ... This decrease was in despatches from the Behar Section, and is said to have been influenced by the lateness of the season.	1,596

CALCUTTA, *the 24th June* 1891.

HARRY STUART,
Examiner of Accounts.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 20th June 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	323,151	3,10,735 10 0	27,40,481 20	6,65,350 4 0	16,736 5 0	9,92,822 3 0	72,126	111,733	183,85
Or per mile of railway	......	203 11 1	.....	436 2 5	10 15 7	650 13 1	......	......	.....
For previous 23 weeks of half-year	6,652,447	76,00,673 6 0	6,62,49,174 0	1,60,75,447 11 3	5,02,083 1 0	2,41,78,204 2 3	1,740,091½	2,511,435¾	4,251,52
Total for 24 weeks ...	6,975,597	79,11,409 0 0	6,89,89,655 20	1,67,40,797 15 3	5,18,819 6 0	2,51,71,026 5 3	1,812,217½	2,623,168¾	4,435,38
Comparison.									
Total for corresponding week of previous year	305,365	3,00,632 13 11	21,63,142 20	4,82,393 2 1	18,449 10 9	8,01,465 10 9	66,977	58,585	152,56
Per mile of railway corresponding week of previous year ...	......	197 1 2	......	316 3 5	12 1 0	525 0 1	......	......	.....
Total to corresponding date of previous year	6,044,313	71,11,340 6 8	6,31,52,609 0	1,49,20,171 7 7	5,09,376 1 8	2,25,49,887 15 11	1,637,920	2,399,604	4,037,53

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 21st June 1890.			Receipts for week ending 20th June 1891.			Total receipts from 1st April 1890 to 21st June 1890.			Total receipts from 1st April 1891 to 20th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,525½	8,01,466	525	1,525½	9,92,822	651	1,525½	1,03,88,187	567	1,525½	1,23,25,130	673	19,36,943	......

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 20th June 1891, on 57⅛ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,395	5,730 8 0	45,018 30	2,843 0 0	46 0 0	8,630 8 0	760	736	1,496
Or per mile of railway	217	100 8 6	787 10	49 11 3	0 12 11	151 0 8	......	......	......
For previous 23 weeks of half-year	394,445	2,16,900 14 0	11,83,270 30	81,394 5 0	1,364 9 0	2,99,659 12 0	37,844¼	18,595	56,439¼
Total for 24 weeks ...	406,840	2,22,651 6 0	12,28,289 20	84,237 5 0	1,410 9 0	3,08,299 4 0	38,604¼	19,331	57,935¼
Comparison.									
Total for corresponding week of previous year	14,133½	6,614 9 0	33,556 0	2,144 7 0	38 3 0	8,707 8 9	995	1,221	2,216
Per mile of railway corresponding week of previous year ...	247	115 10 4	586 30	37 7 10	0 10 8	153 12 10	......	......	......
Total to corresponding date of previous year	340,114½	1,67,228 4 6	12,09,095 30	77,455 10 0	1,109 3 0	2,45,793 1 6	38,561	19,887	58,448

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 21st June 1890.			Receipts for week ending 20th June 1891.			Total receipts from 1st April 1890 to 21st June 1890.			Total receipts from 1st April 1891 to 20th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57⅛	4,798	154	57⅛	8,640	151	57⅛	1,09,111	159	57⅛	1,27,616	186	18,505	......

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 20th June 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	22,866	5,767 13 0	7,733 10	270 2 0	13 0 0	6,050 15 0	877	91	968
Or per mile of railway	......	259 3 8	......	12 2 3	0 9 4	271 15 3	......	......	......
For previous 23 weeks of half-year	571,357	1,62,227 0 0	3,14,393 20	10,893 12 3	253 8 0	1,63,374 10 3	21,617	2,341	23,958
Total for 24 weeks ...	594,223	1,67,995 3 0	3,22,126 30	11,163 14 3	266 8 0	1,69,425 9 3	22,494	2,432	24,926
Comparison.									
Total for corresponding week of previous year	21,050½	5,376 11 8	8,237 30	310 10 0	6 10 0	5,693 15 8	906	62	968
Per mile of railway corresponding week of previous year ...	......	241 10 5	......	13 15 5	0 4 9	255 14 7	......	......	......
Total to corresponding date of previous year	561,044	1,47,313 0 3	3,82,521 30	11,760 13 0	225 13 6	1,59,299 10 9	22,040	2,700	24,740

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 21st June 1890.			Receipts for week ending 20th June 1891.			Total receipts from 1st April 1890 to 21st June 1890.			Total receipts from 1st April 1891 to 20th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22¼	5,694	256	22¼	6,051	272	22¼	70,305	286	22¼	70,559	287	254	......

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 20th June 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,650	11,140 0 0	47,052 20	9,271 14 0	42 0 0	20,453 14 0	6,792	1,215½	8,007½
Or per mile of railway	......	68 12 3	......	57 3 9	0 4 2	126 4 2	......	......	......
For previous 15 weeks of half-year	245,118	1,95,637 6 0	5,24,984 20	1,10,104 5 3	1,161 0 0	3,06,902 11 3	100,308	28,108	128,416
Total for 16 weeks ...	263,768	2,06,777 6 0	5,72,037 0	1,19,376 3 3	1,203 0 0	3,27,356 9 3	107,100	29,323½	136,423½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

Approximate Statement of gross receipts of the Delhi-Umballa-Kalka Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 189 .			Receipts for week ending 20th June 1891.			Total receipts from 1st April 188 to 189 .			Total receipts from 1st April 1891 to 20th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
...	......	...	162	20,454	126	...	......	...	162	2,36,418	122	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 20th June 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	168,739	84,850 0 0	4,29,344 0	80,640 0 0	10,800 0 0	1,76,380 0 0	27,152	27,010	54,162
Or per mile of railway	217	109 0 0	553 0	104 0 0	† 2 0 0	215 0 0	......	......	......
For previous 24 weeks of half-year*	4,275,367	23,67,483 0 0	1,54,93,993 0	27,93,445 0 0	5,47,330 0 0	57,08,263 0 0	629,496	849,887	1,479,383
Total for 25 weeks ...	4,444,106	24,52,333 0 0	1,59,23,337 0	28,74,085 0 0	5,58,229 0 0	58,84,648 0 0	656,648	876,897	1,533,545
Comparison.									
Total for corresponding week of previous year	179,580	78,961 0 0	5,00,853 0	89,051 0 0	15,007 0 0	1,83,919 0 0	24,080	28,808	52,888
Per mile of railway corresponding period of previous year ...	235	103 0 0	604 0	117 0 0	† 3 0 0	223 0 0	......	......	......
Total to corresponding date of previous year	3,836,974	18,63,762 0 0	1,41,26,712 0	25,14,745 0 0	4,80,385 0 0	48,58,892 0 0	594,159	762,624	1,356,783

* Audited up to week ending 9th May 1891.
† Excluding steamer earning

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 20th June 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	33,218	16,040 0 0	40,166 0	2,750 0 0	40 0 0	18,830 0 0	3,800	1,872	5,672
Or per mile of railway	266	128 0 0	321 0	22 0 0	1 0 0	151 0 0	......	......	......
For previous 24 weeks of half-year*	707,156	2,97,298 0 0	15,86,979 0	95,110 0 0	1,584 0 0	3,93,992 0 0	82,543	52,207	134,750
Total for 25 weeks ...	740,374	3,13,338 0 0	16,27,145 0	97,860 0 0	1,624 0 0	4,12,822 0 0	86,343	54,079	140,422
Comparison.									
Total for corresponding week of previous year	27,850	10,289 0 0	42,993 0	2,650 0 0	34 0 0	12,973 0 0	3,661	2,011	5,672
Per mile of railway corresponding period of previous year ...	223	83 0 0	344 0	21 0 0	......	104 0 0	......	......	......
Total to corresponding date of previous year	691,220	2,46,199 0 0	12,56,721 0	73,774 0 0	1,546 0 0	3,21,519 0 0	90,055	49,506	139,561

* Audited up to week ending 9th May 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 20th June 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,031	5,440 0 0	11,488 0	1,080 0 0	50 0 0	6,570 0 0	2,415	689	3,104
Or per mile of railway	198	63 0 0	134 0	12 0 0	1 0 0	76 0 0	......	......	......
For previous 24 weeks of half-year*	427,576	1,44,566 0 0	6,30,039 0	55,896 0 0	4,887 0 0	2,05,349 0 0	57,943	25,649	83,592
Total for 25 weeks ...	444,607	1,50,006 0 0	6,41,527 0	56,976 0 0	4,937 0 0	2,11,919 0 0	60,358	26,338	86,696
Comparison.									
Total for corresponding week of previous year	19,542	5,346 0 0	16,444 0	1,192 0 0	476 0 0	7,014 0 0	2,455	695	3,150
Per mile of railway corresponding period of previous year	227	62 0 0	191 0	14 0 0	5 0 0	81 0 0	......	......	......
Total to corresponding date of previous year	431,030	1,30,349 0 0	5,65,355 0	52,341 0 0	4,089 0 0	1,87,879 0 0	59,920	19,890	79,810

* Audited up to week ending 9th May 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 20th June 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,750	1,840 0 0	15,570 0	810 0 0	20 0 0	2,670 0 0	527	400	927
Or per mile of railway	174	67 0 0	571 0	30 0 0	1 0 0	98 0 0	......	......	......
For previous 24 weeks of half-year*	85,048	31,650 0 0	2,40,375 0	12,871 0 0	674 0 0	45,195 0 0	12,529	10,956	23,485
Total for 25 weeks ...	89,798	33,490 0 0	2,55,945 0	13,681 0 0	694 0 0	47,865 0 0	13,056	11,356	24,412
Comparison.									
Total for corresponding week of previous year	5,232	1,933 0 0	13,152 0	810 0 0	13 0 0	2,756 0 0	542	493	1,035
Per mile of railway corresponding period of previous year ...	192	71 0 0	483 0	30 0 0	......	101 0 0	......	......	......
Total to corresponding date of previous year	86,896	31,691 0 0	2,93,072 0	17,987 0 0	2,224 0 0	51,902 0 0	13,498	11,267	24,765

* Audited up to week ending 9th March 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 13th June 1891, on 712 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 712 miles open	89,050	41,390	3,81,160	51,880	10,860	1,03,540	13,301	18,630	31,931
Or per mile of railway	125·07	58·01	535·34	72·16	15·25	145·12	......	......	......
For previous 22¾ weeks of half-year (includes audited figures up to 28th March 1891)	2,158,564	9,08,978	98,46,454	13,33,045	2,08,644	24,50,667	283,402	410,840	694,242
Total for 23¾ weeks ...	2,247,614	9,50,278	1,02,27,614	13,84,425	2,19,504	25,54,207	296,703	429,470	726,173
Comparison.									
Total for corresponding week of previous year on 649 miles open	87,397	34,410	*b* 3,48,644	41,819	10,315	86,574	9,580	18,320	27,900
Per mile of corresponding week of previous year	134·66	53·07	537·20	64·44	15·89	133·40	......	......	......
Total to corresponding date of previous year	2,100,472	8,81,811	*b* 87,40,628	12,72,873	2,07,180	23,62,164	230,977	433,635	664,612

b Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 13th June 1891.	Week ending 14th June 1890.	Week ending 13th June 1891.	Week ending 14th June 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	18,920 0 0	19,632 0 0	22,380 0 0	14,808 0 0
Goods	30,670 0 0	17,814 0 0	20,710 0 0	24,005 0
Other earnings	6,370 0 0	6,972 0 0	4,190 0 0	3,34
Total ...	55,960 0 0	44,418 0 0	47,580 0 0	42,856 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 6th June 1891	11,736
Corresponding period of 1890	13,175
Decrease	1,439
	Rs. A. P.
Receipts per mile for week ending 6th June 1891	230 1 11
Corresponding period of 1890	258 5 6
Decrease	28 3 7
Receipts from 1st January to 6th June 1891	2,34,737
Corresponding period of 1890	2,33,730
Increase	1,007

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.
Approximate earnings for week ending 13th June 1891	11,534
Corresponding period of 1890	11,186
Increase	348

	Rs. A. P.
Receipts per mile for week ending 13th June 1891	226 2 6
Corresponding period of 1890	219 5 5
Increase	6 13 1

Receipts from 1st January to 13th June 1891	2,46,271
Corresponding period of 1890	2,44,917
Increase	1,354

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SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 8, 1891.

OFFICIAL PAPERS.

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CONTENTS.

RESOLUTION ON THE INLAND EMIGRATION REPORT FOR THE YEAR 1890.

GENERAL DEPARTMENT—INLAND EMIGRATION.

Darjeeling, the 29th June 1891.

RESOLUTION.

READ—

The Report of the Superintendent of Emigration, Calcutta, on Inland Emigration for the year 1890.

Administrative.

During the year under report new rules have been added to those already existing under both Act I of 1882 and Act I (B.C.) of 1889, providing for proper notice of despatch of coolies being given beforehand to the Railway authorities, for special accommodation either in third class carriages or in suitable wagons, for provision of food and water on the journey and treatment of any cholera cases that may occur. It was also declared by rule that all coolies despatched direct from the up-country recruiting districts should be sent *viâ* the Hughli-Naihati route. The depôts used for free coolies in Calcutta have been declared liable to inspection by the Superintendent, and agents forwarding free coolies *viâ* Goalundo have been required to place them before the Medical Officer at that station for inspection before embarkation. With regard to this latter provision, His Honour the Lieutenant-Governor, who made a personal inspection of the emigration arrangements at Goalundo in February last, observed that no

arrangements had apparently been made up to that time for carrying out the new rule which was notified on the 23rd December 1890. He desired that the rule may be carried out at once and presumes that it is now in force.

Under the provisions of Act I of 1882, penalties were also prescribed during the year for breaches of the rules laid down under that Act.

Recruitment.

2. There has been no change during the year among the licensed contractors who have remained five in number. As in the previous year, one sub-contractor was licensed, but he did not prove successful, and his operations were soon abandoned. The number of licenses granted to contractors' recruiters fell from 82 to 52, but the number of coolies recruited by them rose nevertheless, according to the figures shown, from 1,835 to 5,069, giving a rise in the average per recruiter from 22 to 97. The areas to which each of the recruiters confined his operations are not stated, but the great preponderance of registrations in the two districts of the 24-Pergunnahs and Burdwan alone (viz. 4,176 out of a total of 5,069) causes a strong presumption that large numbers of coolies find their way to the contractors otherwise than through their licensed recruiters. The figure 97, therefore, as representing the average of each recruiter's work, is probably misleading.

3. A peculiar feature of the year has been the grant of four licenses, under section 62 of Act I of 1882, permitting local agents to engage on behalf of specified employers, but without the intervention of garden-sardars. This system of recruitment, which had not been tried before, is said to have worked satisfactorily and resulted in the registration of 596 emigrants. Both the application of this section of the Act and the fact of an increase in the number of garden-sardars working under local agents, although there was a decrease in the total number of sardars certificated, point to a greater indisposition on the part of the employers to let their garden-sardars work without local supervision.

4. Recruitment of female emigrants, either by female recruiters or by certificated garden-sardarnis, was, as in previous years, purely nominal.

5. Of the contractors' coolies, no less than 88 per cent. were registered in the 24-Pergunnahs district, while the garden-sardars' coolies were mostly drawn from the districts of Lohardagga, Hazaribagh and Manbhum.

Transport.

6. Emigrants recruited by contractors were as usual all forwarded to their destination *viâ* the Calcutta depôts and Goalundo. Of the sardari coolies 6,752, out of the 12,382 recruited, were despatched from Goalundo, showing an increase of 5,344 as against the number of sardari coolies despatched by that route in the previous year. Of these, 4,034 were despatched to Assam against 908 in 1889. The figures indicate a growing preference for the Goalundo route to the Assam valley over that *viâ* Dhubri. Of the total of 11,042 emigrants of both kinds sent from Goalundo, 7,629 went to Assam and 3,413 to Sylhet and Cachar.

7. The Calcutta depôts are well reported of by the Medical Inspector as regards both their conservancy and the treatment of the emigrants in them. In one depôt tank-water was, at the time the report was submitted, being still used for bathing purposes, but was about to give place to water from the municipal supply. It should be seen whether this reform has been carried out.

8. The admissions into hospital show an increase from 44 in the last year to 287, which is explained as the result of many trivial ailments being shown which had not been entered in previous years. The percentage of deaths calculated on hospital admissions, which was only 1·3 against 11·3 in the previous year, appears to show that the explanation is correct. The total number of deaths amounted to 4 only. Of the 287 admissions, 152 were due to fever, 44 to diarrhœa, 15 to dysentery, and one to cholera. The list of depôt casualties shows a decrease of desertions from 91 to 84 compared with the year 1889, and an increase of discharges from 117 to 399, of which latter number 275 were discharged at their own request.

9. With regard to the despatch of emigrants to Sylhet and Cachar, it is satisfactory to find that the employment of country-boats has now almost entirely given way to transport by steamer; only 138 emigrants were conveyed in seven country boats, while 3,275 were conveyed by steamer in 210 trips. The great breadth of the river at Goalundo makes it impossible to exercise any

supervision there over country boats, if any come down the Ganges past Goalundo and thence on to Sylhet or Cachar.

10. The improvement in the return of way-bills of sardari emigrants, especially those despatched to Sylhet and Cachar, and of way-bills of contractors' coolies embarked at Goalundo, is noticed with satisfaction; but a large number of the way-bills of coolies despatched *viâ* Dhubri are not returned from the garden of destination, and the Lieutenant-Governor desires that this matter may be carefully enquired into. The Superintendent should report to the Assam Government the names of the gardens from which way-bills are not returned.

11. The numbers of free emigration coolies are obtained by the Superintendent from the Embarkation Agent at Dhubri and the Deputy Commissioners of Cachar and Sylhet. The figures supplied for the year under report are as follows:—

Free emigrants.

Despatched from Dhubri for Assam	11,807
Arrived in Cachar	2,041
Do. in Sylhet	7,404
Total ...	21,252

as against 44,401 in the previous year.

The Lieutenant-Governor is not inclined to accept unreservedly the deduction drawn by the Superintendent that the system of free emigration is fast losing ground. The real grounds for the change in the relative proportions will probably be disclosed when the Assam Government publishes its report.

12. The question of leaving the duties of Embarkation Agent at Goalundo in the hands of the Sub divisional Officer of that station, who lives five miles distant and is frequently obliged to be absent on tour in the discharge of his other duties, is at present under the consideration of the Lieutenant-Governor.

13. The thanks of Government are due to Surgeon-Major D. W. D Comins for the efficient manner in which he performed the duties of Superintendent of Emigration throughout the greater part of the year, and also to Brigade-Surgeon R. C. Chandra for his services as Medical Inspector of Emigrants.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT OF THE SANITARY COMMISSIONER, BENGAL, FOR THE YEAR 1890.

MUNICIPAL DEPARTMENT—SANITATION.

Darjeeling, the 30th June 1891.

RESOLUTION.

READ—

The Report of the Sanitary Commissioner, Bengal, for the year 1890.

The Report has been drawn up by Dr. Gregg, who held charge of the office of Sanitary Commissioner throughout the year It was submitted on the 23rd May; but the tabular statements attached to it appear to have been completed on the 12th February, about a fortnight before the recent Census was taken. All calculations, therefore, having reference to statistics of population are based upon the obsolete figures of the Census of 1881, and must be read subject to the reservation that everywhere, except in the five districts noted in the margin, the population has increased in a ratio varying from 43·72 per cent. in Darjeeling to 0·54 per cent. in the 24-Pergunnahs, the average proportion of increase for Bengal as a whole, excluding Feudatory States, being 6·49.

DISTRICT.		Decrease per cent.
Rajshahi	...	1·92
Rangpur	...	1·34
Burdwan	...	0·06
Birbhum	...	0·06
Nadiya	...	18·74

Births.

2. Births were registered during the year in 142 municipalities with an aggregate population of 2,489,687 according to the Census of 1881. The total number of births recorded was 53,633, giving a birth-rate of 21·54 per thousand as compared with 22·76 per thousand in 1889. Comparing this birth-rate with the recorded death-rate of the year, the singular result is arrived at that, while the Census shows the population of Bengal to have increased during the last ten years by more than sixty per thousand, the municipal birth statistics prove it to be decreasing at the rate of nearly three per thousand. But although the recorded birth-rate is clearly too low, an exact measure of the degree of error is not easy to find. The statistics of births in England, though hardly suited to serve as a final test of the correct birth-rate in Bengal, may fix a probable minimum limit below which the rate cannot be expected to fall. The registration of births was commenced in England in 1837, and was rendered compulsory in 1875. In 1838, the first year for which a complete record exists, the birth-rate was only 30·3 per thousand. From that year it rose by irregular steps, interrupted by occasional falls, to a maximum of 36·3 in 1876; and since then it has fallen steadily, with one trifling exception, to 30·6 in 1888.* The mean for the period of fifty-one years is 33·89. Statistics show that in Europe the birth-rate varies more or less regularly with the marriage-rate, and depends mainly upon the proportion of the population living between the ages of 20 and 40. In Bengal the marriage rate is unknown, at any rate in the precise sense in which that term is used by European statisticians; but the proportion of married persons to the total population was shown in the Census Report of 1881 to be 49·15, while the corresponding figure for the United Kingdom and France taken together was only 34. Again, not only do more marriages take place in Bengal than in Europe, but people marry younger; so that, even if women cease to be fertile somewhat sooner, the reproductive period is probably several years longer than in Europe. A considerably higher birth-rate may therefore be looked for, and the Sanitary Commissioner is probably not far wrong when he estimates the normal birth-rate for these provinces at something over 40 per thousand.

* *Studies in Statistics*: by G. B. Longstaff. London, 1891.

3. Out of the 142 municipalities which profess to register births, only seven* reach this standard, and only 29 show a birth-rate equalling or exceeding the birth-rate of England and Wales in 1888. These results are accepted by the Sanitary Commissioner as approximately correct; 55 municipalities, returning birth-rates varying from 29·43 to 20·03, are held to have done moderately well in the matter of birth registration; while in 58

* Madhubani ...	...	53·89
Jamalpur ...	...	43·50
Pubna ...	...	42·90
Maheshpur ...	...	41·86
Sonamukhi ...	...	40·42
Pirozpur ...	...	40·28
Sitamarhi ...	...	40·00

municipalities, or 40 per cent. of the entire number concerned, the results are spoken of as very defective. In the following 19 municipalities the birth-rate is so absurdly low that it is clear not the smallest attention can have been paid to the work of registration:—

	Towns.	Ratio per 1,000 of population.
1.	Jungipur	1·57
2.	Loharduggа	2·98
3.	Chagdah	3·44
4.	Jhalakati	3·72
5.	Kandi	3·84
6.	Nalchiti	3·92
7.	Barisal	5·23
8.	Sudharam	5·46
9.	Taki	5·85
10.	Bazitpur	6·24
11.	Nobodip or Nuddea	6·38
12.	Gobardanga	7·47
13.	Baduria	7·62
14.	Satkhira	8·12
15.	Nassirabad	9·15
16.	Barasot	9·30
17.	South Suburban	9·44
18.	Muktagacha	9·54
19.	Kulna	9·90

Excluding physiological causes tending to affect the number of births, which, though referred to by the Sanitary Commissioner, may for practical purposes be disregarded, it is obvious that the abnormally low birth-rates shown in this statement must be due to two causes—the preponderance of the male over the female population reducing the actual number of births, and defective registration reducing the number reported. By way of illustrating the operation of the former factor, the Sanitary Commissioner observes that in most of the towns which have a larger male than female population the deaths exceed the births, while in most of those where females preponderate, the births exceed the deaths. The report, however, omits to supply the statistics requisite to test this statement, which, if correct, would tell rather in favour of the relative accuracy of the birth and death statistics. It is, however, in the highest degree improbable that the disproportion of the sexes can anywhere be pronounced enough to account for the very low birth-rates referred to above. It may further be observed that, with one exception, all of these towns are situated in Bengal Proper, and most of them are known to contain a large proportion of people of the respectable and educated classes, who might have been expected to desire to have the births of their children officially recorded, and who at any rate cannot plead ignorance of their obligations under the law, or of the requirements of sound municipal administration. The Sanitary Commissioner should visit in person or by deputy some of the towns in which registration is peculiarly defective, and should endeavour, by holding a house-to-house inspection, to ascertain in a certain number of test cases whether the births of children apparently under one year at the time of his visit have actually been registered. He should at the same time ascertain and report what measures are taken to secure accurate registration, stating in whose charge this branch of the municipal work is placed, and whether any of the Commissioners personally examine the registers of births and test it by their knowledge of the residents and their families. A statement of the number of prosecutions instituted in each municipality for neglecting to report or give information of births should also be given in future reports.

Births according to sex.

4. The male births numbered 28,333 and the female births 25,300, being 111·9 male births to every 100 female births. The proportion of male to female births in the previous year was 112·6. In discussing this disparity Dr. Gregg makes no mention of the obvious probability that the record of female births is even more faulty than that of male births. He refers to the opinion held by certain European authorities that the proportion of male to female births increases as the age of the husband exceeds that of the wife, and goes on to observe that "as the difference in the relative age of husbands and wives is greater in India than

in England, the proportion of male to female births should also be greater, although the actual proportion cannot yet be determined." In Europe the accepted ratio of male to female births is 106 of the former to 100 of the latter; but the excess of male births varies in different countries, and from time to time in the same country. Thus in England forty years ago the proportion of male to female births was 105·3 per cent., but now the number is only 103·9*; while in Sweden the excess of male births is 4 6 per cent., and in Russia nearly 9 per cent. Owing, however, to the greater mortality of male infants in the first year of life, to the fact that after the thirty-fifth year females die less rapidly than males, the difference in their favour increasing with age, and also to the emigration of men on a large scale, the proportion of females to males in England in 1881 was 105·5, the actual excess being 694,635. In Bengal, with a higher recorded ratio of male births and proportionately far less emigration, the figures of the last Census show in British territory an excess of females amounting to 229,380, a state of things which seems to point to the conclusion that the great excess of male births appearing in the returns is largely due to the omission to register the births of female infants. And in any case it may be doubted whether the statistics of birth registration have been collected on a large enough scale or for a sufficient length of time to serve as the basis for any valid deductions.

* Longstaff *Studies in Statistics*, page 249.

Deaths.

5. In 1890 the total number of deaths registered throughout the Lower Provinces in rural areas as well as in towns was 1,612,479 as compared with 1,597,478 in 1889, the death-rate per thousand calculated on the Census population of 1881 being 24·48 against 24·25. The mean death-rate of England and Wales for the fifty-one years 1838–1888 was 21·65, the maximum reached during that period being 25·1 in 1849, the cholera year. But in this regard no comparison can fairly be made between the life conditions of India and England, and the proper test of the Bengal death-rate must be sought in the recorded death-rates of other provinces, as shown in the following table:—

PROVINCES.	DEATH-RATE PER 1,000 OF POPULATON.				
	1886.	1887.	1888.	1889.	Mean of four years.
Bengal	21·99	23·46	21·94	24·25	23·16
Madras	19·7	22·6	21·4	23·5	21·6
Bombay	23·17	27·67	28·44	31·51	27·70
North-Western Provinces ...	33·27	35·86	30·08	31·11	32·58
Punjab	26·60	34·31	39 89	31·62	30·60
Central Provinces ...	33·24	32·70	28·70	43·79	34·61

N. B.—The above ratios are all calculated on the basis of the Census figures of 1881.

It is reasonable to suppose that the normal death-rate in Bengal must be somewhat higher than in the North-Western Provinces, where the climate is more healthy and the people show a finer physique; while the mean death-rate of the Central Provinces, where much attention is believed to have been given to the subject of registration, corresponds pretty closely to the rate of 33 or 34 per mille which is assumed as the probable death-rate of Bengal in the Census Report of 1881.† Applying the higher rate of 34 per thousand to the population of Bengal (excluding Calcutta, which is not under the Sanitary Commissioner, and the Chittagong Hill Tracts, where vital statistics are not registered) as recorded at the recent Census, the number of deaths in the past year would amount to 2,384,313, or 771,834 in excess of the number actually registered. The latter figure may be taken as an approximate measure of the extent to which the registration of deaths in Bengal understates the actual mortality.

† Volume I, page 65.

Death-rate in different districts.

6. An examination of the table given in the report, comparing the rates of mortality in rural and urban areas, shows that only one district, the Sonthal Pergunnahs, returned a death-rate below 15 per thousand, while Darjeeling returned 40·08, Jalpaiguri 33·50, and Noakhally 33·24, figures which probably represent a close approximation to the truth. In the following Municipalities the recorded death-

rate is below 15 per thousand, and the work of registration appears to be neglected :—

District		Municipality		Rate
Nuddea ...	...	Kumercolly	... ...	14·56
Khulna ...	...	Satkhira	... ...	14·41
Patna ...	...	Dinapore	... ...	14·20
24-Pergunnahs	...	Maniktola	... ...	13·99*
Lohardugga	...	Ranchi	... ...	13·93
Manbhoom	...	Jhaldah	... ...	13·07
Bankura ...	...	Bissonpur	... ...	12·67
Nuddea ...	...	Nuddea	... ...	12·33
Murshedabad	...	Jungipore	... ...	12·17
Mymensing ...	...	Bazitpore	... ...	11·85
Nuddea ...	...	Santipore	... ...	11·21
24-Pergunnahs	... {	Bhaduria	... ...	10·97
		Taki	... ...	10·93
Backerganj ...	...	Jhalakati	... ...	10·42
Nuddea ...	...	Kishnagore	... ...	10·37
Mymensing	...	Tangail	... ...	9·98
Noakhali ...	...	Nalchiti	... ...	9·28
Backerganj	...	Kishoreganj	... ...	9·22
Mymensing	...	Sudharam	... ...	9·17
Nuddea ...	... {	Meherpore	... ...	9·07
		Chagda	... ...	7·89
Lohardugga	...	Lohardugga	... ...	6·49

Three years ago, in a circular addressed to Commissioners of Divisions, the Lieutenant-Governor drew attention to the fact that in 51 municipalities out of 64 for which the figures were examined, the registration of deaths during 1887 showed a serious falling off when compared with the mean of the previous five years during which registration had been conducted by the police. Since then some improvement has taken place, but hardly so much as might reasonably have been looked for, and it is evident that much still remains to be done. The Sanitary Commissioner should now take steps, through the district authorities, to bring home to the Commissioners of the municipalities mentioned above the necessity of paying more attention to this branch of their duties, and should utilise every opportunity that may offer on his tours of inspection of testing the registration in municipalities where the death-rate is unreasonably low, and of ascertaining whether proper arrangements are made for reporting deaths and maintaining the prescribed registers. The instructions given on this point in the circular of 8th July 1890, printed in Appendix V, are too vague to be of any practical use. In administrative matters of this sort, and more especially in dealing with local authorities who have no special executive experience, it is above all things necessary to enter into detail, and specify precisely what should be done, and by whom, in order to bring about a particular result. The measures prescribed in Dr. Gregg's report of his inspection of the Dinajpur Municipality seem to be well adapted to secure effective registration, and if similar suggestions were made to all municipalities in Bengal, they would doubtless be largely adopted.

Infant mortality.

7. In the Resolution on the Sanitary Commissioner's Report for 1889, attention was drawn to the statistics of infant mortality in Bengal; it was pointed out that the registration in the mofussil of the deaths of infants, particularly of female infants, was extremely defective, and the Sanitary Commissioner was asked to examine the figures in future reports and to compare them with those of admitted accuracy in Europe. The mean death-rate in England of infants under one year of age for the ten years 1871—80 is given in the work already referred to as 177·3 per thousand, and that of children between the ages of one and five as 31·2. The corresponding figures for the past year in Bengal are 169·08 and 26·78. It has already been shown that the returns of general mortality are considerably below the truth, and it is reasonable to suppose that the statistics of infant mortality must be at least equally defective. This conclusion is further borne out by the fact that during 1889, the last year for which complete figures are available, the death-rate of infants in Calcutta was 313·4, and that of children between one and five 52·2 per thousand. After full allowance has been made for the unhealthy conditions of infant life in the Calcutta bazars, there can still be no room for doubt that the registration of infant mortality in the mofussil is very

imperfect. The Sanitary Commissioner indeed admits that this is the case, but he seems to think that the duties of his Department are limited to "impressing upon the local authorities and the people themselves the importance of the subject." The Lieutenant-Governor has not much faith in the value of these general exhortations. The Sanitary Department can do more than this, and must do it if sanitary work in Bengal is to be carried on effectively. The Sanitary Officers must make it their business to look into the details of registration whenever opportunity offers, and to see how and by whom they are neglected.

Its causes.

8. Among the causes of the high infant mortality which there is reason to believe must prevail in Bengal, Dr. Gregg refers to the insanitary conditions prevalent in large towns, to the tropical climate, the prevalence of malaria, and deficient or improper clothing and food, and lays special stress on "the fact that the infants of Bengal are the produce, in an enormous number of instances, of women who are themselves but undeveloped children, whose offspring are not remarkable for stamina or for a constitutional power of resistance to the causes of disease to which they are peculiarly liable." He seems, however, to make rather too much of the influence of town life upon mortality. According to the Census of 1881 only 5·26 per cent. of the population of Bengal was returned as living in towns, while the urban population in England and Wales is 66·6 per cent., in France 31·06, and in America 22·5 per cent. It seems probable, too, that in his comparison between infant mortality in England and India, he has omitted to take sufficient account of the comparative immunity of children brought up in warm climates from bronchial ailments, such as croup, bronchitis, diphtheria, &c., which cause so many deaths among children in Europe.

Cholera.

9. During the past year 145,885 deaths from cholera were registered, showing a death-rate of 2·21 per thousand on the population of 1881, and of 2·07 on the figures of the preliminary report of the recent Census. In 1889 the deaths from this cause numbered 171,103, and the death-rate was 2·59 per thousand. The diagrams and small maps given in the report illustrate clearly the seasonal incidence of cholera throughout Bengal and in the main divisions of the province, and its distribution in relation to the rainfall and the character of the soil. The four diagrams of the seasonal incidence of cholera in Bengal proper, Behar, Orissa, and Chota Nagpur should, however, have been drawn to the same vertical scale; and the map showing the distribution of cholera by registering stations is too large for convenient reference. The highest death-rates from cholera occurred in Faridpur (8·40), Chumparun (5·99), Bhagulpur (5·18), and Dacca (4·31), but nowhere did the rate of mortality rise as high as in 1889, when Puri returned a death-rate of 21·01 per thousand, while Balasore showed 13·74, Purneah 9·60, and Cuttack 8·29. No particulars are given of the outbreak in Faridpur or Dacca, and comparatively little is said about the increase of the disease in the districts of Bhagulpur and Chumparun. In the station of Bhagulpur the supply of filtered water is believed to have reduced the mortality from cholera, and it is stated that improvements are being carried out under the orders of the Board of Revenue in the town of Bettiah, where most of the cholera deaths registered in Chumparun seem to have occurred. It is curious to observe that the mortality from cholera during December (27,849) was the highest recorded in that month during the last seventeen years, with the single exception of 1876, when it reached 46,534 December is not usually a bad month for cholera, and the large number of deaths recorded is attributed by the Sanitary Commissioner to the unusual floods having "left the soil moist and unabsorbent longer than usual."

Small-pox.

10. The number of deaths from small-pox rose from 8,665 in 1889 to 12,619 in the year under review. Puri, Chumparum, Midnapur, and Patna show the highest rates of mortality, and in each of these cases the outbreak is attributed to the practice of inoculation. It is claimed for the Eastern Bengal Circle, where the small-pox mortality of the year was low, that, notwithstanding some local opposition, the people must have been well protected by vaccination; but the recent outbreak at Chittagong, which showed that in a large proportion of

cases vaccination had been imperfectly performed, throws grave doubt upon the correctness of this view.

Fever.

11. The deaths from fever during 1890 numbered 1,155,569 as compared with 1,101,521 in 1889, representing a death-rate of 17·54 per thousand on the population recorded in 1881, or of 16·45 on the preliminary returns of the recent Census, against 16·72 or 15·68 in the previous year. The fourteen districts noted in the margin showed the highest death-rate. In the deltaic districts of Noakhali, Jessore, Rajshahi, Dinajpur, Khulna, Pubna, Rungpur, and Bogra the chronic prevalence of fever is put down to the water-logged condition of the country and to the existence of stagnant pools and marshes in the low levels between the river channels. The unhealthiness of Julpaiguri is due to the malarial belt of country known as the Terai and the Duars; the fever in Darjeeling was really influenza; while in Gya and Shahabad the local officers attribute the prevalence of malaria to the influence of canal irrigation. In the case of Hazaribagh and Monghyr, both believed to be healthy districts in ordinary years, no explanation of the high fever mortality is offered. In the Resolution on the report of 1889, is was observed that the province of Orissa was remarkable for the comparative absence of fever, and that the district of Puri, in other respects the most unhealthy district of Bengal, showed the smallest fever mortality. Dr. Gregg now explains that in the hilly country in the north of the district, and the sandy tract which drains towards the sea and the Chilka lake, the natural drainage is rapid, and the mortality from fever small. The low death-rate recorded in these rural circles counterbalances the high mortality (21·10 per thousand) registered in Puri town, and reduces the general rate for the district.

Julpaiguri	31·39
Darjeeling	29·33
Noakhali	27·07
Jessore	26·29
Rajshahi	25·55
Dinajpur	25·10
Khulna	24·40
Pubna	23·59
Rungpur	22·63
Gya	21·55
Hazaribagh	20·70
Monghyr	20·24
Shahabad	20·20
Bogra	20·03

Sanitation in Municipalities.

12. The following statement shows the total expenditure incurred by Municipalities on sanitary purposes during the past year:—

Head of Expenditure.		Total expenditure.		Difference of 1890.	
		1890.	1889.	Increase.	Decrease.
		Rs.	Rs	Rs.	Rs.
On conservancy, including latrine	...	3,28,199	3,27,372	827	......
„ conservancy establishment ...	...	3,51,081	3,38,588	12,493	......
„ drainage ...	...	83,502	83,643	......	141
„ water-supply ...	...	1,43,379	1,28,162	15,217	......
„ disposal of dead ...	...	12,705	13,708	......	1,003
„ market and slaughter-houses	...	17,697	9,525	8,172	......
„ vaccination ...	...	17,061	22,026	......	4,965
„ treatment of the sick ...	...	2,27,054	2,21,728	5,326	......
„ other sanitary work ...	...	1,60,412	1,36,279	24,133	......
Total	...	13,41,090	12,81,031	60,059	......

The progress shown is, on the whole, satisfactory; but the large reduction in expenditure on vaccination indicates a tendency on the part of Municipal authorities to neglect one of the most important duties entrusted to them. Statistics show that the deaths from small-pox in the urban areas of Bengal, where vaccination is compulsory, rose to 1,268 in 1890, while the mortality from the same cause during 1889 was 653, the mean mortality for the five years 1885-89 being 601, and it is a reasonable inference that this sudden increase was to some extent due to the relaxation of necessary precautions to which the table of expenditure bears witness. Effective measures must now be taken to guard against the continuance of this state of things. No municipal budget should be sanctioned which provides for a decrease in expenditure on vaccination, and Commissioners of Divisions will be instructed to enforce the observance of this rule.

13. In paragraph 57 of the report a statement is given which apparently purports to show the proportion of expenditure on sanitary purposes devoted to original sanitary works and sanitary works of a recurring nature, and the ratio of the total expenditure on sanitary purposes to the total expenditure on municipal purposes. The headings of the fourth, fifth and sixth columns are, however, so obscurely worded that the Lieutenant-Governor has had some difficulty in making out what proportions they were intended to show, and the value of the sixth column as a test of sanitary progress is impaired by the fact that the statistics on which it is based include expenditure on the construction and repair of roads, which cannot properly be treated as expenditure on sanitary purposes. The same criticism applies to the summary of sanitary works carried out by Municipalities, District or Local Boards, and private individuals, which is given in Appendix III. An analysis of the statement describing the sources of water-supply given in paragraph 64 shows that of the 145 municipalities in existence during the year, sixty-nine derived their drinking-water mainly from rivers and fifty-two from tanks or wells. Only six municipalities—Burdwan, Bhagulpur, Dacca, Darjeeling, Cossipur-Chitpur and Kurseong—could be said to have a supply of really pure water.

Rural sanitation.

14. The Sanitary Commissioner states that little or no progress has as yet been made by District Boards in the direction of rural sanitation, because, as was observed in the Resolution on last year's report, they possess no funds for the purpose, and have no power to impose local taxation for sanitary purposes. It appears, however, from the summary of sanitary works contained in Appendix III of the Report, that during the past year District and Local Boards spent Rs. 48,762 on sinking wells, excavating and clearing tanks, and improving drainage channels. The above sum includes an advance of Rs. 4,200 granted in Midnapur under the Land Improvement Loans Act to private individuals for the excavation of tanks and the construction of bunds or high level reservoirs; but it does not include the expenditure incurred on the completion of the Rungpore drainage scheme. In addition to this, no less than Rs. 2,65,785 was laid out by private individuals on the excavation of tanks, the provision of improved water and similar sanitary improvements. Among these works of private benevolence, special mention should be made of the large tank with six masonry ghâts excavated by Rani Man Mohini Devi of Puttia, Rajshahi, at a cost of Rs. 30,000, and the generous offer of the same lady to lay out from Rs. 10,000 to Rs. 12,000 a year, for a period of four or five years, on constructing wells in the district; of the donation of Rs. 1,12,500 made by Raja Surja Kant Acharjya of Muktagacha in Mymensingh, towards water-works for the head quarters station; and of the contribution of Rs. 11,466 promised, and in part paid, by the Maharaja of Darbhanga for clearing the Sivaganga and improving the drainage of Deoghur. With reference to the last-mentioned project, the Deputy Commissioner of the Sonthal Pergunnahs states that the plans, "though made over a year ago, are still lying somewhere unapproved by the authorities, and the gift under its terms may be withdrawn." The Sanitary Commissioner should enquire into this statement and ascertain what has been done in the matter, and to what causes the delay complained of is due.

The Sanitary Board.

15. The Sanitary Board, consisting of Sir Henry Harrison, member of the Board of Revenue, as President, Colonel McNeile, Chief Engineer and Secretary to Government in the Irrigation Branch of the Public Works Department, and Dr. Gregg, the Sanitary Commissioner, held three formal meetings during the year. The most important subjects which came under their consideration were the drainage and water-supply of the town of Howrah, the drainage of the municipalities on the east bank of the Hooghly, and the drainage of the towns of Serampore and Puri. A complete scheme for the drainage of Puri, which has long been a source of serious danger to the health of the town, has been sanctioned by Government since the close of the year. A scheme was also drawn up for Serampore, and adopted by the Municipal Commissioners. Government has sanctioned the loan of Rs. 30,000 required to carry out the project, and it is understood that work will be commenced as soon as the necessary land has been acquired and made over. The question of the drainage of Howrah is still under consideration. Besides

these large projects, the Board considered and approved during the year several minor schemes for improving the drainage of North Dum-Dum, Maniktola, Cossipur-Chitpur, Balli, and Utterpara municipalities, but in none of those, except Utterpara, was any real progress made. Dr. Gregg complains of the "extraordinary apathy displayed by most municipalities in their own interests;" but it seems to the Lieutenant-Governor that this complaint cannot reasonably be made until the Sanitary Board has been longer in existence, and has had time to make its influence felt. In the Secretary of State's despatch of the 22nd August 1889, it is contemplated that the Provincial Sanitary Board should not only advise the Government and local authorities upon sanitary measures, but should also be the executive agency through which the Government would act in the Sanitary Department. The Lieutenant-Governor understands this to mean, not that the Board is expected actually to carry out particular sanitary projects, but that it will take the initiative in drawing up the outlines of the schemes to be prepared by the local authorities, and will supervise their execution by those authorities. Sir Charles Elliott holds that the Board will have performed its duties adequately if it takes up the most important municipalities in turn, and by degrees prepares, or causes to be prepared, schemes for their water-supply and drainage. Considering its constitution, it can hardly be expected to do more, and in any case the execution of its projects will lag far behind the conception. Rural areas cannot be dealt with on these lines, and the Lieutenant-Governor has too much apprehension of the difficulty of laying down rules for such various conditions as exist in the Province, and of enforcing any rules without an undue and impossible interference with the liberty of the people, to desire that the Sanitary Board should, as matters now stand, attempt to deal in any way with the population living outside of municipal areas.

16. The Sanitary Commissioner inspected 48 municipalities during the year, on ten of which he wrote inspection reports containing much that is sensible and practical. With a single exception, upon which separate orders will be passed, Dr. Gregg speaks in favourable terms of the good work done by the officers of his Department. The tabular statement given in paragraph 69 of the Report shows that a creditable amount of inspection was done by most of the Deputy Sanitary Commissioners and Deputy Superintendents of Vaccination. Four Deputy Superintendents, however, failed to reach the standard of inspection prescribed by the Government of India in reviewing the report of 1889.

The Lieutenant-Governor is glad to acknowledge the diligence which Dr. Gregg has displayed in the administration of his Department. The thanks of Government are also due to Dr. Waddell, Deputy Sanitary Commissioner of the Darjeeling Circle, for the good work done by him during the year.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL REPORT ON THE POLICE ADMINISTRATION OF THE TOWN OF CALCUTTA AND ITS SUBURBS FOR THE YEAR 1890.

POLICE.

Calcutta, the 7th July 1891.

READ—

The Annual Report on the Police Administration of the Town of Calcutta and its Suburbs for the year 1890.

Read also—

The Annual Reports of the Chief Presidency Magistrate and the Presidency Magistrate of the Northern Division on the Criminal Administration of their Courts for the year 1890.

The Reports for the year 1889 and the orders of Government thereon.

Reported cases.—The following table shows the number of cognizable and non-cognizable cases reported in the Town and Suburbs of Calcutta during 1890 and the preceding year:—

	Town.		Suburbs.		Total.	
	1889.	1890.	1889..	1890.	1889.	1890.
Cognizable	25,787	26,858	7,277	8,173	33,064	35,031
Non-cognizable	24,510	22,015	2,809	4,496	27,319	26,511
Total ...	50,297	48,87	10,086	12,669	60,383	61,542

The increase in cognizable cases in both the Town and Suburbs occurred mainly under the heads of Stage Carriage Act, Public and Local Nuisances, and Cruelty to Animals. The decrease in non-cognizable cases in the Town was chiefly in offences against the Conservancy Acts. The increase in non-cognizable cases in the suburbs was in the same class of offences.

2. *Arrests and convictions.*—The following table compares the number of persons arrested in cognizable cases and summoned in non-cognizable cases, and the number of persons convicted in the Town and Suburbs of Calcutta for the year 1890 and the preceding year:—

	Persons arrested or summoned.						Persons convicted.					
	Town.		Suburbs.		Total.		Town.		Suburbs.		Total.	
	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.
In cognizable cases	34,282	36,301	7,987	8,698	42,269	44,999	31,881	33,738	7,558	8,172	39,439	41,910
In non-cognizable cases	11,891	11,585	2,602	3,558	14,493	15,143	7,943	6,874	1,621	2,566	9,564	9,440
Total ...	46,173	47,886	10,589	12,256	56,762	60,142	39,824	40,612	9,179	10,738	49,003	51,350

The percentage of convictions for cognizable offences remained the same in 1890 as in the previous year, namely 93, and for non-cognizable offences it fell from 66·21 to 62·33.

3. *Races and creeds.*—Out of a total population of 433,219 in the Town, 10,158 persons were convicted of offences under the Indian Penal Code. Of these 6,060 were Hindus, 3,625 Mahomedans, and 445 Christians. No Brahmos, Parsees or Sikhs, who number in all 843 persons, were convicted during the year. The percentages of the different races were as follow:—

Mahomedans	2·9
Hindus	2·1
Christians	1·6
Buddhists and Jains	1·04
Jews	1·01

Out of a total population of 251,439 in the Suburbs, 1,339 were convicted under the Indian Penal Code. The convictions of Hindus were 697, and of Mahomedans 621. Twenty Christians were convicted against nine in 1889. The percentages of the different races were as follow:—

Mahomedans	·6
Hindus	·5
Christians	·5

4. *False cases.*—There were only 43 cases declared false out of a total of 48,873 cases reported in the Town, and only 18 out of 12,669 reported in the Suburbs. In 1889 the numbers were 60 and 24 respectively in the Town and the Suburbs. The extreme paucity of and the decrease in the number of cases declared false have not been sufficiently explained. Out of 21 prosecutions instituted in the Town for false complaints, only 8 ended in conviction, in 3 of which the complainants were sentenced to terms of imprisonment varying from three to four months, and in 5 cases fines were inflicted. In 2 cases the complainants absconded and in 5 the defendants were discharged. The remaining 6 cases were struck off, as the parties failed to take out processes. In 10 other cases compensation was awarded under section 552 of the Code of Criminal Procedure to the aggrieved parties. No case was instituted by any court *suo motu*. In the Suburbs prosecutions were instituted in only 13 cases, one of which was committed to the Sessions, and resulted in a sentence of six months' imprisonment. In one case three complainants were fined, and in 4 cases the complainants were imprisoned for short terms ranging from 15 days to one month. In 7 cases the defendants were discharged.

5. *Property stolen and recovered.*—The value of property stolen in the Town and Suburbs was estimated at Rs. 1,53,957 against Rs. 1,51,267 in 1889, and that of property recovered Rs. 89,019 against Rs. 69,199 in 1889. The percentage of property recovered rose from 49·02 to 56·94 in the Town, and from 35·06 to 66·34 in the Suburbs.

6. *Ratio of cognizable crime to population.*—The ratio of proved cognizable crime, and of convictions in all cases, to population was as follows:—

	Area in square miles.	Population.	Percentage of crime prosecuted to conviction to population.	Persons convicted to population.
Town	7·8	433,219	5·4	9·4
Suburbs	23	251,439	3	4·3

7. *Cognizable crime in the Town.*—The following statement shows the number of cognizable cases returned as true within the Town during the past two years:—

Crime.	1889.	1890.
Abetment of offence not committed	1	......
Class I—Offences against the State	32	51
„ II—Serious offences against the person ...	186	175
„ III—Serious offences against person and property ...	189	143
„ IV—Minor offences against the person	53	59
„ V—Minor offences against person and property ...	2,300	2,144
„ VI—Other offences not specified above	6,891	7,906
Special and Local Laws—		
Miscellaneous offences in the street	10,059	9,806
Cruelty to animals	2,922	3,339
Offences under Port Acts	2,286	2,342
Other offences	807	867
Total ...	25,735	26,832

In classes III and V the decrease occurred mainly in cases of burglaries and thefts.

There was an increase in offences relating to Coin and Stamps. The number of cases reported was 15 against 5 in 1889. Thirteen cases were tried summarily by the Magistrate, 11 persons being convicted and 1 discharged; and 2 cases were committed to the Sessions, in which 5 persons were sentenced to terms of imprisonment varying from two to seven years.

There were only 3 cases of murder against 4 in 1889. In one of these cases the accused suspecting his wife of infidelity cut her throat. He was sentenced to be hanged, but on appeal this sentence was commuted to one of transportation for life. In another case an elderly woman was found murdered in her employer's house. Very great violence had been used, and a neck-chain had been stolen. Suspicion fell upon a neighbour who sometimes visited the house, as a gold chain, like that worn by the deceased, was found buried in his room, and there were wounds on his arm and fingers for which he could not account, and regarding which he made false statements. The case was pending at the close of the year, but at the February Sessions the accused was discharged. In the remaining case a prostitute was found lying strangled on her bed, and gold and silver ornaments worth about Rs. 164 had been carried off. It is reported that all efforts to trace the murderer have failed. There was one other

case in which a Hindu charged with murder in Mozufferpur was arrested by the Calcutta Police and was transferred to the mofussil.

Cases of culpable homicide rose from a five years' average of 1 to 4. In one of these cases a number of Cabuli traders belonging to the tribes of Khyrotis and Suleiman Kheyls came into conflict and fell to blows using sticks and stones freely. One of the men died in hospital from fracture of the skull. Men of both parties were committed for trial and 5 of them were convicted.

8. *Attempt at murder.*—There were 3 cases of attempts to murder against 4 for the average of the previous five years. In 2 of these cases the accused were sentenced to 3 and 5 years' rigorous imprisonment respectively. In the third case the accused was acquitted. The description of the facts given by the Commissioner of Police throws doubt on the propriety of the acquittal. It is said that the accused visited a prostitute at night, and seizing her by the throat while asleep nearly throttled her and robbed her of gold ornaments, value Rs. 313; that immediate alarm was raised, and he was pursued along the roof and was arrested in possession of the ornaments in the basement of the adjoining house, crouching down behind the entrance door; and that the Police Surgeon deposed to finding finger marks on the woman's throat.

Cases of grievous hurt rose from 17 in 1889 to 27, the average of the five preceding years being 27. Eight out of the 27 cases were private prosecutions in which the police were not employed; 45 persons appeared before the courts, of whom 13 were convicted, 3 were otherwise disposed of, 13 were awaiting trial at the close of the year, and 16 were discharged It is stated that these cases are generally settled out of court. No European seamen were charged with this offence. There were 40 cases of hurt by dangerous weapon against 33 in 1889.

There was only one case of kidnapping with theft, though the Commissioner of Police reports that during the year 551 children wearing ornaments went astray in the Town and Suburbs, and were restored to their parents with the ornaments intact.

There were five cases of rash and negligent acts causing death or grievous hurt against an equal number in 1889. The prosecution and conviction of a Hindu for causing the death of his immature child-wife has led to an important change in the criminal law.

There was only 1 case of robbery with hurt in 1890, and 1 case of highway robbery (against 6 in 1889). The number of other robberies fell from 10 in 1889 to 2.

True cases of burglary and lurking house-trespass fell from 179 to 154, and the number of convictions from 119 to 94. The percentage of property recovered, however, rose from 32·15 to 54·48. This shows an improvement in dealing with this offence. Cases of thefts also fell from 1,855 to 1,549, and the number of convictions from 981 to 901. It is stated that the decrease in the number of cases during the year occurred chiefly in petty house thefts in the second division of the Town. The percentage of cases detected was 53·06 against 48·94 in 1889, and that of property recovered was 56·43.

There were 318 cases of criminal breach of trust against 261 in 1889. One of these cases, in which the late cashier of the Chartered Bank of India, Australia, and China was acquitted, excited much attention. Fourteen cases of criminal breach of trust committed by drivers of carts were successfully prosecuted, but the offenders were all tried summarily by the Magistrates and punished for theft. The Commissioner of Police observes that no class of offence is planned or carried out with more deliberation, and that detection in these cases is difficult. He suggests that all cases where there is evidence of premeditation should be committed to the Sessions for trial. Out of 583 persons charged under the Gambling Act, 564 or 96 per cent. were convicted. In one case the keeper of a gaming-house was sentenced to imprisonment without the option of a fine. Under the Stage Carriage Act there were 2,629 cases and 2,469 convictions against 2,079 cases and 2,032 convictions in the preceding year. The increase in the number of prosecutions occurred mainly for cases of loitering for hire off stand and driving without neck-tickets. Offences under the Police Act (street offences) fell from 10,059 to 9,806 in 1890, and out of 12,297 persons placed before the Magistrate, 12,189 or 99·12 per cent. were convicted. There was an increase of 56 cases under the Ports Act as compared with the previous year. There was an increase of 280 in

the cases under Act I (B.C.) of 1869, prosecutions in which were generally instituted on action taken by the officers of the Society for the Prevention of Cruelty to Animals. Out of 4,820 persons arrested during the year, 4,717 or over 97 per cent. were convicted. Act XI of 1890 has recently been extended to Calcutta, and it is hoped that additional acts of cruelty made punishable in that Act will result in more effectual prevention of the inhuman torture of animals. His Honour regrets to observe that the cognizable riots and unlawful assemblies in the Town rose from 12 to 21.

9. *Cognizable crime in the Suburbs.*—The following is a comparative statement of cognizable cases returned as true in the Suburbs during the past two years:—

		1889.	1890.
Class I—Offences against the State	...	15	18
" II—Offences against the person ...	...	75	86
" III—Serious offences against person and property ...	...	151	122
" IV—Minor offences against the person	...	21	32
" V—Minor offences against property	...	680	547
" VI—Other offences not specified above	...	651	742
Special and local laws—			
Cruelty to animals ...	...	3,156	3,975
Miscellaneous offences in the street	...	2,484	2,071
Other offences ...	...	22	612
Total	...	7,255	8,155

There were 7 cases of offences relating to Coin. In three cases 3 persons were convicted by the Magistrate; two cases were committed to the Sessions, and the offenders were sentenced one to three years' and the other to five years' rigorous imprisonment. One case was pending at the close of the year, and in the remaining case the accused was not placed on trial for want of evidence.

There were three cases of murder against an equal number in the previous year. In two cases the offenders were transported for life. In the third case the charge against the accused was withdrawn in the Court of Sessions. There were two cases of culpable homicide against three in 1889. In one case the accused was sentenced to two years' rigorous imprisonment, and in the other to five years. There were only seven cases of grievous hurt against 16 in the preceding year. In five cases 8 persons were convicted, 3 of whom were policemen who were sentenced by the Sessions Court, 1 to three years and 2 to two years' rigorous imprisonment. Cases of hurt by dangerous weapons fell from 19 in 1889 to 8. Of these five were withdrawn in Court, and in the remaining three cases the accused were convicted. There were six cases of kidnapping against 11 in 1889. In four of these cases the offenders were convicted, one of whom was sentenced by the Sessions Court to seven years' transportation.

While there was a decrease in the number of burglaries in 1890, the proportion of cases detected and persons convicted was higher than in 1889 or in any of the four preceding years. The percentage of property recovered was 52·80 against 26·30 in 1889. The ratio of cases detected and persons convicted under the head of theft shows an improvement on the results of the previous year. The percentage of property recovered also compares favourably with that for the preceding year.

10. *Non-cognizable crime in the Town.*—The following table shows the cases under chief heads of non-cognizable crime for the Town reported as true:—

		1889.	1890.
Conservancy Act IV (B.C.) of 1876 ...	...	19,577	16,820
Criminal force; sections 352, 355 and 358, Indian Penal Code	...	2,119	2,106
Intimidation and assault; sections 504, 506, 510, Indian Penal Code	...	528	748
Hurt; section 323, Indian Penal Code	...	598	678
Rioting, unlawful assembly and affray; sections 149, 154, 156 and 160, Indian Penal Code	...	230	264

There was a decrease in the total number of cases from 24,510 to 22,015. The decrease occurred almost wholly in conservancy cases. There was an increase in cases of causing hurt and of rioting, unlawful assembly and affray. There were 16 cases of forgery against 4 in 1889. Convictions were obtained in four cases. In one of these the managing clerk of a local firm obtained large advances

from the Bank of Bengal and the Hongkong and Shanghai Bank, involving serious loss to both Banks by means of forged opium passes. As the forged documents bore the names of officials in the Board of Revenue, the prosecution was conducted by Government. In the case of the Hongkong Bank the accused having been sentenced to eight years' imprisonment, it was decided not to proceed with the other case. Cases of extortion fell from 15 to 10. In one case committed to the Sessions, two offenders were sentenced to seven and three years' rigorous imprisonment respectively. No member of the force was convicted during the year of this offence. Cases of rioting, hurt, criminal force, intimidation, and assault increased chiefly in the Northern Division of the Town. The Presidency Magistrate of that Division has not noticed the subject.

11. *Non-cognizable crime in the Suburbs.*—The following table shows the cases under the same heads as in the last paragraph of non-cognizable crime reported as true in the Suburbs:—

	18	1890.
Conservancy Act	1,114	2,529
Criminal force	827	914
Intimidation and assault	54	80
Hurt	388	347
Rioting, unlawful assembly, affray	Nil.	Nil.

There was a total increase of 1,687 in non-cognizable cases as compared with the preceding year, which occurred mainly in conservancy prosecutions. These more than doubled, but no reason is assigned. The Lieutenant-Governor notices with surprise that no cases of non-cognizable rioting, &c., are reported from the Suburbs for either 1889 or 1890.

12. *Suicides.*—The number of cases in the Town and Suburbs was 85 against 83 in 1889. Thirty-seven per cent. of the cases were caused by hanging and 31 per cent. by opium poisoning. Over 70 per cent. of the suicides occurred among the Hindus.

13. *Accidental deaths.*—There were 301 deaths in 1890 against 292 in 1889. Thirty-six were caused by falls from trees and buildings, 30 by carriages and horses. There were 4 deaths from snake-bite. Out of 121 drivers of public and private carriages prosecuted for rash and furious driving, 101 were convicted.

14. *Arms Act.*—The importation of firearms decreased from 2,655 pieces in 1889 to 2,449 in 1890, but there was an increase of 207 in the number of firearms purchased by Calcutta Merchants in this country during the year. The imports of percussion caps fell from 23,384,000 in 1889 to 19,013,000 in 1890, and this decrease is stated to be due to the fact that the surplus stock in hand at the commencement of the year was much more than it was at the commencement of 1889. Out of 2,449 firearms imported during 1890, 2,017 were imported by European firms. The number of firearms sold during 1890 was 2,852 against 2,720. These figures include guns of native manufacture imported into the Town of Calcutta from Monghyr. The number so imported was 980 against 957 in 1889. There were 5 prosecutions under the Act against 7 in the previous year. Six persons were convicted, all for petty offences.

15. *European Vagrancy Act.*—Thirty-five vagrants were admitted into the Workhouse under section 5 of the Act. Two persons were deported, 1 to London and the other to Madras, 16 were shipped away as seamen, 11 were provided with employment of various kinds, and 5 were released. Ten other persons of European extraction, who were not admitted into the Workhouse, entered into agreement under section 17 of the Act and were deported from India.

16. *Alms-house.*—Out of 66 seamen who found refuge in the Alms-house during the year, employment on ships was found for 51.

17. *Fire Brigade Act.*—Thirteen large fires occurred in the Town and River, 26 in the Suburbs, and 8 at Howrah, at all of which steam fire-engines rendered effective assistance. Thirteen other small fires were also reported to have occurred at which manual engines attended. The loss of property was estimated at Rs. 4,66,480 against Rs. 1,38,490 in 1889. The most serious fire in the Town occurred at Jorabagan, in which property worth Rs. 93,000 was destroyed, and that in the Suburbs occurred at the Bengal Hydraulic Jute Press at Chitpore. The loss in this case was said to be Rs. 2,70,000.

18. *Strength of the Police Force.*—The actual strength of the Police employed in the Town and Suburbs is shown below:—

	Town Police.	Suburban Police.	Detective Department.	Government Guard.	Fort Police.	Lock-up Guard.	Salt Pass Establishment.	River Police.	Additional Constables.	Total.
Superintendents	4	2	1	......	......	......	......	1	......	8
Inspectors	28	12	......	4	1	......	......	3	1	49
Sub-Inspectors	......	4	3	......	......	......	......	......	......	7
European sergeants and Constables.	48	......	......	4	......	......	......	......	......	52
Darogahs	9	2	......	......	......	......	......	......	......	11
Sergeants	33	16	7	9	1	1	4	3	2	76
Corporals	72	26	......	27	1	1	2	16	20	165
Special Constables	51	......	......	......	......	......	......	......	......	51
Constables	1,206	620	......	213	18	8	17	158	179	2,419
Mounted Police	22	......	......	......	......	......	......	......	......	22
Total ...	1,473	682	11	257	21	10	23	181	202	2,860

The ratio of this force was to population 1 to 239·39 inhabitants, and to area was 1 to ·010 square miles.

The percentage of casualties in the Force was 11·32 against 9·74 in the previous year; 14 members of the Force were punished judicially during the year against 15 in 1889. 72 men were dismissed against 56 in 1889, 3 men deserted, 144 resigned or were discharged, with or without pension, and 33 died, the rate of mortality being 11·5 per mille. Altogether 15 officers and 25 constables were reduced, 17 officers and 43 constables were suspended, 28 officers and 210 constables were fined. The number of vacancies of all kinds was 324 against 288 in 1889.

The Commissioner of Police suggests the necessity of improving the position of the native policemen immediately above the grade of constable, though he has not yet made any special recommendation on behalf of this portion of the force. This matter will come under the Lieutenant-Governor's consideration together with the recommendations of the Police Committee.

19. *Cost of the Police.*—The total cost of the Town and Suburban Police was Rs. 6,14,634, the budget grant for 1890-91 being Rs. 6,17,000. The sanctioned strength was reduced by 51 constables from the 1st April 1890.

20. *Hotels, liquor shops, &c.*—Four hundred and seventy-five certificates were granted for hotels, shops for the sale of exciseable articles, and native eating houses in the Town, and 197 in the Suburbs against 268 and 52 respectively in 1889. The fees realized amounted to Rs. 1,032 against Rs. 822 in the Town, and to Rs. 448 against 235 in the Suburbs. The increase in fees is chiefly accounted for by the fact that licenses for liquor shops which were granted in 1887 under the triennial system were renewed during 1890.

21. *Property found and restored.*—Property to the value of Rs. 4,787 was picked up and brought to the Police Office, and over 69 per cent. of the amount was restored to the owners.

22. *Old offenders.*—Two hundred and eighty-nine old offenders were convicted in the Town against 278 in 1889. Of these, 76 had been convicted more than three times against 80 in the previous year. In the Suburbs the corresponding figures were 94 and 14 against 83 and 16. Eighty-one notorious offenders were photographed on their release from jail and their names registered by the Detective Department.

23. *Judicial Work.*—The number of cases instituted in the Northern Division was 15,056, and in the Southern Division 13,809 against 14,053 and 13,415 respectively in 1889. The number of cases disposed of by the Honorary Magistrates was 18,516 against 21,149 in the previous year. Of 36,806 persons appearing before the Courts of the Presidency Magistrates of the Northern and Southern Divisions, 34,274 were convicted and 2,363 acquitted or discharged. The percentage of conviction in cognizable cases was 96·5 in the Court of the Northern Division Magistrate, 96·1 in the Court of the Chief Magistrate, 77·6 in the Bench Courts, and 52·1, 57, and 60·7 respectively in non-cognizable cases (excluding conservancy prosecutions). The total amount of fines imposed by Benches was Rs. 5,112 against Rs. 6,265 in the previous year. Of this amount Rs. 4,630 was realised, and out of this sum Rs. 479 was awarded as compensation. Eleven cases only were declared by Honorary Magistrates false,

frivolous, vexatious or groundlessly instituted, and compensation awarded in these cases amounted to Rs. 91 in all. Under the amended section 250 of the Criminal Procedure Code, which allows compensation to be given in warrant cases as well as in summons cases, it is expected that compensation will be awarded in many more cases.

Against the orders of the Chief Presidency Magistrate, 34 ordinary appeals were preferred with result that 1 conviction only was set aside; the High Court was moved in revision in 5 cases, but only once successfully. 51 ordinary appeals were made against the orders of the Northern Division Presidency Magistrate, all without success; 12 motions were made to the High Court with the result that 2 were successful. There were 12 ordinary appeals against the decisions of Honorary Magistrates, all of which were rejected except 1; there were 3 motions to the High Court, but all were without success. These results speak well for the soundness of the decisions given by the Magistrates.

24. *Adjournments.*—The total number of cases adjourned was 308 against 422 in 1889. Of the 308 cases adjourned, 119 were before the Northern Division Court and 147 before the Chief Magistrate and 42 before the Benches. The number of adjournments does not seem unreasonable. The Commissioner of Police observes that, if arrangements are insisted on for hearing cases which are ready for disposal as nearly as can be *de die in diem*, the business of the Courts will be disposed of more satisfactorily to all parties, and the Lieutenant-Governor hopes that the Chief Presidency Magistrate will insist upon this procedure which has already received the approval of Government.

25. *Benches.*—The Chief Presidency Magistrate observes that the Honorary Magistrates as a body continue to evince the interest they have always taken in the discharge of the work. The only unsatisfactory features that call for notice are—

(1) the absence of some of the Honorary Magistrates from the Court without notice and sometimes on insufficient notice; and

(2) the rising of the Courts presided over by Honorary Magistrates in a few instances without finishing the day's file before the hour prescribed by the rules for such rising.

The Lieutenant-Governor trusts that no such neglect of the important public interests committed to their care will be reported in any future year.

Out of 96 Honorary Magistrates, 13 attended 20 times or more. The Lieutenant-Governor notices with satisfaction the good services which these gentlemen have rendered to the administration of justice. Thirty-six Honorary Magistrates attended less than ten times during the year, besides 8 who never attended at all. Some of these were either absent from the Town for a portion of the year, or were appointed late in the year. Some of those who never attended at all were in Europe.

26. *Personnel of the Force.*—Mr. J. Lambert held the office of Commissioner, and Mr. A. B. Barnard that of Deputy Commissioner, throughout the year. The Lieutenant-Governor's acknowledgments are due to both these officers for their efficient administration of the Department during the year. The names of the subordinate officers favourably mentioned have been noted.

ORDER.—Ordered that copies of the Resolution be forwarded to the Commissioner of Police, Calcutta, for information and communication to the Presidency Magistrates, and to the Commissioner of the Presidency Division, for information.

Ordered also that a copy of this Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secretary to the Govt. of Bengal.

REVIEW OF THE TRANSACTIONS OF THE FINE FUND OF THE EASTERN BENGAL AND NALHATI STATE RAILWAYS FOR 1890-91.

No. 1312R.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Railway.

Dated Calcutta, the 6th July 1891.

RESOLUTION.

READ—

Resolution by the Government of India, in the Department of Finance, No. 427, dated the 28th January 1880.

Endorsement by the Manager of the Eastern Bengal State Railway, No. 411, dated the 29th April 1891.

Endorsement by the Manager of the Nalhati State Railway, No. 2029, dated the 6th June 1891.

Read also—

Resolution by the Government of Bengal, Public Works Department, No. 1231R.A., dated the 4th June 1890.

OBSERVATIONS.—With their endorsements quoted above the Managers have submitted the reviews of the transactions of the Fine Fund of the railways under the control of the Government of Bengal for the official year 1890-91, and these show that both on the Eastern Bengal and Nalhati State Railways the amount of fines realised during the year is less than that realised during 1889-90.

2. The following is a summary of the receipts and expenditure of the fund :—

RAILWAYS.	RECEIPTS.				EXPENDITURE.			Balance at end of 1890-91.
	Balance on 1st April 1890.	Fines.	Interest.	Total.	Disbursements.	Refunds.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Eastern Bengal State	4,965 7 0	5,598 13 7	135 4 6	10,699 9 1	8,875 12 3	......	8,875 12 3	1,823 12 10
Nalhati State ...	14 5 3	26 14 9	0 12 11	42 0 11	6 0 0	......	6 0 0	36 0 11
Total ...	4,979 12 3	5,625 12 4	136 1 5	10,741 10 0	8,881 12 3	......	8,881 12 3	1,859 13 9

3. The principal disbursements under the head of expenditure have been as follows :—

Eastern Bengal State Railway.—Institute, Rs. 2,190; schools, Rs. 3,565-8; entertainments, Rs. 460; amusement club, Rs. 500; blankets for menial servants, Rs. 1,803-11; compassionate allowance, Rs. 286-9-3.

RESOLUTION.—The Lieutenant-Governor views with satisfaction the results of the working of the fund during the year under review, and His Honour is glad to find that, while there has been a decrease in the amount realised from fines, larger amounts have been contributed from the resources of the funds towards entertainments, schools, and the institute, in which the employés of the Railway are much interested.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Government of India, in the Public Works Department, and to the Managers of the Eastern Bengal and Nalhati State Railways, for information, and that the Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

F. J. JOHNSTONE,

Joint-Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 4th July, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
BURDWAN DIVN.			
1	Burdwan July 4, '91	0·62	Weather—hot and oppressive. Agricultural operations backward owing to want of rain, except in Raneegunge. Jute, sugarcane, and *aman* paddy suffering. Prices of common rice :— Srs. Burdwan ... ... 17 } Culna ... ... 15 } per rupee. Cutwa ... ... 16½ } Raneegunge ... ... 17½ }
	Culna ...	Nil	
	Cutwa ...	0·80	
	Raneegunge ...	1·77	
2	Baukoora „ 4, '91	2·34	Weather—rainy. Ploughing and sowing of rice going on. Rainfall of the week has done much good to young plants which were withering in many places for want of moisture. Sugarcane doing well. Damage to standing crops by locusts one anna. Common rice selling at 18½ seers per rupee at Sudder and 17½ seers at Bishenpore.
3	Birbhum „ 4, '91	5·07	Rain has not been general. North of the district very rainless. Rice seedlings still doing well. No more locusts reported. Prices of rice remain at 16½ to 21 seers per rupee.
	Rampore Haut ...	0·25	
4	Midnapur „ 4, '91	1·22	Weather—rainy and sultry. The rain has done much good. Prices of common rice :— Srs. Sudder ... ... 18 } Contai ... ... 18 } per rupee. Tamluk ... ... 16 } Ghatal ... ... 17 }
5	Hooghly „ 4, '91	1·67	Weather—fairly cool with occasional showers. All crops doing well. Prices of common rice :— Srs. Sudder ... ... 14 } Serampore ... ... 15½ } per rupee. Jehanabad ... ... 17½ }
	Serampore ...	1·88	
	Jehanabad ...	0·72	
6	Howrah „ 4, '91	2·95	Weather—showery. Transplanting of paddy going on. Paddy and jute plants benefited by rain. Prospects improved. Price of common rice 14½ to 15 seers per rupee.
	Uluberia ...	1·73	
	Central Districts.		
PRESIDENCY DIVN.			
7	24-Perghs. July 7, '91	3·68	Weather—seasonable and unsettled with clouds and rain. Jute, sugarcane, and *aus* paddy doing well everywhere except Barrackpore, where *aus* paddy requires more rain. More rain is also required in the Sudder and Diamond Harbour subdivisions for *aman* paddy. Prices remain unchanged.
8	Nuddea „ 4, '91	3·2	Weather—very hot. 2·85 inches of rain fell at Krishnaghur on Monday (29th June). Rain during the week has done much good to *aus* crop, but more rain is wanted. Indigo and sugarcane doing well.
	Kushtea ...	0·69	
	Meherpur ...	4·52	
	Chuadanga ...	1·01	
	Ranaghat ...	0·30	
9	Khoolna „ 4, '91	1·63	Weather—showery. Some rain has fallen and prospects improved. More rain wanted. Land is being ploughed for *aman* crop.
	Bagirhat ...	3·42	
	Satkhira ...	2·88	
10	Jessore „ 4, '91	2·74	Weather—hot and cloudy with occasional showers. Rain has been beneficial to crops, but more wanted. Prospects favourable. In Magurah indigo cutting shall commence soon. Prices stationary.
	Jhenidah ...	1·79	
	Magurah ...	0·16	
	Narail ...	0·77	
	Bongong ...	1·15	
11	Murshedabad „ 6, '91	2·17	Weather—cloudy with occasional showers. Lands for *aman* are being prepared. Sugarcane doing well. Rain still wanted in parts.
RAJSHAHYE DIVN.			
12	Dinagepur „ 4, '91	5·83	Weather—hot and cloudy with showers of rain. Transplantation in progress. Prospects favourable. Price of rice 16 seers per rupee.
	Thakurgaon ...	12·68	
13	Rajshahye „ 4, '91	0·75	Weather—very hot; more rain is desirable. All crops are flourishing. There was a scarcity of rain; but all fears are dissipated after the fall of to-day (4th) which seems to be general.
	Nattore ...	2·29	
	Nowgong ...	2·61	
14	Rungpur „ 4, '91	2·96	Ordinary monsoon weather. Everything looks promising. *Aus* harvest has begun, and will give a fair average outturn. *Aman* is transplanted for the most part, and coming up well. Jute promises fairly, but the area sown is relatively small.
	Nilphamari ...	4·85	
	Gaibanda ...	1·06	
	Kurigram ...	2·12	
15	Bogra „ 4, '91	1·91	Weather—hot and damp. All crops are promising well. In a few places *aus* rice, *til*, and *kaon* are being cut. Common rice is selling at 17 seers a rupee.
	Sherpur ...	0·85	
	Nowkhilla ...	1·62	
16	Pubna „ 4, '91	0·51	Weather—cloudy and hot. Jute and paddy doing well. Price of common rice ranges from 13 seers 5 chittacks to 14½ seers per rupee. Foddor sufficient.
17	Darjeeling „ 4, '91	2·62	Weather—fair. Crops generally doing well. Transplantation of winter rice retarded in the Terai for want of rain.
18	Julpigoree „ 4, '91	8·18	Weather—very hot; cloudy at intervals. Jute and *bhadoi* paddy doing well. Transplanting of *haimanti* paddy going on. Common rice sells at 15 seers per rupee.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts.		
DACCA DIVN.	19	Dacca July 4, '91	2·11	Weather—hot and sometimes cloudy. *Aus* paddy and jute thriving. Jute damaged to some extent by continuous rain and prospects not favourable. Common rice is being sold at from 14 to 16 seers per rupee.
	20	Furreedpur „ 4, '91	0·44	Weather—hot. Harvesting of *til* completed. More rain wanted for standing crops. Price of rice stationary.
	21	Backergunge „ 4, '91 Perozepur ... Patuakhali ...	2·42 4·74 6·42	Weather—seasonable. Prospects of crops much improved by rain. Common rice selling at from 13 to 18 seers per rupee.
	22	Mymensingh „ 4, '91	2·07	Weather—cloudy and hot by turns. Prospects of *aus* paddy and jute not favourable. Transplantation of *aman* going on. Common rice sells at 13 seers a rupee.
CHITTAGONG DIVN.	23	Chittagong „ 7, '91	8·59	Weather—seasonable. Transplantation of *aman* going on. Prospects of crops good. Prices stationary.
	24	Noakholly „ 4, '91	4·54	Weather—seasonable; but more rain needed. Prospects of *aus* and *aman* on the whole fair. Price of rice 17½ seers per rupee.
	25	Tipperah „ 4, '91	0·68	Weather—seasonable. *Aus* being reaped. *Aman* and jute promising well. Prices stationary.
	26	Chittagong Hill Tracts. „ 2, '91	1·69	Weather—excessively hot throughout the week. Rain badly wanted. *Jum* paddy and cotton plants suffering from drought. Ploughing in low lands for late rice crop at a standstill owing to drought. Common rice being sold at 12 seers 5 chittacks per rupee.
BEHAR.				
PATNA DIVN.	27	Patna „ 4, '91 Barh ... Behar ... Dinapur ...	2·80 5·90 2·02 3·19	Weather—cloudy. Prospects of *bhadoi* and paddy sowings considerably improved by the recent rain. Prices stationary.
	28	Gya „ 4, '91	2·17	Weather—seasonable. Sowing of paddy and transplantation of *marua* commenced. Sugarcane doing well. Prices almost stationary.
	29	Shahabad „ 4, '91 Buxar ... Bhabuah ... Sasseram ...	2·65 0·60 1·14 2·57	Weather—tolerably cool; cloudy and showery. Sugarcane doing well. Now the rains have set in moderately and prospects of paddy and *bhadoi* crops good. Rain in Buxar still deficient. Prices unchanged.
	30	Durbhunga „ 4, '91 Madhubani ... Somastipur ...	3·58 1·25 0·77	Weather—cloudy and rainy. *Bhadoi* sowings still going on. Transplanting of *marua* and paddy commenced, but more rain is wanted. Indigo manufacture going on. Prices remain almost stationary.
	31	Mozufferpur „ 4, '91 Hajipur ... Sitamarhi ...	3·90 3·76 1·50	Rain has been general. Sowing of *bhadoi* and of paddy continues. Paddy is being transplanted in places. Indigo promises well, and may be estimated at 16 annas.
	32	Sarun „ 4, '90	1·53	Weather—very heavy rain in places; cloudy and overcast all the week. All crops doing well. Indigo manufacture will begin.
	33	Chumparun „ 4, '91 Bettiah ...	2·36 3·36	It is raining heavily to-day (4th). Transplantation of paddy progressing. *Bhadoi* sowings are germinating. Manufacture of indigo going on. Prices stationary.
BHAGULPORE DIVN.	34	Monghyr „ 4, '91 Beguserai ... Jamui ...	1·69 0·62 3·60	Weather has been of light monsoon character, and rain more local than usual at this time of year. *Bhadoi* sowings and resowings going on everywhere. About 8 annas of the crop have been sown in Jamui. Locusts have appeared in the district. A very large flight was noticed in the Jamui sub-division, and to-day (4th) a fairly large one visited head-quarters. Damage done by locusts during the week not yet ascertained. Prices stationary.
	35	Bhagulpur „ 4, '91	4·1	Weather—seasonable and cool Rain has done much good everywhere. Cultivation and sowing proceeding briskly. Prospects fair except for indigo, which the locusts have much injured.
	36	Purneah „ 4, '91 Kishengunge ... Arrareah ...	3·09 11·44 2·96	Good rain has fallen, and the weather is still cloudy and showery. *Bhadoi* crops so far promise very well, as also jute except in Kishengunge. *Aghani* transplanting continues. Indigo has yielded very good produce, and the plant injured by locusts has recovered better than was expected.
	37	Maldah „ 4, '91 Chanchal ... Shibgunge ...	5·66 5·15 3·52	The rains have set in with the usual monsoon weather. Prospects of all crops favourable since the setting in of the rains from the beginning of the week. Manufacture of indigo commenced with an expected outturn of 13 annas in the average. Price of rice has slightly risen.
	38	Sonthal Pergns. „ 4, '91	2·69	Weather—cloudy and sultry, but a little cooler than last week. The much-wanted rain has come, and three or four good showers have fallen. People are busy in ploughing and sowing *janera* and paddy lands. The heat and drought have killed about one anna of what was sown before, but the injury done is being repaired, and resowing and replanting are being made. About 6 annas of the usual area of *janera* and paddy lands are sown.

	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.					
Orissa Divn.	39	Cuttack	July 4, '91	1·51	Weather—cloudy and cooler. Sowing of paddy not yet completed. Rain has done much good, but more still wanted, especially in Kendrapara and Banki.
	40	Pooree	„ 2, '91	0·02	Weather—hot and cloudy. Sowing of winter rice going on. Rain much wanted. Miscellaneous crops doing well. Price of common rice stationary.
	41	Balasore	„ 4, '91	1·06	Weather—seasonable. Rainfall has been favourable for sowings and for young rice plants. Prospects generally good.
CHOTA NAGPORE					
South-West Frontier Agency.					
Chota Nagpore Divn.	42	Hazaribagh Giridih	July 4, '91 ...	2·18 0·51	Monsoon weather. The break of the monsoon, though late, has done great good. Great destruction of foliage and paddy seedlings by locusts. Prices stationary.
	43	Lohardugga Palamow (up to 29th June)	„ 4, '91	0·96 0·13	Weather—cloudy. Slight rain during the week. Ploughing continues. Sowing of *gora* paddy almost completed. Sugarcane doing well in Palamow. Prices almost stationary.
	44	Singbhoom	„ 4, '91	3·47	Weather—cloudy and rainy. Rain has come just in time to save the early sowings. Damage done by the previous want of rain is not great.
	45	Manbhoom Govindpur	„ 4, '91 ...	4·18 1·68	Rains have commenced. Crops materially benefited by the downpour. Damage done to young paddy by locusts in head-quarters subdivision reported to have been slight. General prospects may be regarded as fair. Price of rice from 17 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 7th July, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts.	Stock in hand as compiled on—												
	1st week of July 1890.	1st week of August 1890.	1st week of Sept. 1890.	1st week of Oct. 1890.	1st week of Nov. 1890.	1st week of Dec. 1890.	1st week of Jan. 1891.	1st week of Feb. 1891.	1st week of March 1891.	1st week of April 1891.	1st week of May 1891.	1st week of June 1891.	1st week of July 1891.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	7,54,000	6,42,000	5,41,000	4,10,000	3,58,500	3,14,000	2,80,500	4,08,000	7,21,000	10,56,500	13,19,000	9,74,000	7,19,000
Ooltadanga	74,900	67,800	73,300	65,300	70,400	64,200	54,000	57,200	65,200	55,900	63,100	59,600	61,100
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghat.	4,96,100	5,10,500	6,07,500	6,40,100	6,29,700	5,70,250	5,29,650	5,40,400	6,00,800	5,67,200	5,17,400	4,82,400	4,63,400
Pathuriaghatta, Posta, and Jorabagan.	4,000	3,000	4,000	5,000	4,700	5,000	3,000	4,000	5,000	4,200	3,000	2,000	3,700
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,04,700	96,000	94,200	1,09,200	1,15,700	96,650	1,04,600	1,25,200	1,34,400	1,16,300	1,25,200	1,14,830	1,06,900
21 Minor bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddressur, and Chandernagore.	45,879	55,887	45,481	47,075	31,012	35,750	34,375	33,000	24,438	43,462	41,125	30,750	32,750
Total ...	19,69,579	18,65,157	18,55,481	17,67,175	17,02,012	15,75,850	14,96,125	16,57,900	20,40,833	23,63,562	26,58,825	21,53,550	18,81,850
On Railway premises on both sides of the river.	15,533 (on 3rd July 1890.)	2,371 (on 3rd August 1890.)	13,884 (on 3rd Sept. 1890.)	11,153 (on 3rd October 1890.)	16,544 (on 3rd Nov. 1890.)	23,576 (on 3rd Dec. 1890.)	24,703 (on 3rd Jan. 1891.)	36,850 (on 3rd Feb. 1891.)	36,618 (on 3rd March 1891.)	28,642 (on 3rd April 1891.)	8,221 (on 3rd May 1891.)	5,923 (on 3rd June 1891.)	17,767 (on 3rd July 1891.)
On boats unloaded ... By Port Commissioners' returns.	23,351 (1st to 3rd July 1890.)	54,778 (1st to 3rd August 1890.)	27,167 (1st to 3rd Sept. 1890.)	32,365 (1st to 3rd October 1890.)	25,445 (1st to 3rd Nov. 1890.)	34,578 (1st to 3rd Dec. 1890.)	58,196 (1st to 3rd Jan. 1891.)	82,605 (1st to 3rd Feb. 1891.)	65,914 (1st to 3rd March 1891.)	44,862 (1st to 3rd April 1891.)	35,578 (1st to 4th May 1891.)	17,251 (1st to 3rd June 1891.)	28,097 (1st to 3rd July 1891.)
On boats unloaded ... By Canal returns.	22,388 (1st to 3rd July 1890.)	18,546 (1st to 3rd August 1890.)	32,466 (1st to 3rd Sept. 1890.)	23,494 (1st to 3rd October 1890.)	30,008 (1st to 3rd Nov. 1890.)	25,941 (1st to 3rd Dec. 1890.)	77,328 (1st to 3rd Jan. 1891.)	1,71,337 (1st to 3rd Feb. 1891.)	1,08,494 (1st to 3rd March 1891.)	1,51,412 (1st to 3rd April 1891.)	13,099 (1st to 4th May 1891.)	25,741 (1st to 3rd June 1891.)	41,597 (1st to 3rd July 1891.)
Grand total of Stocks ...	20,30,851	19,40,852	19,28,993	18,34,189	17,74,009	16,60,245	16,56,152	19,48,592	22,51,564	25,88,478	26,15,723	22,02,470	19,69,311
Probable stock available for exportation by sea.	9¾ lakhs	9 lakhs	8¾ lakhs	7¼ lakhs	7¼ lakhs	6 lakhs	6 lakhs	9 lakhs	12 lakhs	13¼ lakhs	15¾ lakhs	11¾ lakhs	9¼ lakhs

C. E. Buckland,
Offg. Secy. to the Govt. of Bengal.

Statistical Department,
The 6th July, 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan .	13 4	13 4	14 0	...	...	...	14 4	14 4	12 0	16 11	17 4	15 9	...	...	...
2	Bankoora ...	15 0	15 0	14 8	20 0	20 0	20 0	16 8	17 8	16 0	18 8	20 0	17 8	.	...	...
3	Beerbhoom .	15 0	16 0	16 8	...	...	...	13 8	13 8	13 8	16 8	16 8	16 0	...	...	...
4	Midnapore ...	13 8	13 4	13 0	...	...	...	14 8	14 8	13 0	18 0	19 0	15 10	...	...	...
5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	14 0	14 0	13 0	...	...	...
6	Howrah ...	...	13 4	...	...	...	...	11 8	11 0	11 8	14 12	14 8	14 8	...	...	...
	Central Districts.															
	Calcutta	12 12	12 7	13 6	20 10	19 7	16 8	9 10	9 6	8 11	13 11	13 10	13 0	...	16 0	1 0
7	24-Pergunnahs	13 5	13 5	15 0	20 8	20 8	17 0	8 0	8 0	8 0	15 8	15 8	14 0	...	...	...
8	Nuddea ..	14 14	14 14	15 0	22 14	25 9	20 0	12 5	12 5	11 7	13 14	14 8	12 14	...	...	...
9	Khoolna ...	...	...	...	...	...	...	14 0	14 0	12 8	17 0	16 0	17 0	...	...	...
10	Jessore ...	13 4	12 5	13 4	...	...	...	13 0	13 0	11 0	16 0	16 0	14 8	...	...	...
11	Moorshedabad	15 8	16 0	16 0	...	..	...	12 0	12 0	11 0	15 0	14 8	15 0	...	...	...
12	Dinagepore ...	12 14	12 10	15 8	16 0	16 0	16 0	13 12	13 12	13 4	16 12	16 12	15 9	...	...	...
13	Rajshahye ...	16 8	16 8	16 8	26 4	26 4	19 8	13 8	13 8	12 12	14 4	14 10	13 8	...	...	...
14	Rungpore ...	10 10	10 10	13 5	...	.	...	9 6	9 6	9 6	12 4	12 4	13 5	...	...	...
15	Bogra ...	15 0	13 8	15 12	...	...	...	12 0	12 0	12 0	15 0	16 8	17 4	...	...	...
16	Pubna ...	17 0	17 4	19 0	...	.	..	7 2	7 5	7 8	15 0	15 0	14 4	...	...	...
17	Darjeeling ...	9 0	9 0	10 0	10 0	10 0	9 0	5 0	5 0	5 0	12 0	12 0	11 0	..	...	...
18	Julpigoree .	13 0	12 0	13 0	16 0	16 0	16 0	8 0	8 0	8 0	14 0	15 0	14 0	...	...	...
	Eastern Districts.															
19	Dacca ...	16 0	15 0	13 0	28 0	26 0	16 0	13 4	13 0	12 0	15 0	15 0	13 0	...	...	...
20	Furreedpore ...	20 0	18 0	15 0	18 0	20 0	20 0	12 0	12 0	10 0	16 0	16 0	15 0	...	...	...
21	Backergunge ...	...	...	...	...	...	...	.3 14	13 14	12 5	15 9	16 0	14 0	...	...	...
22	Mymensingh ...	12 0	12 0	11 8	...	...	...	11 0	11 8	10 4	13 0	13 0	13 8	...	...	...

A In the subdivisions the retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11 seers 2 chittacks, and Raneegunge 10½ seers.
B At Bishenpore the retail price of salt is 10 seers per rupee.
C At Rampore Hât the retail price of salt is 11¼ seers per rupee.
D In the subdivisions the retail prices of salt per rupee are :—Contai 9 seers, Tumlook 8 seers, and Ghatal 11 seers.
E In the subdivisions the retail prices of salt per rupee are :—Serampore 11 seers and Jehanabad 10 seers 10 chittacks.
F At Uluberia the retail price of salt is 10 seers per rupee.
G In the subdivisions the retail prices of salt per rupee are :—Baraset 10 seers 10 chittacks, Bussirhat (Baduria) 10½ seers, Diamond Harbour (Magrahat) 10 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
H In the subdivisions the retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers.
I In the subdivisions the retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.
J In the subdivisions the retail prices of salt per rupee are :—Jhenida 10 seers, Magura 9½ seers, Narail 9¾ seers, and Bongong 10½ seers.
K In the subdivisions the retail prices of salt per rupee are :—Jungipore 10 seers, Lalbagh 11 seers, and Kandi 10½ seers.

Head-quarter Station Bazars of the Districts of Bengal on the 30th June, 1891.

			WHOLESALE PRICES PER MAUND OF 40 SEERS.			AVERAGE WAGES PER MONTH.									
Salt.			Salt.			Able-bodied Agricultural Labourer.			Syce or Horse-keeper.			Common mason, Carpenter, or Blacksmith.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															BENGAL.
															Western Districts.
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
A 11 2½	11 2½	10 0	3 8 4	3 8 8	3 11 6	8 0	8 0	8 0	6 0	6 0	6 0	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Burdwan.
B 10 0	10 0	10 0	3 14 0	3 14 0	3 15 0	6 0 to 7 8	7 0 to 10 0	7 0 to 12 0	4 0 to 6 0	5 0 to 8 0	6 0 to 9 0	10 0 to 15 0	7 0 to 16 0	9 0 to 16 0	Bankoora.
C 10 8	10 14	10 8	3 12 0	3 12 0	3 10 0	6 0	5 0	6 0	6 0	6 0	5 0	7 8 to 10 0	10 0 to 12 0	12 0	Beerbhoom.
D 10 10	10 8	10 2	3 12 0	3 12 0	3 14 6	6 9	7 8	6 9	6 0	6 0	6 0	7 8 to 0	7 8 to 10 0	7 8 to 10 0	Midnapore.
E 10 0	10 0	9 0	3 12 0	3 12 0	3 11 6	9 13 6	7 15 6	9 6	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	10 0 8to 0	8 0 to 30 0	8 0 to 40 0	Hooghly.
F 10 8	10 8	10 10	3 8 0	3 9 0	3 11 0	7 8	7 8	7 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	24 0 12to 25 0	10 0 to 25 0	12 0 to 25 0	Howrah.
															Central Districts.
11 0	11 0	10 7	3 6 0	3 6 0	3 9 6	9 0 Agri. labourers.* 5 8	(Cooly) 8 0 5 0	8 0 5 0	6 0	6 0	6 0	15 0	(Common mason) 15 0	15 0	Calcutta.
G 10 12	10 12	10 0	3 6 0	3 6 0	3 8 6	9 0 to 10 0	9 0 to 10 0	9 0 to 10 0	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	15 0 to 20 0	15 0 to 20 0	15 0 to 20 0	24-Pergunnahs.
H 9 13	9 13	9 13	3 12 0	3 12 0	3 14 0	...	...	...	...	...	...	...	...	...	Nuddea.
I 9 0	9 0	8 0	4 0 0	4 0 0	4 4 0	7 8 to 9 6	7 8 to 9 6	7 8 to 9 6	7 0 to 9 6	7 0 to 8 0	7 0 to 9 0	10 0 to 25 0	12 0 to 25 0	12 0 to 30 0	Khoolna.
J 9 2	9 2	9 2	3 14 0	3 14 0	4 0 0	7 8 to 10 0	7 8	5 0 to 7 8	5 0 to " 0	5 0 to 7 0	4 0 to 6 0	10 0 to 20 0	10 0 to 15 0	10 0 to 15 0	Jessore.
K 11 0	11 0	10 10	3 10 0	3 10 0	3 12 0	...	.	...	...	...	...	.	...	...	Moorshedabad.
L 10 4	10 0	9 8	4 0 0	4 0 0	4 0 0	7 8	7 8	7 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Dinagepore.
M 9 9	9 9	9 0	4 0 0	4 0 0	4 2 8	...	..	...	...	...	...	...	...	..	Rajshahye.
N 9 6	9 6	9 6	4 4 0	4 4 0	4 4 0	...	...	...	...	...	...	...	...	...	Rungpore.
9 6	9 6	9 0	4 0 0	4 0 0	4 4 8	7 8	6 0 to 7 8	7 8	5 0 to 7 0	5 0 to 7 0	5 0 to 7 0	10 0 to 20 0	10 0 to 20 0	10 0 to 20 0	Bogra.
O 8 15	8 15	8 11½	3 14 0	3 14 0	3 15 0	5 0 to 6 8	6 0 to 6 8	5 0 to 6 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	7 0 to 20 0	7 0 to 20 0	7 0 to 20 0	Pubna.
P 8 0	8 0	8 0	5 0 0	5 0 0	5 0 0	7 8 to 8 0	6 0	7 0 to 8 0	8 0 to 10 0	8 0 to 9 0	7 0 to 10 0	15 0 to 20 0	11 0 to 30 0	11 0 to 20 0	Darjeeling.
Q 10 0	10 0	9 0	4 0 0	4 0 0	4 2 0	...	...	...	...	...	...	...	...	...	Julpigoree.
															Eastern Districts.
R 10 0	10 0	9 8	3 13 0	3 13 0	4 2 0	...	...	...	...	..	...	...	...	...	Dacca.
R1 10 0	13 4	10 0	4 0 0	3 0 0	3 14 0	7 8	7 8	10 0	8 0	8 0	10 0	15 0 to 25 0	10 0 to 20 0	15 0	Furreedpore.
S 10 10	10 10	10 5	3 12 0	3 12 0	3 14 0	..	...	...	..	...	...	..	...	...	Backergunge.
T 9 8	9 8	9 8	4 2 0	4 2 0	4 2 0	7 0 to 10 0	7 0 to 10 0	9 0 to 10 0	6 0 to 8 0	6 0 to 8 0	6 0 to 7 0	12 0 to 30 0	12 0 to 30 0	12 0 to 3[illegible]	Mymensingh.

* Malees and gardeners.

L At Thakurgaon the retail price of salt is 7½ seers per rupee.
M In the subdivisions the retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
N In the subdivisions the retail prices of salt per rupee are :—Kurigram 8 seers, Nilphamari 9 seers, and Gaibanda 9 seers 6 chittacks.
O At Sarajgunge the retail price of salt is 10 seers per rupee.
P At Kurseong and Silliguri the retail price of salt is 8 seers per rupee.
Q At Fallacotta in the Alipore subdivision the retail price of salt is 8½ seers per rupee.
R In the subdivisions the retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 9 seers, and Naraingunge 10 seers 10 chittacks.
R1 The retail price of salt at Goalundo and Madaripore is 10 seers per rupee.
S In the subdivisions the retail prices of salt per rupee are :—Bhola 8 seers, Perozepore 9 seers, and Patuakhali 9 seers.
T In the subdivisions the retail prices of salt per rupee are :—Kishoregunge 8 seers, Tangail 10 seers, Jamalpore 10 seers Sherpore 8 seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded**	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	12 0	12 0	11 0	...	...	...	12 8	12 8	12 0	16 1½	16 1½	15 8	...	...	...
24	Noakholly ...	...	...	...	...	...	...	15 0	15 0	13 8	16 0	16 0	14 0	...	...	...
25	Tipperah ...	10 0	10 0	13 5	..	..	..	10 0	10 8	10 0	15 0	15 3⅜	13 5	..	...	...
26	Chittagong Hill Tracts.	...	...	...	...	...	...	11 6¾	11 6¾	11 6	13 5	15 0	12 5	...	...	...
	BEHAR.															
27	Patna ...	18 0 17 0	Red. 18 0 White. 16 0	18 4 17 4	24 0	23 0	24 0	11 0	11 0	10 8	17 8	17 8	16 12	...	...	21 0
28	Gya ...	14 8	14 8	16 0	25 4	25 4	21 0	10 8	10 8	9 8	15 0	15 0	15 8	...	...	...
29	Shahabad ...	15 8	15 8	15 0	20 0	20 0	20 0	9 0	9 0	8 0	14 0	16 8	14 0	..	...	18
30	Durbhunga ...	15 6	14 0	15 6	24 3	22 0	21 0	21 1½	12 0	13 3	14 4½	15 0	15 6	...	...	...
31	Mozufferpore ...	16 0	16 0	17 8	22 0	22 0	20 0	12 0	12 0	9 0	14 0	13 0	15 0	...	...	...
32	Sarun ...	14 8	15 2	16 4	20 8	20 8	21 8	8 8	8 8	8 8	13 2	15 0	14 0	...	...	...
33	Chumparun ...	15 10	15 0	18 0	27 0	25 0	24 0	8 8	9 14	8 13	13 8	14 0	13 0	..	...	...
34	Monghyr ...	17 12	17 1	18 14	22 1	23 2	23 1	11 4	11 9	11 8	14 3	14 11½	15 12	13 10	14 11½	16 12
35	Bhagulpore ...	17 0	16 6	17 11	25 4	25 4	22 11	12 10	12 10	Old 10 1 New. 13 4	15 2	15 2	Old. 13 14 New. 17 0	..	...	...
36	Purneah ...	20 0	16 0	18 0	16 0	18 0	.	16 0	15 0	15 0	18 0	18 0	16 0	...	...	...
37	Maldah ...	17 0	17 0	18 0	...	...	...	11 0	9 0	10 0	14 8	15 8	14 0	...	...	...
38	Sonthal Perghs.	12 0	12 0	14 0	...	...	...	13 0	13 0	13 0	16 0	17 0	16 0	...	...	...
	ORISSA.															
39	Cuttack ...	10 8	10 8	10 8	...	...	...	11 13	11 13	10 8	17 1	17 1	17 1	...	...	...
40	Pooree ...	14 7	14 7	10 8	...	...	...	14 7	14 7	18 2	21 0	21 0	21 0	...	...	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	11 0	18 0	18 0	16 0	...	...	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh ...	14 0	13 8	14 8	16 0	16 0	18 0	8 0	8 0	9 0	14 8	15 0	16 0	...	...	...
43	Lohardugga* ...		Red. 12 0 White. 8 4	14 4 8 0		19 0	...		13 0	...		Ordinary. 15 8 Coarse. 17 0	16 0 18 0	...	...	...
44	Singbhoom ...	12 0	12 0	12 0	14 0	14 0	14 0	12 0	12 0	12 0	14 0	14 0	18 0	..		...
45	Manbhoom ...	13 0	13 0	14 0	...	16 0	...	12 8	13 0	13 0	18 0	18 7	19 0	...	...	...

* Present return not received.

T1 At Cox's Bazar the retail price of salt is 8 seers per rupee.
T2 At Fenni Hât the retail price of salt is 9 seers per rupee.
U In the subdivisions the retail prices of salt per rupee are:—Dinapore 9¾ seers and Barh 10 seers.
V In the subdivisions the retail prices of salt per rupee are:—Sasseram 10 seers, Bhabuah 9¾ seers, and Buxar 10 seers.
W In the subdivisions the retail prices of salt per rupee are:—Somastipur 11 seers and Madhubani 10½ seers.
X In the subdivisions the retail prices of salt per rupee are:—Hajipore 10 seers and Sitamarhi 10 seers.
Y In the subdivisions the retail prices of salt per rupee are:—Sewan 11 seers and Gopalgunge 10 seers 13 chittacks.
Z In the subdivisions the retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 9 seers.

CALCUTTA,
The 7th July, 1891.

Station Bazars of the Districts of Bengal on the 30*th June*, 1891—(concluded).

Salt.			Wholesale prices per maund of 40 seers. Salt.			Average wages per month. Able-bodied Agricultural Labourer.			Syce or Horse-keeper.			Common Mason, Carpenter, or Blacksmith.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	*Eastern Districts*—concluded.
T1 10 0	10 0	9 0	3 12 0	3 12 0	3 14 0	9 0	10 0	9 0	7 8	7 0	7 0	12 0	12 0	12 0	Chittagong.
T2 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	5 0 to 6 0	7 8 to 10 0	4 0 to 6 0	5 0 to 7 0	5 0 to 8 0	5 0 to 6 0	5 0 to 15 0	10 0 to 15 0	5 0 to 10 0	Noakholiy.
19 0	10 0	9 11	4 0 0	4 0 0	4 2 0	7 8 to 10 0	7 0 to 10 0	7 0 to 10 0	6 0 to 8 0	6 0 to 8 0	6 to 8 0	8 0 to 15 0	8 0 to 15 0	8 0 to 15 0	Tipperah.
8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	15 0	12 0	12 0	Not procurable.			20 0 to 25 0	20 0	20 0 to 25 0	Chittagong Hill Tracts.
															BEHAR.
U 11 0	10 12	10 0	3 11 0	3 10 0	3 13 0	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	4 8 to 5 0	4 8 to 5 0	4 8 to 5 0	7 0 to 8 0	7 0 to 8 0	7 0 to 8 0	Patna.
9 12	10 0	9 2	4 0 0	4 0 0	4 2 0	2 8 to 3 0	2 8 to 3 0	2 8 to 3 0	3 0 to 5 0	3 0 to 5 0	3 0 to 5 0	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	Gya.
V 10 8	10 8	10 0	3 13 0	3 13 0	3 15 0	...	...	...	...	...	...	...	...	..	Shahabad.
W 11 4	11 0	10 0	3 6 0	3 8 0	3 12 0	3 12 to 5 10	3 12 to 5 10	3 12 to 4 8	4 0 to 5 0	3 0 to 4 0	3 0 to 4 0	7 8 to	3 12 to 9 6	3 12 to 9 6	Durbhunga.
X 11 0	11 4	10 0	3 10 0	3 9 0	3 12 0	3 12 to 5 10	3 0 to 5 0	3 12 to 5 10	3 to 4 8	3 to 4 8	3 0 to 4 8	10 to 11 4	5 0 to 10 0	5 10 to 11 4	Mozufferpore.
Y 10 8	10 4	9 12	3 14 0	3 14 0	4 1 6	3 12 to 7 8	3 12 to 7 8	3 12 to 7 8	4 0 to 7 0	4 0 to 7 0	4 0 to 7 0	5 10 to 10 0	6 9 to 10 0	6 9 to 10 0	Sarun.
9 8	10 0	10 8	4 3 6	3 11 0	3 12 0	...	...	...	...	...	...	...	..	...	Chumparun.
Z 10 8	10 8	9 15	3 10 0	3 10 0	3 13 9	3 12 to 5 10	5 10	4 11 to 7 8	4 0 to 5 0	3 0 to 4 0	3 0 to 5 0	4 11 to 15 0	7 8 to 15 0	5 10 to 15 0	Monghyr.
Z1 10 8	10 11	10 1	3 12 0	3 12 0	3 15 6	4 to 5 0	3 12 to 4 11	4 11	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	10 0 to 16 0	7 8 to 11 4	7 8 to 9 6	Bhagulpore.
Z2 9 0	9 0	9 0	4 0 0	4 3 4	4 7 0	5 10 to 7 8	5 10 to 6 9	5 0 to 6 9	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	7 0 to 16 0	7 0 to 16 0	7 0 to 16 0	Purneah.
9 8	8 8	9 8	4 2 0	4 6 0	4 2 0	8 0	7 8	7 8	5 0	5 0	5 0	9 0 to 14 0	8 0 to 12 0	8 0 to 12 0	Maldah.
Z3 9 0	9 0	9 4	4 0 0	4 0 0	3 14 0	3 12 to 4 0	3 12 to 4 0	3 12	5 0	5 0	5 0	7 8 to 15	7 8 to 15 0	7 8 to 9 6	Sonthal Perghs.
															ORISSA.
Z4 11 0	9 0	8 0	3 12 0	4 6 0	4 7 0	4 11	4 11	5 0	5 0	5 0	4 8	7 8 to 9 6	7 8 to 9 6	6 0 to 7 8	Cuttack.
9 13	9 13	10 8	3 12 0	3 12 0	3 8 0	...	...	...	...	...	...	...	...	...	Pooree.
Z5 10 0	10 0	10 0	3 14 0	3 14 0	3 14 0	4 0 to 5 0	4 0 to 6 0	4 0 to 5 0	4 0 to 6 0	4 0 to 6 0	4 0 to 6 0	7 0 to 10 0	7 0 to 10 0	7 0 to 10 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
Z6 8 0	7 0	8 0	4 8 0	4 8 0	4 4 0	4 4	4 8	4 0	5 0	4 0 to 5 0	5 0	8 0	7 8	8 0	Hazaribagh.
	8 8	8 8		4 12 0	4 11 0		...	...	...	...	...	...	...	...	Lohardugga.
9 0	9 0	8 0	4 6 0	4 6 0	4 12	...	...	...	..	...	...	...	...	...	Singbhoom.
Z7 9 14	9 14	9 2	3 15 0	3 14 0	4 4 (		..	...	...	..	...	...	...	...	Manbhoom.

Z1 In the subdivisions the retail prices of salt per rupee are :—Banka 8 seers, Madehpura 10 seers, and Soopole 10 seers.
Z2 In the subdivisions the retail prices of salt per rupee are :—Kissengunge 8 seers and Arrareah (at Basantpur) 10 seers.
Z3 In the subdivisions the retail prices of salt per rupee are :—Dooghur 10 seers, Godda 9 seers, Pakour 10 seers, and Jamtara 10 seers.
Z4 In the subdivisions the retail prices of salt per rupee are :—Kendrapara 9 seers and Jajpur 8 seers.
Z5 At Bhuddruck the retail price of salt is 8 seers per rupee.
Z6 In the Giridi subdivision (at Whitty Bazar) the retail price of salt is 10¼ seers per rupee.
Z7 At Govindpore the retail price of salt is 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 14 4	2 15 1	2 11 11	1 11 3	1 12 9	2 3 1	3 14 4	4 0 3	4 5 2	2 10 7	2 10 9	2 13 2
2	Serajgunge ...	2 1 0	2 7 0	2 5 0	..	..	...	4 12 0	4 8 0	4 11 0	3 0 0	3 0 0	2 12 0
3	Dacca ...	2 6 0	2 8 0	3 0 0	1 4 0	1 8 0	2 7 0	2 14 0	3 0 0	3 4 0	2 8 0	2 8 0	3 0 0
4	Naraingunge	...	...	...	...	...	...	2 8 0	2 8 0	3 2 0	2 4 0	2 4 0	2 14 0
5	Chittagong	3 0 0	3 0 0	3 8 0	...	...	...	3 2 0	3 2 0	3 4 0	2 6 8	2 6 8	2 8 0
6	Patna ...	2 3 6 2 5 0	Red. 2 3 6 White. 2 8 0	2 3 0 2 5 0	1 10 3	1 11 6	1 10 3	3 9 9	3 10 0	3 12 0	2 4 6	2 4 6	2 5 6
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 8	2 3 0	2 3 0	2 6 0
8	Pooree ...		...	...	...	..		...	...	...	1 14 3	1 14 3	1 14 0
9	Cuttack ...	3 10 0	3 10 0	3 10 0	...	...	...	3 4 0	3 4 0	3 10 0	2 2 0	2 2 0	2 2 0

CALCUTTA,
The 7th July, 1891.

in the undermentioned Marts of Bengal on the 30*th June,* 1891.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer Arietinum.*)			INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 0 3	2 0 3	2 0 11	...	...	1 15 7	2 5 10	2 3 11	2 8 2	0 5 9	0 5 9	0 5 9	3 6 0	3 6 0	3 9 6	Calcutta.
1 14 0	2 6 0	2 8 0	...	...	...	...	...	...	0 5 6	0 8 0	0 6 8	3 13 0	3 13 0	3 12 0	Serajgunge.
2 7 0	2 7 0	2 12 0	...	...	...	2 7 0	3 14 0	3 0 0	0 5 0	0 5 0	0 4 0	3 13 0	3 13 0	4 2 0	Dacca.
3 8 0	3 8 0	3 8 0	...	...	...	4 8 0	4 8 0	3 12 0	0 8 0	0 8 0	0 8 0	3 10 0	3 8 0	3 12 0	Naraingunge.
3 0 0	3 0 0	3 2 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 12 0	3 12 0	3 14 0	Chittagong.
1 12 6	1 12 6	1 13 0	...	...	...	1 6	2 1 6	1 10 3	0 5 4	0 5 0	0 5 6	3 11 0	3 10 0	3 13 0	Patna.
2 12 0	2 12 0	2 12 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore.
(kalai). 2 10 6	2 10 6	...	...	...	...	2 4 0	2 4 0	...	...	...	...	3 12 0	3 12 0	3 8 0	Pooree.
(kalai). 2 2 0	2 5 0	2 10 0	...	...	...	2 2 0	2 2 0	2 2 0	0 8 0	0 8 0	0 8 0	3 12 0	4 6 0	4 7 0	Cuttack.

Published for general information.

C. E. BUCKLAND,

Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

STATION OBSERVATIONS.

Meteorological Division.	District.	Representative station.	Air pressure. Mean barometric height, 8 A.M.	Air pressure. Mean reduced to sea-level and to lat. 45°.	Air pressure. Variation from mean.	Wind. Prevailing direction.	Wind. Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·627	29·476	—	SW, WSW	360	92·7	28th June	80·6	1st July	88·1	82·2	85·2	—	83·7
		Gopalpore	29·536	29·497	—·053	SW	422	89·2	28th ,,	81·3	3, 4 ,,	86·7	82·4	84·6	+0·9	84·1
		False Point	29·540	29·502	—·050	SWly	264	93·5	28th ,,	75·6	30th June	88·7	77·8	83·3	—0·4	82·0
	Cuttack	Cuttack	29·478	29·500	—·059	SW	64	105·4	28th ,,	75·8	30th ,,	93·3	79·7	86·5	—0·3	83·6
	Balasore	Balasore	29·473	29·473	—·082	SEly	127	94·4	28th June & 2nd July.	73·8	28th ,,	88·5	77·3	82·9	—1·3	81·8
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·511	29·480	—·078	SWly	353	93·2	28th June	76·5	20th ,,	89·7	80·3	85·0	+0·4	83·8
	Midnapore	Midnapore	29·383	29·478	—·081	S	260	97·3	28th ,,	72·2	3rd July	92·6	77·1	84·8	—0·3	82·8
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·515	29·482	—·075	Sly	120	94·1	3rd July	74·2	28th June	90·2	78·5	84·4	+0·8	81·9
	Burdwan	Burdwan	29·436	29·481	—·075	S	94	95·1	4th ,,	76·9	28th ,,	92·2	79·4	85·8	+0·5	81·9
	Bankoora	Bankoora	29·214	29·460	—·075	Variable	97	96·1	28th June	75·6	28th ,,	91·8	78·4	85·1	—	82·8
	Beerbhoom, West Burdwan	Raneegunge	29·194	29·484	—·070	Calm	41	95·0	28th ,,	75·9	4th July	92·4	78·7	85·6	—0·4	82·3
	Moorshedabad	Berhampore	29·459	29·474	—·090	SE	102	93·2	28th ,,	76·3	29th June	90·4	78·9	84·7	0	82·2
	Nuddea	Krishnaghur	29·480	29·474	—·079	SSE	131	93·8	3rd July	76·7	28th ,,	90·3	79·0	84·7	—0·6	83·4
	Jessore, Khoolna	Jessore	29·505	29·485	—·093	SSE	105	92·7	3rd ,,	76·4	28th ,,	8[illegible]·9	78·8	84·3	—0·4	82·2
East Bengal.	Chittagong	Chittagong	29·520	29·560	—·082	SE	159	89·7	28th June & 4th July.	76·6	29th ,,	88·3	77·6	83·0	+1·8	82·7
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·557	29·514	—·072	S	104	90·8	28th June	76·4	20th ,,	89·0	78·1	83·6	+1·3	81·8
	Noakhally	Noakholly	29·548	29·538	—·081	E, SE		87·5	3rd July	75·8	28th ,,	85·6	77·6	81·6	—0·1	81·4
	Furreedpore	Furreedpore	29·521	29·508	—·073	SEly	120	91·5	2nd ,,	78·9	28th ,,	88·6	79·6	84·2	+0·8	82·9
	Dacca	Dacca	29·532	29·502	—·093	SE	220	90·1	2, 3 ,,	79·2	30th June & 4th July.	88·4	79·8	84·1	+0·2	82·6
	Commillah	Commillah	29·552	29·534	—·076	SE	171	89·4	4th ,,	76·7	29, 30 June & 1st July.	87·7	77·6	82·7	+0·1	81·0
	Mymensingh	Mymensingh	29·520	29·528	—·078	ESE	147	89·7	4th ,,	77·0	20th June	87·3	78·7	83·0	+1·0	80·8
North Bengal.	Bogra	Bogra	29·462	29·495	—·069	SE	104	91·3	3rd ,,	78·2	1st July	88·7	79·6	84·2	+0·6	86·7
	Pubna	Serajgunge	29·505	29·501	—·086	E	87	90·1	3, 4 ,,	77·2	30th June	89·2	78·0	84·1	+0·6	82·1
	Rajshahye	Rampore Beauleah.	29·463	29·481	—·072	SE	149	90·8	2, 3, 4 ,,	78·5	30th ,,	89·4	80·0	84·8	+0·4	83·5
	Maldah	Maldah	29·446	29·477	—	SE	83	94·6	28th June	76·7	4th July	89·6	78·9	84·3	—	82·3
	Dinagepore	Dinagepore	29·429	29·498	—·101	E	38	90·1	29th ,,	76·2	3rd ,,	88·6	78·3	83·5	—0·3	81·3
	Rungpore	Rungpore	29·451	29·527	—·096	E	60	92·3	4th July	77·7	30th June & 4th July.	89·7	78·7	84·2	+1·1	82·3
	Julpigoree, Cooch Behar	Julpigoree	29·288	29·523	—·079	?	91	90·4	30th June	75·1	3rd July	83·1	76·4	82·3	+0·2	80·2
	Darjeeling Hill Tracts	Darjeeling	2[illegible]·838?	—	—·054?	Ely	64	67·1	3rd July	55·6	29th June & 2nd July.	66·1	56·4	61·3	—0·4	61·0
North Behar.	Purneah, North Bhagulpore	Purneah	29·414	29·492	—·080	Calm	33	91·2	28th June	75·7	3rd July	87·0	70·8	82·2	—2·3	80·9
	Mozufferpore	Mozufferpore	29·327	29·457	—	ENE	176	94·3	28th ,,	76·2	3rd ,,	89·1	78·5	83·8	—	81·4
	Durbhunga	Durbhunga	29·390	29·508	—·056	ENE	158	93·9	28th ,,	77·0	2, 3 ,,	90·3	78·7	84·5	—0·1	81·4
	Chumparun	Motihari	29·303	29·483	—·068	ENE	173	92·2	28th ,,	75·9	29th June	89·5	77·8	83·7	—0·7	80·1
	Sarun	Chupra	29·523	29·455	—·077	E	124	98·3	28th ,,	75·6	20th ,,	91·7	79·0	85·5	—0·4	82·5
South Behar.	Shahabad	Dehree	29·167	29·468	—·067	SSW	109	104·4	28th ,,	73·5	3rd July	91·5	78·9	85·2	+0·2	82·9
		Buxar	29·262	29·452	—·084	E, ENE	159	94·4	28th ,,	*78·2	29th June	89·8	80·2	85·0	—0·8	83·9
		Arrah	29·319	29·458	—·065	ENE	19	100·9	28th ,,	76·6	29th ,,	90·7	79·9	85·3	—1·0	83·4
	Gya	Gya	29·132	29·456	—·083	Variable	118	99·5	28th ,,	77·3	30th ,,	91·0	79·2	85·1	—1·0	82·4
	Patna	Bankipore	29·330	29·463	—·088	E	133	98·5	29th ,,	75·2	29th ,,	90·4	78·8	84·6	—1·5	81·6
	South Bhagulpore, Monghyr	Bhagulpore	29·355	29·466	—·078	Calm, E	27	98·7	28th ,,	78·0	4th July	88·8	79·1	84·0	—0·9	82·3
	Sonthal Pergunnahs	Doomka	29·024	29·464	—·076	SEly	100	96·7	28th ,,	76·0	4th ,,	91·0	78·8	84·9	+0·3	82·0
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·547	29·474	—·066	WNW	177	99·2	28th ,,	?	?	86·6	?	?	?	·77·2
	Lohardugga, Manbhoom	Ranchee	27·427	29·467	—·065	SW, W	132	99·0	28th ,,	70·9	30th June	86·3	73·5	79·9	—0·1	77·5
	Singbhoom	Chyebassa	28·764	29·463	—·057	Wly	47	103·3	28th ,,	77·2	30th ,,	94·3	78·6	86·4	+0·6	82·1
Assam.	Sibsagar	Sibsagar	29·272	29·557	—·084	SE		92·1	28th ,,	75·5	4th July	89·4	76·4	82·9	—1·2	80·0
	Goalpara	Dhubri	29·465	29·533	—·083	Ely		89·2	2nd July	76·8	1st ,,	87·3	77·5	82·4	+1·1	79·5
	Cachar	Silchar	29·509	29·563	—·079	Calm		93·5	4th ,,	76·7	29th June	91·7	78·0	84·9	+1·6	81·5

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last.

The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 4th of July 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
86	9·0	0·11		2·32		1·23			12·13			3·01	Pooree ...	Pooree ...	Orissa.
82	6·0	Nil											Gopalpore ...		
90	9·4	5·96											False Point ...		
78	9·3	1·30		2·71		1·32			14·05			2·98	Cuttack ...	Cuttack ...	
89	5·9	1·46		2·20		1·19			12·72			3·13	Balasore ...	Balasore ...	
86	8·9	10·63	6·41	2·82	1·92	1·42	+0·50	13·10	14·44	−1·34	4·33	3·77	Saugor Island ...	South-West Midnapore / South 24 Pergunnahs	South-West Bengal.
86	3·7	1·31	3·15	2·52	1·40	1·29	+0·11	14·97	13·58	+1·39	3·33	3·13	Midnapore ...	Midnapore ...	
88	7·1	3·64	2·45	2·33	0·80	1·32	−0·52	11·11	14·31	−3·20	3·10	3·73	Calcutta ...	24-Pergunnahs / Howrah / Hooghly	
84	9·1	0·62	1·17	2·15	0·22	1·45	−1·23	13·57	13·20	+0·37	2·33	3·05	Burdwan ...	Burdwan ...	
84	7·0	2·34	3·30	2·79	3·31	1·18	+1·13	17·20	14·89	+3·31	2·75	3·94	Bankoora ...	Bankoora ...	
86	7·7	2·84	3·03	2·44	1·45	1·55	−0·10	14·95	14·20	+0·75	3·25	3·78	Raneegunge ...	Beerbhoom / West Burdwan	
92	6·9	2·17	4·56	3·07	1·33	1·91	−0·58	17·04	14·83	+2·16	3·67	3·90	Berhampore ...	Moorshedabad ...	
84	8·0	3·20	1·51	2·89	0·65	2·05	−1·40	14·99	15·49	−0·50	2·60	3·58	Krishnagur ...	Nuddea ...	
92	9·0	2·74	1·87	2·57	0·55	1·71	−1·16	15·08	17·48	−2·40	3·03	3·93	Jessore ...	Jessore / Khoolna	
83	7·9	0·68	237	6·06	1·41	3·95	−2·54	16·03	39·98	−23·95	4·50	4·96	Chittagong ...	Chittagong ...	East Bengal.
			0·64	3·83	0·55	2·35	−1·80	21·70	26·66	−4·96	2·00	5·30	Domagiri ...	Chittagong Hill Tracts	
77	7·9	2·13	4·84	4·24	1·17	2·70	−1·53	15·02	20·64	−5·62	5·25	4·75	Barrisal ...	Backergunge ...	
91	4·3	4·50	3·90	5·09	2·01	2·94	−0·93	25·42	36·33	−10·91	5·50	5·03	Noakhally ...	Noakhally ...	
90	5·4	0·44	0·82	2·70	0·50	1·96	−1·46	13·97	18·75	−4·78	2·33	3·37	Furreedpore ...	Furreedpore ...	
89	7·0	2·02	1·78	3·31	1·00	2·12	−1·12	24·19	19·77	+4·42	4·00	4·02	Dacca ...	Dacca ...	
88	4·1	0·65	1·38	2·87	0·45	1·79	−1·34	25·27	22·86	+2·41	3·00	4·01	Commillah ...	Commillah ...	
92	8·0	1·94		3·13		2·17			24·75			3·98	Mymensingh ...	Mymensingh ...	
89	7·1	1·80	1·70	3·34	0·68	2·40	−1·72	17·14	20·01	−2·87	4·25	3·97	Bogra ...	Bogra ...	North Bengal.
91	8·3	1·90	1·26	3·09	0·33	2·09	−1·76	16·38	17·37	−0·99	3·50	3·73	Serajgunge ...	Pubna ...	
89	5·4	1·11	1·51	3·18	0·62	2·19	−1·57	15·50	17·41	−1·91	3·67	3·74	Rampore Beauleah	Rajshahye ...	
91	7·6	5·60	5·72	3·53	2·90	2·42	+0·48	13·99	17·76	−3·77	6·00	4·20	Maldah ...	Maldah ...	
91	9·6	6·53	6·01	3·54	4·02	2·10	+1·92	16·65	20·86	4·21	4·40	4·15	Dinagepore ...	Dinagepore ...	
90	3·0	3·45	3·76	4·11	2·38	2·84	−0·46	23·20	31·53	−8·33	4·50	3·68	Rungpore ...	Rungpore ...	
93	4·3	8·85	5·55	6·20	3·95	4·09	−0·14	29·41	44·73	−15·32	4·80	4·60	Julpigoree ...	Julpigoree / Cooch Behar	
97	9·7	2·62	6·12	10·17	3·35	5·80	−2·45	28·54	44·81	−16·27	5·50	6·00	Darjeeling ...	Darjeeling Hill Tracts	
92	9·3	2·09	4·13	4·41	3·42	2·73	+0·69	17·23	18·44	−1·21	4·60	4·16	Purneah ...	Purneah / North Bhagulpore	North Behar.
91	7·9	4·24	3·14	3·47	1·50	1·84	−0·34	15·77	12·05	+3·72	4·67	3·38	Mozufferpore ...	Mozufferpore ...	
89	8·3	3·58	2·34	3·63	2·22	2·06	+0·16	13·72	12·79	+0·93	4·00	3·42	Durbhunga ...	Durbhunga ...	
90	9·7	2·36	2·87	3·04	1·35	2·13	−0·78	14·23	12·89	+1·34	5·50	3·22	Motihari	Chumparun ...	
90	6·9	1·53	1·60	3·44	0·85	1·97	−1·12	12·33	10·83	+1·50	2·67	3·25	Chupra ...	Sarun ...	
85	8·0	3·51											Dehree ...	Shahabad ...	South Behar.
85	8·6	0·78	2·05	2·41	0·80	1·47	−0·67	5·24	[illegible]·36	−3·14	3·40	3·24	Buxar ...		
87	5·7	2·65											Arrah ...		
87	7·6	2·17	3·81	2·68	2·61	1·36	+1·25	9·44	9·57	−0·13	4·25	3·26	Gya ...	Gya ...	
97	10·	2·80	5·43	3·20	2·32	1·68	+0·64	15·08	10·73	+4·35	4·50	3·70	Bankipore ...	Patna ...	
91	9·9	4·10	2·21	2·69	1·38	1·44	−0·06	11·89	11·[illegible]7	+0·72	3·46	3·73	Bhagulpore ...	South Bhagulpore / Monghyr	
97	5·9	2·09	2·75	3·12	1·89	1·66	+0·23	13·85	14·15	−0·79	3·83	3·95	Doomka ...	Sonthal Pergunnahs ..	
87	10·0	3·54	1·65	3·23	0·81	1·58	−0·77	8·69	12·86	−4·17	2·60	4·09	Hazaribagh ...	Hazaribagh ...	Chutia Nagpur.
82	8·7	0·96	3·74	2·59 / 2·28	3·14	1·30 / 1·25	+1·89	12·55	11·56 / 11·74	+0·81	4·00	3·85 / 3·50	Ranchi ...	Lohardugga / Manbhoom	
78	8·3	3·27	3·47	2·23	0·87	1·16	−0·29	8·09	12·64	−4·55	4·00	3·90	Chyebassa ...	Singbhoom ...	
97	6·9	7·83											Sibsagar ...	Assam ...	Assam.
93	9·6	4·19											Dhubri ...		
89	9·0	2·92											Silchar ...		

... ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
... denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
... years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisions

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 4th of July 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 28th June.	Monday, 29th June.	Tuesday, 30th June.	Wednesday, 1st July.	Thursday, 2nd July.	Friday, 3rd July.	Saturday, 4th July.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·02	...	......	......	......	0·10	......	1	0·12	1·75	0·10	0·79	4·82	10·65
		Khurdah ...	...	......	......	......	......	0·15				2·17		1·13		13·35
		Banpur ...	......	......	......	0·12						2·50		1·79		10·47
		False Point ...	1·08	0·86	0·10	0·05	......	3·85	0·02	4	5·96	2·56	3·92	1·42	8·99	13·86
		Gor ...										?		?		?
		Satpara ...	0·80									?		?		?
		Pipli										?		?		?
	Cuttack	Jagatsingpore	...	......	......	......	......	1·20				2·04		1·04		10·55
		Banki ..	0·14	0·02	0·04	0·18	0·18	0·15				3·68		2·11		15·10
		Cuttack ...	...	0·04	0·06	0·76	......	0·07	......	1	0·93	2·48	0·83	1·22	7·04	16·57
		Kendrapara ...	0·15	0·14	0·10	......	......	0·12	0·03	4	0·54	2·24	0·15	0·68	4·19	12·72
		Jajpore ...	0·60	0·19	0·56	......	......	......	......	3	1·25	3·09	Nil	1·56	0·63	15·26
		Dharmsala	......	1·45	...	2·70	0·20					?		?		?
		Salipore	......	0·08	0·10	0·20						?		?		?
	Balasore	*Akhoyapada* ...	0·39	0·22	0·06	......	0·41	0·27	......	4	1·35	?	0·68	?	7·20	?
		Chandbali	0·17	[illegible]	0·05	......	......	0·44				1·75		0·91		11·80
		Bhuddruck ..	......	0·70	......	......	2·42	0·45	0·15	4	3·72	2·18	3·02	1·20	9·02	18·53
		Sorah ...	......	0·29	......	......	......	0·60				1·93		0·89		11·29
		Balasore ..	0·09	0·50	0·18	......	......	0·04	0·25	3	1·06	2·36	0·29	1·19	8·36	13·35
		Jellasore ..										2·16		1·24		11·47
		Baripodah .	1·36	......	0·16	0·30	0·71	0·68	0·16	6	3·37	2·81	1·85	1·70	10·98	14·87
SOUTH-WEST BENGAL.	Midnapore	Contai	......	1·41	2·23	......	......	0·58	0·82	4	5·04	2·87	1·40	1·12	7·85	14·09
		Saugor Island	......	1·23	5·32	3·09	......	0·23	0·16	5	10·63	2·93	4·08	1·70	14·98	14·86
		Tumlook ..	0·80	0·60	0·10	0·06	......	......	2·20	4	3·76	1·52	2·28	0·72	16·02	12·79
		Midnapore ..	0·32	0·63	......	......	......	0·09	0·12	3	1·22	2·81	0·21	1·63	10·68	13·07
		Ghattal ..	2·08	0·61	0·07	......	......	......	1·72	3	4·48	3·24	1·73	1·53	17·63	14·87
		Kukrahaty ..	1·74	0·49	0·03	......	......	......	......	2	2·26	?	Nil	?	8·99	?
		Garbetta ...	1·19	......	......	......	......	1·05	0·61	3	2·85	?	1·60	?	16·08	?
	24-Pergunnahs	Diamond Harbour ...	1·08	1·30	0·90	......	......	......	0·20	4	3·57	2·65	0·20	1·45	16·47	14·25
		Canning Town	0·49	0·37	0·07	......	......	......	0·26	3	1·19	?	0·26	?	10·99	?
		Alipore Jail ..	1·16	0·35	0·28	0·03	......	......	1·84	4	3·68	2·34	1·89	1·24	11·17	14·67
		Barrackpore ..	1·56	0·40	......	......	......	......	......	2	1·96	3·01	Nil	1·22	9·24	14·55
		Dum-Dum ..	1·46	0·15	0·69	......	1·09	......	0·26	5	3·05	2·35	1·35	1·30	7·59	14·73
		Barasat .	0·39	......	0·94	......	......	......	......	2	1·33	2·15	Nil	1·?0	10·53	13·81
		Busserhat ...	0·71	......	0·82	......	0·65	......	0·07	3	2·25	2·30	0·72	1·56	13·86	15·97
	Howrah	Howrah	1·93	0·17	0·09	......	0·08	......	0·76	3	3·03	2·44	0·84	1·59	11·34	14·16
		Mohesroka ... (*Oolobertah*)	0·91	0·50	0·23	0·08	0·02	0·06	0·60	4	2·39	2·55	0·76	1·55	12·54	13·53
	Hooghly	Serampore ..	1·48	0·40	......	......	......	......	......	2	1·88	2·26	Nil	1·28	8·98	13·84
		Hooghly ...	0·20	0·97	......	......	0·50	......	......	3	1·67	2·11	0·50	1·2	11·46	13·56
		Johanabad	0·61	0·05	0·04	0·02	......	0·05	0·50	2	1·27	2·80	0·57	1·30	13·61	14·33
	Burdwan	Culna ..	......	......	......	......	......	......	......	Nil	Nil	2·29	Nil	1·53	12·06	12·55
		Burdwan ...	0·15	......	......	......	......	0·26	0·21	3	0·62	2·17	0·47	1·25	14·12	12·86
		Cutwa ..	0·55	0·30	1·85	......	......	......	0·20	4	2·90	1·98	0·20	1·58	14·54	14·21
		Raneegunge .	0·03	0·34	1·30	0·05	......	......	1·07	3	2·84	1·98	1·12	1·08	17·15	12·06
		Mankur ...	0·22	......	......	0·11	......	0·89	2·93	4	4·20	?	3·98	?	17·92	?
	Bankoora	Bankoora ..	0·76	0·02	0·03	......	......	0·03	1·50	2	2·34	2·32	1·53	1·03	14·98	13·62
		Bishenpore ...	......	......	......	......	......	......	3·10	1	3·10	2·75	3·10	1·51	18·42	15·25
		Mahara .	2·24	0·06	0·18	0·80	......	......	2·39	4	5·66	3·00	3·19	1·23	22·47	14·87
		Khatra ...	0·40	......	0·30	......	......	0·60	0·80	4	2·10	3·10	1·40	0·92	12·94	15·78
		Indas ..	0·85	......	0·03	......	......	0·97	2·03	3	4·48	?	3·60	?	17·47	?
		Kotalpore .	0·35	......	......	......	......	0·66	0·46	3	1·57	?	1·22	?	15·51	?
		Anda ..	0·08	......	0·12	......	0·15	0·20	......	3	0·55	?	0·35	?	5·83	?
		Gangajalghati	0·97	......	......	0·27	......	......	4·00	3	5·24	?	4·27	?	20·31	?
		Raspore ..	......	0·18	......	......	......	0·95	1·20	3	2·42	?	2·24	?	21·43	?
		Sonamukhi .	......	......	......	......	......	1·70	0·97	2	2·67	?	2·67	?	18·69	?
	Beerbhoom	Bh. Soory ..	2·49	......	0·59	1·35	......	......	0·64	4	5·07	2·39	1·99	1·55	14·86	14·77
		Hetampore ...	1·03	......	0·35	1·26	......	......	0·63	4	3·29	2·43	1·91	1·77	17·31	15·28
		Rampore Haut	......	......	0·15	0·03	......	0·09	0·64	2	0·91	2·95	0·76	1·81	10·44	14·66
		Bolpore ..	2·31	......	......	......	......	......	1·79	2	4·10	?	1·79	?	17·02	?
		Murari ..	......	0·30	......	......	0·80	1·21	2·08	4	4·39	?	4·09	?	13·63	?
	Nuddea	Ranaghat	0·10	0·20	......	......	......	0·08	0·07	2	0·45	2·27	0·15	1·44	12·19	14·23
		Kishnaghur ...	0·12	0·15	2·85	......	......	......	0·08	3	3·20	2·86	0·08	2·31	15·45	13·80
		Choosdanga	0·02	......	0·14	......	0·12	......	0·20	3	0·48	2·92	0·32	2·46	14·46	16·03
		Meherpore ..	......	0·22	......	......	1·25	......	1·20	3	2·67	2·80	2·45	2·13	18·40	15·53
		Kooshtea	......	......	0·50	0·10	......	......	0·08	2	0·77	3·13	0·27	1·91	14·50	17·87
	Khoolna	Satkhira	1·85	0·78	0·25	......	0·10	......	0·27	5	3·25	2·98	0·37	1·90	12·94	18·08
		Bagirhat	2·46	0·30	0·11	0·40	0·15	......	1·03	6	4·45	3·32	1·58	1·70	18·77	20·22
		Khoolna	0·18	0·22	0·13	0·06	0·14	......	0·90	5	1·63	2·67	1·10	1·59	11·49	17·88
		Nakipur ..	1·07	......	1·38	......	0·73	......	1·20	4	4·38	?	1·93	?	16·17	?
		Rampal .	0·72	0·43	0·82	......	......	......	......	3	1·97	?	Nil	?	10·00	?
	Jessore ...	Narail	0·61	0·06	......	0·10	......	......	0·25	3	1·02	1·96	0·35	1·61	10·95	15·87
		Jessore	1·74	0·35	0·41	0·14	0·10	......	0·02	5	2·74	2·42	0·26	1·59	15·72	18·06
		Jhenidah	......	......	1·79	......	......	......	0·62	2	2·41	2·28	0·62	1·55	18·06	17·74
		Magoorah	0·04	......	0·12	......	......	......	......	1	0·16	2·23	Nil	1·65	18·34	17·19
		Bongong	0·70	0·05	0·25	......	0·15	......	......	3	1·15	2·77	0·15	2·00	14·41	15·35
	Moorshedabad	Kandi ..	......	0·25	1·25	......	......	......	......	2	1·50	2·86	Nil	1·88	13·08	14·48
		Berhampore ...	......	0·78	0·71	......	......	......	0·68	3	2·17	2·85	0·68	1·80	15·42	14·75
		Lalbagh ..	......	0·56	0·52	......	......	0·08	0·52	3	1·68	2·91	0·60	1·63	17·07	13·87
		Azimgunge ...	......	0·85	1·20	......	......	0·05	1·45	3	3·55	2·64	1·50	1·79	14·81	15·00
		Jungipore ..	0·64	6·51	0·71	0·20	0·43	0·50	0·35	7	9·37	3·64	1·51	2·43	19·94	15·10
		Lalgola ..	......	4·85	0·56	......	......	3·45	0·25	4	9·10	3·54	3·70	1·91	21·65	16·12
		Akhigunj ..	......	0·34	0·31	......	......	1·18	......	3	1·83	?	1·18	?	15·32	?
		Patkabari	......	1·60	......	......	......	0·50	......	2	2·10	?	0·50	?	21·10	?
EAST BENGAL	Chittagong	Cox's Bazar ...	0·11	0·20	1·26	0·45	0·04	0·53	1·47	6	4·06	3·11	2·49	5·26	16·38	46·82
		Chittagong ..	......	0·12	0·22	......	......	0·26	0·07	3	0·67	4·02	0·33	2·63	15·66	33·14
		Kutubdia ..	0·08	0·38	0·51							?		?		?
		Satkania ..	......	0·02	0·43	0·30	0·02					?		?		?
	Chittagong Hill Tracts.	Rangamati ...	......	......	0·09	0·23	......	0·32	......	5	0·64	3·83	0·55	2·35	21·70	26·66
		Bundarban ...	......	0·15	0·30	0·07	0·02	0·42	......	3	0·96	?	0·51	?	26·30	?
	Backergunge	Patuakhally ...	4·40	0·60	0·97	......	......	0·25	0·85	5	7·07	4·65	0·90	2·74	19·62	30·74
		Ferozepore .	3·43	0·14	0·92	......	0·25	0·72	0·94	6	6·40	4·10	1·91	2·85	21·24	[illegible]
		Burrisal ..	1·55	0·13	0·15	0·15	......	......	0·39	5	2·42	3·36	0·54	2·05	12·62	23·16
		Bhola ...	2·06	0·10	......	0·18	0·28	0·80	0·06	5	3·47	4·83	1·32	3·16	18·57	[illegible]

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 4th of July 1891—contd.

Meteorological division.	District.	Station.	Sunday, 28th June.	Monday, 29th June.	Tuesday, 30th June.	Wednesday, 1st July.	Thursday, 2nd July.	Friday, 3rd July.	Saturday, 4th July.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
			RAINFALL.							TOTAL.						
EAST BENGAL—concld.		*Gournaddi*	1'55	0'20	0'16	......	0'26	......	0'30	5	2'47	?	0'56	?	14'07	?
		Bauphal	0'25	0'39	......	......	......	0'55	0'41	4	1'09	?	0'91	?	16'27	?
	Noakholly	Noakholly	1'87	1'01	0'10	0'30	......	0'50	0'70	6	4'54	5'14	1'56	3'20	28'34	35'14
		Fenny	......	0'46	0'35	0'63	......	0'18	1'05	5	3'27	5'04	2'46	2'67	22'45	37'19
		Harishpore	1'69	4'65	0'10							?		?		?
		Ramganj	2'47	0'19	0'79	0'07	......	0'79	0'22	5	4'53	?	1'08	?	19'77	?
	Furreedpore	Madaripore	......	0'36	......	0'22	......	......	0'30	3	0'97	2'50	0'61	1'77	11'10	19'30
		Furreedpore	......	......	0'10	0'12	......	......	0'20	3	0'42	3'01	0'32	2'27	16'18	19'65
		Goalundo	......	......	0'09	......	......	0'98	......	1	1'07	2'51	0'08	1'53	15'20	17'33
	Dacca	Munshigunge	0'20	0'07	0'30	0'20	......	0'15	0'54	5	1'46	3'65	0'84	2'54	20'19	22'96
		Dacca	0'67	......	0'28	0'20	......	......	0'96	4	2'11	2'70	1'16	1'81	27'77	19'42
		Narraingunge	0'14	0'05	0'31	0'19	......	......	0'21	4	0'90	4'33	0'41	2'00	25'44	21'22
		Manickgunge	0'64	0'02	0'38	0'09	......	0'06	1'45	3	2'64	2'66	1'69	2'13	23'85	15'53
		Joydebpore	......	0'08	......	......	......	0'46	1'09	3	2'23	?	1'55	?	21'85	?
	Hill Tipperah	Agartola	......	0'30	......	......	......	......	0'30	2	0'60	2'53	0'30	1'61	32'60	20'53
	Tipperah	Comilla	......	0'23	......	0'20	......	0'05	0'20	3	0'68	3'18	0'45	2'02	29'11	26'45
		Chandpore	1'45	......	0'33	......	......	0'33	0'10	4	2'21	3'57	0'43	1'91	19'04	22'94
		Brahmunberia	......	0'30	0'10	0'07	......	......	0'56	3	1'03	2'20	0'63	1'62	24'91	21'45
		Ramchandrapore										?		?		?
		Nasirnagar							0'55	1	0'55	?	0'55	?	23'31	?
		Daudkandi	......	......	......	......	......	......				?		?		?
		Kasba										?		?		?
		Laksham	0'25	......	......	......	......	0'65	0'50	3	1'40	?	1'15	?	28'15	?
	Mymensingh	Kishoregunge	......	0'76	0'43	......	......	......	0'18	3	1'39	3'04	0'18	2'03	41'74	25'96
		Atia (*Tangail*)	......	......	1'19	......	......	......	0'21	2	1'40	2'30	0'21	1'65	23'50	18'10
		Mymensingh	0'65	0'38	0'52	0'40	......	0'08	0'09	4	2'07	3'38	0'52	2'24	25'87	27'34
		Jamalpore	......	0'09	0'54	0'59	......	......	0'89	3	2'11	2'50	1'48	1'92	22'40	20'88
		Netrokona	0'41	1'42	0'17	0'35	0'85	0'10				4'42		3'03		31'42
		Subornakhali	......	0'15	0'11	......	0'20	......	......	3	0'46	?	0'20	?	14'21	?
		Durgapore	0'25	0'49	0'46	0'30	......	0'28				?		?		?
		Sherepore Town	0'04	......	0'88	0'39						?		?		?
		Dewanganj	......	'9	0'59	0'38	......	1'91				?		?		?
NORTH BENGAL.	Pubna	Pubna	......	0'10	0'27	......	......	......	0'14	3	0'51	3'20	0'14	2'00	12'85	17'12
		Seraigunge	......	0'75	0'74	0'31	0'12	......	0'09	4	2'01	2'07	0'33	2'18	19'86	17'59
	Bogra	Sherepore	0'11	......	0'41	0'19	0'11	......	0'18	5	1'00	3'32	0'48	2'24	13'33	10'94
		Nowkhilla	0'28	0'31	0'84	0'04	......	......	0'16	4	1'02	2'64	0'19	2'20	21'58	18'77
		Bogra	0'39	0'25	0'18	0'95	0'03	......	......	4	1'80	3'76	0'98	2'86	17'39	22'20
		Panchbibi	......	0'09	0'63	0'92	0'15	......	......	4	2'39	3'63	1'07	2'31	16'09	19'08
	Rajshahye	Beauleah	......	......	......	0'05	0'21	0'49	......	2	0'75	3'28	0'75	12'47	15'22	15'42
		Nattore	0'25	0'05	0'20	0'12	0'40	......	0'10	5	1'12	3'67	0'62	2'36	20'54	16'95
		Naogaon	......	1'39	0'76	0'10	......	......	0'49	4	2'65	2'59	0'50	1'74	10'72	19'94
		Lalpore	0'92	......	......	1'65	......	0'54	1'60	4	4'71	?	3'79	?	17'11	?
		Manda	1'00	0'20	0'81	......	......	0'05	0'40	4	2'45	?	0'45	?	12'01	?
	Maldah	Maldah	......	0'82	2'47	0'75	0'17	0'87	0'58	6	5'66	3'34	2'37	1'97	15'67	16'77
		Chanchal	......	1'75	0'58	0'18	0'52	1'20	1'54	6	5'77	3'72	3'44	2'86	12'38	18'74
		Gajol	......	2'21	2'05	0'41	0'30	3'65	1'51	6	10'13	?	5'87	?	16'00	?
		Sibganj	......	1'43	0'40	......	1'07	0'28	1'93	5	5'13	?	3'28	?	18'98	?
	Dinagepore	Mohadebpore	......	1'50	......	1'20	......	......	......	2	2'70	2'83	1'20	1'50	7'43	19'15
		Churamon	......	0'72	0'95	0'22	0'86	3'18	1'63	6	7'56	3'34	5'89	2'28	17'32	17'87
		Raigunge	......	2'20	2'00	1'40	......	5'20	0'18	5	10'98	3'79	6'78	2'21	25'67	21'54
		Dinagepore	......	1'15	0'59	0'71	0'23	3'14	......	5	5'82	4'04	4'08	2'50	16'96	24'60
		Baloorghat	0'07	0'15	0'04	1'82	0'09	0'18	0'05	4	3'00	3'67	2'14	2'02	16'05	21'04
		Thakoorgaon	0'24	0'74	1'24	2'53	3'25	3'75	......	6	11'77	?	9'55	?	30'73	
	Rungpore	Bhowanigunge (*Gyabanda*)	0'35	......	0'71	0'60	......	0'12	1'80	5	3'58	3'14	2'52	2'59	22'03	23'18
		Rungpore	1'69	0'38	0'22	0'31	0'25	......	0'11	6	2'96	5'13	0'67	3'48	24'97	30'39
		Kurigram	......	0'45	1'07	......	......	......	0'03	2	1'55	3'35	0'03	2'57	21'00	33'92
		Bagdogra (*Nilphamari*)	......	......	0'63	0'99	2'55	2'44	0'33	5	6'94	4'60	0'31	2'70	24'72	38'32
		Ulipore	......	......	0'75	......	0'67	......	......	2	1'42	?	0'67	?	22'99	?
	Julpigoree	Julpigoree	1'15	0'55	0'22	0'40	3'24	2'50	0'03	6	8'18	8'44	6'26	5'48	24'01	43'61
		Alipore Dooar	......	......	......	......	6'00	1'14	......	3	7'80	?	7'14	?	30'67	?
		Fallacotta	0'16	1'11	......	......	5'55	0'35	......	5	7'17	?	5'90	?	22'03	?
		Debiganj	......	0'28	1'39	1'60	4'91	2'37	......	5	11'08	?	0'41	?	21'59	?
		Bhagatpore (Nagrakatta)	1'46	0'43	0'04	0'10	2'94	0'58	......	5	5'55	?	3'02	?	29'13	?
	Cooch Behar	Dinhatta	......	......	1'35	0'40	0'55	0'92	0'03	4	3'25	3'81	1'90	2'68	27'91	41'77
		Cooch Behar	......	0'36	0'17	......	0'70	1'63	0'07	4	2'93	6'55	2'40	3'86	30'72	50'59
		Mekligunge	......	3'06	0'17	1'25	2'65	2'30	0'05	5	9'48	5'88	6'25	3'78	31'32	41'68
		Matabhanga	0'04	0'63	0'30	0'14	2'11	0'65	0'06	5	3'83	6'80	2'06	4'67	32'18	45'94
	Darjeeling Hill.	Buxa	5'05	0'05	0'06	0'24	7'72	0'63	......	4	13'73	15'34	8'57	8'54	47'76	70'94
		Silliguri	3'83	0'53	1'17	0'12	2'17	0'40	......	6	5'22	10'84	2'69	6'02	21'23	44'37
		Darjeeling	0'38	0'37	0'35	0'10	0'66	0'41	0'35	7	2'62	8'08	1'52	4'38	29'15	36'18
		Kalimpong	0'83	0'23	1'24	0'04	0'19	0'38	......	5	2'91	6'41	0'61	3'37	16'01	27'79
		Kurseong	2'06	1'54	0'30	0'20	1'00	0'42	0'50	7	6'02	?	2'12	?	34'07	?
NORTH BEHAR	Purneah	Kissengunge	......	0'61	0'22	0'80	0'12	0'40	0'04	5	11'19	6'15	10'36	3'65	25'18	25'13
		Arrareah	......	0'30	0'57	0'19	2'50	......	0'22	5	3'09	5'10	2'82	3'24	20'04	20'61
		Purneah	......	1'12	0'18	0'57	1'05	0'12	0'05	5	3'00	3'09	1'79	2'41	16'81	17'77
		Gondwara	1'61	......	0'20	0'53	0'11	......	0'41			?		?		?
		Balarampore	......	0'20	......	......	1'30	1'03	......	3	2'53	?	2'33	?	13'09	?
		Matiari	0'50	......	......	1'50	......	......	......	2	2'00	?	1'50	?	9'99	?
		Kaliaganj	0'11	1'77	0'83	0'36	2'60	0'43	......	6	6'19	?	3'48	?	20'10	?
	North Bhagulpore.	Maddapore	......	......	0'32	0'40	0'42	......	0'43	4	1'57	3'52	1'25	2'17	12'28	13'66
		Soopool	......	0'25	......	0'16	0'16	......	0'55	4	1'12	3'59	0'87	2'17	11'78	14'76
		Protabganj	......	1'05	......	......	5'15	......	......	2	6'20	?	5'15	?	20'63	?
	Durbhunga	Tajpore	......	0'05	......	0'72	0'16	0'64	0'14	4	1'71	3'45	1'66	1'78	16'68	12'06
		Durbhunga	......	......	0'03	0'14	0'04	3'02	0'33	3	3'58	4'03	3'55	2'50	11'72	12'89
		Madhubani	......	0'22	0'06	0'13	0'64	0'27	0'22	5	1'74	3'41	1'46	1'80	12'75	13'31
		Bahera	......	......	0'32	......	......	1'73	0'23	3	2'24	?	1'06	?	12'09	?
		Roshera	......	0'20	0'05	1'20	0'40	0'05	0'15	4	2'05	?	1'80	?	6'80	?
	Mozufferpore	Sitamarhi	......	0'70	0'11	0'25	0'22	0'30	0'08	5	1'66	3'64	0'85	1'93	22'52	12'56
		Mozufferpore	......	0'78	0'06	0'12	0'04	2'67	0'32	4	3'99	3'59	3'15	1'87	11'82	12'34
		Hajipore	1'35	......	1'90	0'11	0'10	0'30	......	5	3'70	3'17	0'51	1'73	12'84	10'90
		Paru	0'05	......	0'20	2'15	......	......	3'00	4	5'92	?	5'15	?	......	?
		Mahua	0'57	......	......	0'28	......	1'18	2'15	3	3'64	?	3'61	?	11'21	?
		Bihar	0'70	......	......	0'35	0'20	1'30	0'49	5	2'95	?	2'25	?	9'55	?
		Pupri	0'99	......	......	......	......	4'30	......	2	5'29	?	4'30	?	13'18	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 4th of July 1891—concld.

Meteorological division.	District.	Station.	Rainfall.							Total—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
			Sunday, 28th June.	Monday, 29th June.	Tuesday, 30th June.	Wednesday, 1st July.	Thursday, 2nd July.	Friday, 3rd July.	Saturday, 4th July.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari .	0·62	0·26	0·18	0·69	0·19	0·24	0·18	7	2·36	3·72	1·30	2 28	15·70	12·72
		Bettiah ...	0·68	1·32	......	0·66	0·02	0·08	0·03	4	3·39	3·55	1·30	1·98	12·76	13·02
		Bagaha ...	0·04	5· 3	0·48	0·38	1·58	0·05	......	4	7·66	?	2·01	?	26 37	?
		Burhurwa ...	......	2·05	0·06	1·08	0·19	0·01	0·03	3	3·42	?	1·31	?	14·70	?
	Sarun ...	Gopalgunge ...	......	0·90	......	1·15	0·20	......	......	8	2·25	3·82	1·35	2·13	15·18	11·27
		Sewan .	0·74	......	0·20	0·10	......	......	......	3	1·04	3·19	0·10	1·63	14·90	11·05
		Chuprah ...	......	0·41	......	1·06	0·03	... ..	......	2	1·50	3·31	1·09	2·13	6·88	10·15
SOUTH BEHAR	Shahabad	Buxar	......	......	......	0·36	0·24	... ..	......	2	0·60	2·36	0·60	1·51	3·11	7·91
		Dehree .	.. ...	0·90	1·61	......	0 65	0·60	0·05	4	3·81	2·28	1·39	1·16	6·10	8·02
		Bhaboosh ...	......	0·15	0·99	......	0·10	......	0·40	4	1·64	2·29	0·50	1·51	1·90	8·03
		Sasseram ...	......	0·80	1·11	......	0·66	.. ..	......	3	2·67	2·16	0·66	1·54	5·43	7 89
		Arrah ...	0 50	......	0·22	0·36	0·09	... ..	0·48	4	1·65	2·94	0·93	1 65	0·54	10·00
		Mohaniah .										?		?		?
	Gya .	Aurungabad ...	... .	0·71	2·56	......	1·72	0·35	0·23	5	5·37	2·60	2·30	1·32	7·51	9 62
		Gya ...	. .	0·09	0·42	0·13	0·47	1·03	0·03	4	2·17	2 36	1·66	1·38	8 30	9 80
		Nowadah ...	0 07	......	0·95	3·32	0·22	0·44	......	5	5·00	3·12	3·98	1·39	13 73	9·90
		Jehanabad ...	... ..	......	......	1·25	0·50	0·76	......	3	2·51	2 64	2·51	1·35	8·19	8 93
		Arwal	......	......	0·60	......	......	1 00	......	2	1·60	?	1·00	?	4·68	?
		Daudnagar	......	... .	. ....	0·15	......	... ..	......	1	0·15	?	0·15	?	2·85	?
		Sherrghatti .	......	0·41	0·11	......	.. ...	0·45	......	3	0·97	?	0·45	?	5·73	?
		Rajauli		......	.....							?		?		?
		Pakri Barawan	......	... ..	... ..	1·35	......	0·35	0·25	3	1·95	?	1·95	?	8·35	?
	Patna ...	Patna ...	... ..	1·13	0·50	0·23	0·06	0·46	0·12	5	2·80	3·15	0·87	1·67	13·41	11·42
		Dinapore	......	3 07	......	0·12	0·15	0·15	......	4	3·49	2·93	0·42	1 62	16·71	10·55
		Behar ...	... ..	1·82	... ..	0·20	... ..	2 62	4·12	4	8·76	3·21	6·94	1 66	15·35	11·06
		Barrh ...	......	0 20	5·12	0·28	......	0·55	0·20	5	6 65	3·51	1·03	1·76	14·81	0 81
		Bickram ..	......	0·32	.. ..	0·69	......	.. ..	0·10	3	1·21	?	0·69	?	11·06	?
		Hilsa ..	......	......	......	0 19	......	0·80	0·20	3	1·19	?	1·19	?	16·70	?
	Monghyr ...	Begooserai ...	......	0·03	......	......	0·16	0 23	......	2	0·45	3·30	0·39	1·44	8·81	10·75
		Monghyr	......	... ..	0·15	1·05	0·37	0·02	0·10	4	1·69	3·26	1·54	1·44	13 29	11·27
		Jamui .	......	0·30	2·00	......	......	0·19	... ..	3	2·49	2 85	0·19	1·56	9·46	10·51
		Gogri ..	......	......	......	......	1·17	......	......	1	1·17	?	1·17	?	18 71	?
		Sheikpura ..	......	2·15	... ..	......	......	......	2·90	2	5·05	?	2·90	?	14·35	?
	South Bhagulpore	Bhagulpore ...	.. ..	0·60	0·02	1·83	1·35	. ...	0·30	4	4·10	2·25	3·48	1·18	14·52	11·43
		Banka	.. ..	.. ..	1·20	0·84	0·22	.. ..	0 23	4	3·19	2 81	1 29	1 59	13·48	11·99
		Kolgong ...	.. ..	... ..	1·59	0·52	1·85	0·37	0·04	5	5·27	?	3·68	?	13 87	?
		Bangaon ...	......	......	.....	0·75	1·00	0·70				?		?		?
	Sonthal Pergunnahs.	Rajmehal ...	.. .	1·85	0·56	1·28	0·12	1·72	0·68	6	6·21	3·72	3·80	2·28	16·01	16·74
		Godda ...	.. ..	.....	0·07	1·29	2 15	0·03	.. .	2	3·45	2·71	3 38	1·46	11·81	11·58
		Pakour .	...	0 26	0·18	0·04	0·14	.....	0·23	4	1 15	3·58	0 71	1·92	14·55	16·02
		Nya Doomka	0·02	... .	1 16	0·45	......	. ...	1·05	3	2·60	3 05	1·51	1·65	12·70	13·80
		Deoghur .	.. ..	0 04	0·34	0·05	0·53	0·93	0·04	3	1·92	3·38	1·54	1 13	8 85	13·30
		Jamtara ...	0·21	0 30	0·11	0·23	0 10	......	0·06	5	1·10	2 28	0·50	1·24	15·18	12·51
		Mohagama .	... ..	......	...	0·80	2·14	......	......		......	?				?
		Nanimat .	.	.. .	0·65	0 40	......	......	0·85	3	1·90	?		?		?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba (Giridi). ...	. ..	0·48	0 ·03	... .	.... .	... ..	... ..	1	0·51	2·42	Nil	1·39	10 08	11·96
		Hazaribagh ..	0·74	0·73	0·27	0·11	......	0·08	1·61	5	3·54	3 48	1·80	1·54	10 09	12·05
		Seintaguran	0·35	...	..	......	... ..	0·40	......	2	0·75	3·20	0·40	1·25	6 45	12 26
		Mahudi Hills	......	0·81	0·34	......	......	......	......	2	1 15	3 14	......	1·93	7·86	12·18
		Jhoomra Hills										3 91		1·78		15·88
		Barhi ...	......	... .	0·45	......	... ..	0·66	1·20	3	2·31	?	1·86	?	10·36	?
		Chatra ..	. ..	0 27	0·22	......	... .	0·66	0·86	4	2·01	?	1 52	?	4·38	?
		Karagdeha ..	1·27	1·92	0 69	0·70	0·49	1·47	0·30	7	6·75	?	2·96	?	14·16	?
		Ramghar ..	0·45	......	......	......	......	0·75	2·50	3	3·70	?	3·25	?	7·80	?
	Lohardugga	Lohardugga ...										2·39		0·93		11·90
		Ranchi ...	... ..	0·38	0·78	... ..	......	0·20		3	1·36	2 92	0·20	1·46	6·88	13·42
		Palamow	... .	0·13	0·75	0·07						2 46		1 50		0·43
		Silli ..										?		?		?
		Balumat ..	. .	0·49	0 02	... ..	0·50					?		?		?
		Hosseinabad	.. ..	2 39								?		?		?
		Garwah .	......	.....	0·77	0·20						?		?		?
	Singbhoom .	Chyebassa ...	......	2·53	0·07	.. ..	0·57	0·10	0·20	4	3·47	2·23	0·87	1·16	8·09	12·64
		Chakradharpore.	. ....	2·21	.....	......	... ..	0·81	0·12	3	3·14	?	0·93	?	9·27	?
		Ghatsilla ...	2·25	1 00	1·80	. ..	......	...	1·50	4	6·55	?	1·50	?	14·32	?
		Baharagura	2·01	... ..	......	......	......	0·65				?		?		?
	Manbhoom	Purulia ...	... .	.. ..	1·00	......	......	0·46	2·72	3	4·18	2·34	3·18	1·26	15 68	12·60
		Gobindpore ..	0 08	0·12	... .	1·09	0·61	1·05	0·34	5	3·29	2 22	3·09	1·24	9·40	10 86
		Raghunathpore.	0·23	0 17	0·43	......	1·70	.....	2·03	5	4·56	?	3·73	?	13·59	?
		Barrabhoom	0·08	0·25	0·28	......	0·30	......	0·50	4	1·41	?	0·80	?	9·65	?
		Jhalda ...	..	1·67	......	2 16	... .	......	0 29	3	4·12	?	2·75	?	10·42	?
		Chas ...	......	0·5	0·30	......	......	0·15	0·40	3	0·90	?	0·55	?	11·90	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 7th July* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 4TH OF JULY 1891.

UP to the close of the previous week rainfall had been for a considerable period, almost entirely absent except in North Bengal and Assam and to a smaller extent over East Bengal. The unfavourable conditions in the Bay of Bengal for the advance of the monsoon current northwards over Bengal, which had existed since about the first week in June, had however disappeared from the 25th instant, and it was pointed out in last week's report that conditions had at the close of the week become decidedly favourable for the commencement of the rains in Bengal. The wave of moisture-laden winds had indeed probably advanced partly over the province on the morning of the 27th, for during that day and the following night rain in many instances accompanied by slightly stormy weather set in over Orissa and South-West and East Bengal, so that on the morning of the 28th fairly heavy rain was reported from these districts, nine stations reporting falls of two inches and upwards, while nearly twenty stations received from one to two inches. This advance of monsoon winds was accompanied on the morning of the 28th by a fall of pressure of about a twentieth of an inch, while temperature had fallen very rapidly over the southern districts where rain had fallen. Winds on this day remained rather strongly easterly over the whole province, and they appeared to carry the rain-bearing current further inland, for on the morning of the 29th, rain was reported generally over the whole province, and at some stations particularly heavy falls were received. Thus a fall of six and-a-half inches was registered at Jungipore in the Moorshedabad district, and falls of about five inches at Lalgola (Moorshedabad district), Harrishpore (Noakholly district), and Bagaha (Chumparun district); falls of two inches were also reported from about ten stations. On the 29th the pressure changes and the pressure distribution were a little irregular, but temperature continued to fall rather rapidly. Winds also became a little irregular, and westerly winds began to set in at the western stations. Moderate to heavy rain was again received in almost all districts, and on the morning of the 30th the following heavy falls were reported—Barrh (Patna district) 5·42 inches, Saugor Island 5·32 inches, and Krishnaghur 2·85 inches. Pressure on the 30th had risen over the whole province, but the variations of temperature were small, and winds remained practically unchanged. On the morning of July 1st the rainfall reported was by no means so general as it had been in Orissa, South-West and East Bengal and Chutia Nagpur, though it continued fairly general in Behar and North Bengal. In the Bay of Bengal also conditions had changed and indicated that the monsoon current was again being deflected towards Burma, and that it was long prevented from passing northwards over Bengal, for there was a distinct whirl or circulation of winds off the Arakan coast, and this appears to have determined a slight and partial break in the rains which lasted for about two or three days. The meteorological changes in Bengal on the 1st were that pressure was falling by about 0·03″, while temperature had risen by about 2° owing probably to the decrease in the rainfall. On the 2nd the slight break in the rains continued in the southern districts, and the whirl off the Arakan coast still existed, though it was scarcely so definite as it was on the 1st. Pressure continued to fall over the whole province of Bengal, while again temperature had risen by about 1° or 2°. On the morning of the 3rd the rain showers reported in the southern districts were still rather few in number, though fairly heavy and general rain was reported in Behar and North Bengal. On this day, however, the whirl off the Arakan coast had entirely disappeared, and conditions in the Bay once more became favourable for the advance of the monsoon winds generally over Bengal. Pressure on the 3rd continued to fall in the east and centre of the province, though in the western districts there was an increase, while temperature had generally risen. The monsoon current appears then to have again advanced over Bengal, for on the morning of the 4th rain had become general over South-West and East Bengal and over considerable parts of Chutia Nagpur, though in Orissa rainfall was more local, while Behar and North Bengal continued to receive moderate to heavy rain. The temperature changes on the 4th were irregular, but pressure in Bengal had risen moderately, but rather unequally, and there was on this day a distinct tendency for the production of a small barometric depression over the central districts as represented by such stations as Furreedpore and Berhampore, round which there was also a rather irregular though quite perceptible cyclonic circulation of winds. Thus at the close of the week the general conditions over the province were distinctly favourable for moderate to heavy rainfall, and for the inrush of a considerable volume of the moisture-laden monsoon winds.

The meteorological conditions for the week have, therefore been very important, as the monsoon rains have now set in. The date of their commencement may be said to have been June 27th over the southern half of the province and the 28th in Behar and Chutia Nagpur.

Pressure—Has been below the normal almost throughout the week, and the mean pressure has been rather largely in defect. The average deficiency is equal to no less than seven or eight-hundredths of an inch, and at some stations it almost equals a tenth of an inch. In Assam the mean pressure is also in defect of the normal by 0·082 inch.

Temperature—Has been nearly normal for the period, and the mean temperature of the province for the week is only a tenth of a degree lower than usual. In South-West Bengal the average temperature has been absolutely normal, in East and North Bengal it has been

a few tenths of a degree in excess, and in Behar a few tenths of a degree in defect. In Assam the mean temperature for the week has been 0·5° in excess.

Rainfall.—Rain has fallen on an average number of three or four days in each division of the province, and indeed the number of rainy days has been almost equal to the normal. The general rainfall for the week has, however, in five out of the seven divisions, been less than the normal, the two divisions in which slight excess falls have been received being South-West Bengal and South Behar. The defect in North Bengal has been very small, and equals only about 5 per cent. of the normal, in North Behar the defect is moderate, and equals about 20 per cent., but in Orissa and East Bengal the defects have been decidedly large, and they equal about 40 per cent. The average rainfall in North Bengal has equalled nearly four inches, and that in South-West Bengal, North and South Behar, and Chutia Nagpur has equalled about three inches. The falls in East Bengal have been little more than two inches, or an inch and-a-half less than the normal amount, while in Orissa the fall has been less than an inch and-a-half, or an inch in defect of the normal.

The falls in Assam have also been heavy, and at Sibsagar 7·83 inches is reported, at Dhubri 4·19 inches, and at Silchar 2·92 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 4th of July 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Averages for week. Of lowest of each day.	Averages for week. Of mean for each day.	Average mean of week above or below normal mean of week.	Of week. Average.	Of week. Normal average.	Of week. Variation.	Rainy days. Average number in week.	Rainy days. Normal average number in week.	Rainy days. Variation.	Since 1st of month. Average.	Since 1st of month. Normal average.	Since 16th May 1891. Average.	Since 16th May 1891. Normal average.
Orissa	105·4	73 8	89 1	79·9	84·5	—0 3	1·35	2·40	—1·05	2 15	3 11	—0·96	0·90	1·26	0·88	13·00
South-West Bengal ...	98·0	72·2	91·1	78·8	84·9	0	2·95	2·60	+0·35	3·31	3 71	—0·40	1·14	1·57	14·35	15·01
East Bengal	91·5	75·8	87·8	78·4	83·2	+0·7	2·12	3·06	—1·64	3·36	4·26	—0·90	0·70	2·37	22·64	25·98
North Bengal	94·6	75·1	89·0	78·7	83 0	+0·4	3·85	4·07	—0·22	4 30	4·06	+0·30	2·34	2·70	19·95	26·25
North Behar	98·3	75 6	89 7	78 2	83 9	—0·9	3·00	3 81	—0·81	4·31	3·59	+0·72	2·09	2·22	14·88	14·06
South Behar	104·4	73·5	90·5	79·3	84·9	—0·7	3·07	2 86	+0·21	3 71	3·60	+0·11	1·70	1·53	10·84	10·90
Chutia Nagpur	99·3*	? *	86·5*	? *	? *	? *	2·00	2·79	+0·11	3 96	3 90	+0·06	1·45	1·40	9·30	12·28
Assam	93·5	75·5	89·5	77·3	83·4	+0·5										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 7th July 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of June 1891.

	Inches.	Date.	Hour.
The mean pressure of the month	29·543		
The average pressure of June from 24 years' registers ...	29·549		
The highest pressure in the month	29·718	2nd	10
The lowest pressure in the month	29·383	12th	16
The range of pressure	0·335		
	Hours.		
The total number of hours of bright sunshine during the month	165·8		
The maximum possible number of hours of sunshine ...	403·4		
	°		
The mean temperature of the month	86·8		
The average temperature of June from 24 years' registers ...	85·0		
The highest temperature in the month	98·1	14th.	
The lowest temperature in the month	74·4	8th and 28th.	
The range of temperature during the month	23·7		
The mean daily range of temperature	13·2		
The greatest range of temperature in one day	16·3	1st.	
	Per cent.		
The mean humidity of the month	81		
The average humidity of June from 24 years' registers ...	81		
	Inches.		
The mean vapour tension of the month	1·022		
The average vapour tension of June from 9 years' registers ...	0·998		
The mean cloud proportion of the month	5·46		
The average cloud proportion of June from 14 years' registers ...	7·01		
The total rainfall of the month	5·94		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	5·80		
The average fall of June from 48 years' registers ...	12·08		
The greatest fall in 24 hours	2·41	8th.	
	Days.		
The number of rainy days in the month	14		
The average number of rainy days in June from 24 years' registers	19		
	°		
The mean maximum equilibrium temperature of solar radiation during the month	150·0		
The mean difference of sun and air temperatures	56·7		
The greatest sun temperature	156·5	3rd.	
The greatest excess of sun over air temperature	68·2	3rd.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	77·8		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	2 4		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	3·9	14th.	
	Miles.		
The mean movement of the wind per day	138·0		
The greatest movement of the wind in one day	226·0	14th.	
The greatest movement of the wind in one hour	20·0	28th, midn to 1 A.M.	

The number of hours with winds from each of the 8 points—

N. 4, N.E. 5, E. 35, S.E. 125, S. 330, S.W. 151, W. 42, N.W. 17, Calm 11.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·5° higher; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, India;
Calcutta, the 6th July 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 28th June to 4th July 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
June	28th	143 7	1 7	29·515	81·7	89·3	14 9	74·4	78·8	0·950	77·7	88	SSE and variable...	124	1·47	Chiefly cloudy, o, g, d, p.
„	29th	148 2	2·0	·517	82 3	85 0	7·9	77·1	74 4	·929	77·0	84	SW ..	143	0·16	Chiefly cloudy, o, g, p.
„	30th	131 7	Nil	·537	82 1	84·8	6·5	78·3	79 7	·984	78·7	89	S and SSW ...	128	0·13	Cloudy, o, g, d, p.
July	1st	152·8	5 0	·494	85 8	92 2	12·0	80·2	81·9	1·040	80 4	85	SSE and SSW ...	110	0·01	Day partially cloudy and night clear, o, g, d.
„	2nd	149·5	7 1	·423	87 1	94·2	14·0	80 2	82 4	1·042	80·5	81	SSE and SSW ...	111	Nil	Partially cloudy, ⌓.
„	3rd	158·3	5·7	·450	83·5	93·5	14·1	79·4	79·5	0 955	77·8	83	SE by S, W by N and variable.	116	1·78	Partially cloudy, o, g, p, t, <.
„	4th	126 5	Nil	·480	80 7	84·3	5·7	78·6	78·2	·933	77·1	89	W by N and SW by W.	113	0·47	Cloudy o, g, d, p.

	Inches.
The mean pressure of the seven days	29·488
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·533
	Hours.
The total number of hours of bright sunshine	21·8
The maximum possible number of hours of sunshine	94·2
	°
The mean temperature of the seven days	83·3
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·6
The extreme variation of temperature	19·8
The maximum temperature	94·2
	Miles.
The highest velocity of the wind in one hour	20
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	86
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	85
	Inches.
The total fall of rain from 28th June to 4th July 1891	4·02
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	3·48
The total fall from 1st January to 4th July 1891	17·79
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	23·64

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; <, lightning; ⌓, dew.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 6th July 1891.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of June 1891.

		Date.
	Inches.	
The mean pressure at 10 A.M. during the month	29·588	
	°	
The mean temperature at 10 A.M. during the month	87·7	
The highest temperature during the month	100·5	14th.
The lowest temperature during the month	74·6	28th.
The absolute range of temperature during the month	25·9	
The mean daily range of temperature during the month ...	15·1	
The greatest range of temperature in one day during the month ...	17·5	4th.
	%	
The mean 10 A.M. humidity during the month	75	
	Inch.	
The mean 10 A.M. vapour tension during the month	1·033	
	Inches.	
The total rainfall of the month	6·52	
The greatest fall in 24 hours	2·40	28th.
The number of rainy days in the month	7 days.	

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 6th July 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 28th June to 4th July 1891.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE. Daily mean.	Maximum.	Range.	Minimum.	HYGROMETRY. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
June ...	28th ...	29·573	82·8	91·0	16·4	74·6	82·4	79·0	·945	77·5	85	2·10
,, ...	29th ...	·568	82·2	87·5	10·7	76·8	83·6	79·5	·955	77·9	83	0·18
,, ...	30th ...	·585	84·0	90·0	12·0	78·0	81·4	79·5	·983	78·7	91	0·19
July ...	1st ...	·543	86·9	94·0	14·2	79·8	89·6	84·5	·973	78·4	90	Nil
,, ...	2nd ...	·487	87·7	95·5	15·7	79·8	91·4	83·5	1·006	79·4	99	0·14
,, ...	3rd ...	·467	88·3	95·6	14·6	81·0	90·6	82·5	1·009	79·5	95	Nil
,, ...	4th ...	·505	82·9	87·0	8·2	78·8	83·6	80·5	·950	77·7	96	1·34

	Inches.
The mean 10 A.M. pressure of the seven days	29·533
	°
The mean temperature of the seven days	85·0
The extreme variation of temperature	21·0
The maximum temperature	95·6
The mean 10 A.M. relative humidity of the seven days	92
	Inches.
The total fall of rain from 28th June to 4th July 1891	4·25

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 6th July 1891.

MEMORANDUM.

Report on the Vital Statistics in twenty-seven of the principal towns of Bengal for the Quarter ending 31*st March* 1891.

Births.

The total births registered in twenty-seven of the principal towns of Bengal during the three months ending with March 1891 numbered 6,412, being less than in the preceding quarter by 872, but greater than the average of five previous correspondng periods (1886—90) by 718, and correspond to an annual rate of 23·88 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 2·68 higher than the mean rate of the corresponding quarter of the past five years, 1886—90, and is also higher than the rate of the corresponding period of any of the past five years with which comparison is instituted, *vide* the figures below—

	Quarter ending 31st March of—						
	1886.	1887.	1888.	1889.	1890.	Quarterly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	20·92	20·32	20·52	23·16	21·44	21·20	23·88

Of the total births, 3,387 were males and 3,025 females, or, in other words, they occurred in the relative proportion 111 of the former to 100 of the latter. Although, on the whole, there were more boys born than girls, yet in nine towns, viz., Hughli and Chinsurah, Utterpara, Ranaghat, Santipore, Jessore, Narainganj, Mozufferpore, Chupra and Poori, the female births exceeded the male births.

The births registered in each of the twenty-seven principal towns during the first quarter of 1891, 1890, and the average of the five years, 1886—90, correspond to the following rates per 1,000 of the population of those towns :—

Towns.	Ratio per mille. Quarter ending 31st March of— 1891.	1890.	Average of five years, 1886—90.	Towns.	Ratio per mille. Quarter ending 31st March of— 1891.	1890.	Average of five years, 1886—90.
Burdwan	28·72	20·28	21·36	Narainganj	37·56	31·84	34·04
Midnapore	18·44	17·28	16·20	Chittagong	15·00	14·80	18·60
Hughli and Chinsurah	26·60	21·41	28·40	Comillah	41·72	31·96	33·44
Serampore	34·56	31·68	29·56	Patna City	12·48	11·72	16·64
Utterpara	26·84	23·92	21·68	Gya	26·52	22·40	23·32
Howrah	26·84	21·12	21·96	Arrah	25·12	33·28	16·84
Bali	22·12	10·40	19·16	Mozufferpore	27·40	19·08	15·04
Krishnagar	16·56	18·76	20·52	Durbhanga	31·76	30·48	31·76
Ranaghat	13·80	26·24	8·72	Chupra	26·08	20·32	16·84
Santipore	23·04	10·16	13·44	Bhagulpore	18·80	23·04	23·20
Jessore	17·40	9·10	14·56	Monghyr	39·60	31·28	31·48
Rampore Beauleah	44·44	30·08	33·12	Purneah	21·56	14·88	16·24
Darjiling	23·36	30·20	15·36	Poori	20·96	17·08	16·93
Dacca	17·56	16·80	16·60				
				Total ...	23·88	27·44	21·44

It will be seen that the highest birth-rate during the quarter under notice was recorded in Rampore Beauleah, where it amounted to 44·44 per mille per annum, and the lowest in Patna City, where it was only 12·48. Only in Rampore Beauleah (44·44) and Comillah (41·72) did the statistics of birth registration exceed the supposed standard of 40 per mille per annum. In only four out of the twenty-seven principal towns of Bengal, viz., Monghyr (39·60), Narainganj (37·56), Serampore (34·56), and Durbhanga (31·76), did the birth-rate exceed 30 per 1,000 : in the other towns in the list birth registration must be pronounced to have been more or less defective, and manifestly so with regard to the registration in Patna City (12·48), Ranaghat (13·80), Chittagong (15·), Krishnagar (16·56), Jessore (17·40), Dacca (17·56), Midnapore (18·44), and Bhagulpore (18·80), where the statistics are so imperfectly recorded that the ratio was less than 20 per 1,000 of population.

Deaths.

The total number of deaths registered in the twenty-seven principal towns of Bengal during the quarter ending 31st March 1891 amounted to 7,242, being greater than in the preceding quarter and the average of five previous corresponding periods by 334 and 1,497, respectively, and correspond to an annual rate of 27· per 1,000 of the aggregate population of those towns. This rate is 5·60 higher than the mean rate of the corresponding period of the past five years, 1886—90, and is also higher than the recorded mortality of the

corresponding quarter of any of the past five years with which comparison is instituted, *vide* the figures below—

	Quarter ending 31st March of—						
	1886.	1887.	1888.	1889.	1890.	Quarterly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	22·20	21·64	20·80	20·28	22·40	21·40	27·00

Of the total deaths 3,931 (ratio 28·24 per mille per annum) occurred among the male and 3,311 (ratio 25·64) among the female population, or proportionally 110 males died for every 100 females, calculated on the proportion such mortality bears to the total male and female population.

The loss by deaths from the different classes of the community was greater among the Christians (28·72 per 1,000 per annum) than among either Hindus (27·60) or Mahomedans (25·64), while the Budhists (3·92) suffered the least

The deaths registered in each of the twenty-seven principal towns during the first quarter of 1891, 1890, and the average of the five years, 1886—90, correspond to the following rates per 1,000 of the population of those towns :—

Towns.	Ratio per mille. Quarter ending 31st March of— 1891.	1890.	Average of five years, 1886—90.	Towns.	Ratio per mille. Quarter ending 31st March of— 1891.	1890.	Average of five years, 1886—90.
Burdwan	38·36	28·60	28·16	Narainganj	40·44	31·20	30·56
Midnapore	57·68	27·64	25·12	Chittagong	46·24	18·96	18·40
Hughli and Chinsurah	39·24	36·60	33·80	Comillah	36·40	37·60	32·56
Serampore	53·56	37·88	37·40	Patna City	14·08	10·56	15·96
Utterpara	39·20	36·28	26·84	Gya	43·96	36·92	32·36
Howrah	28·96	21·52	25·28	Arrah	12·12	18·00	9·84
Bali	22·12	20·76	22·12	Mozufferpore	19·16	12·44	13·00
Krishnagar	22·56	11·64	16·88	Durbhanga	25·76	22·60	23·32
Ranaghât	29·00	22·08	8·28	Chupra	16·48	11·84	10·12
Santipore	13·84	10·36	9·56	Bhagulpore	18·08	19·84	9·68
Jessore	41·88	41·88	27·28	Monghyr	25·72	19·80	17·44
Rampore Beauleah	33·72	25·24	29·88	Purneah	20·76	21·04	32·48
Darjiling	24·48	33·60	22·20	Poori	49·84	34·24	40·68
Dacca	20·00	18·08	19·28				
				TOTAL ...	27·00	22·40	21·40

Midnapore attained the highest death-rate during the quarter under report—57·68 per mille—and the lowest death-rate was recorded in Arrah, 12·12. The high death-rate in Midnapore was due to an excessive mortality from small pox, more than one-third of the total deaths having occurred from that disease. The total mortality of the twenty-seven principal towns during the first quarter of 1891 is higher than the total rates of the two past periods with which it is compared. Eliminating Midnapore, Serampore stands next with the death-rate 53·56, followed by Poori 49·84, Chittagong 46·24, Gya 43·96, Jessore 41·88, and Narainganj 40·44. The death rates in fifteen towns ranged between 39·24 and 19·16, and in the remaining five others they were below 18·08 and above 12·12. Registration seems to be still defective in Arrah 12·12, Santipore 13·84, Patna City 14·08, Chupra 16·48 and Bhagulpore 18·08, no improvement in this respect being perceptible in any of these places.

The following table shows the registered mortality of the quarter under review from the several registered death-causes compared with that of the preceding quarter, the figures of the corresponding quarter of 1890 and the average of the corresponding quarter of the previous five years, 1886—90 :—

	Ratio per 1,000 of population. Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	All other causes.
Quarter ending 31st March 1891	4·32	1·76	10·40	2·96	·40	7·08
Do. do. 31st December 1890	3·16	·33	11·76	3·40	·40	6·48
Do. do. 31st March 1890	2·64	·72	9·08	3·08	·48	6·32
Quarterly average of five years, 1886—90... ...	2·32	·20	8·84	3·12	·40	6·48

The above statement, compared with the figures of the past periods, shows a noticeable increase in the mortality of the first quarter of 1891 under the heads cholera and small-pox. Compared, however, with the fourth quarter of 1890 there is a diminution in the mortality of the first quarter of 1891 under the head fever, but in comparison with that of the corresponding quarter of 1890 and the average of five previous corresponding periods 1886—90, there is a noticeable increase in the mortality from this cause.

The total deaths from *cholera* numbered 1,164 (ratio 4·32 per mille per annum) against 848 (ratio 3·16) in the preceding quarter. The death-rate from cholera was highest in Naraingunj, where it was 14·32 per mille per annum, then in Ranaghat 13·80, Jessore 13·64, Midnapore 12·24, Krishnagar 10·48, Serampore 10·40, Hughli and Chinsurah 9·32, Burdwan 8·44, Howrah 8·40, Utterpara 7·96, Poori 7·72, Comillah 7·68, Gya 7·08, Rampore Beauleah 7·04, Santipore 3·88, Bali 3·76, Dacca 3·52, and Chittagong 2·52. Two towns, Darjiling and Chupra, were absolutely free from the disease.

Small-pox caused 478 deaths (ratio 1·76) against 89 (ratio ·32) in the quarter before. Chittagong and Midnapore returned by far the greatest number, the death-rates in these two towns being 25·48 and 21·08 per mille per annum, respectively, and next to them was Gya, 2·24. In Chittagong 141 deaths from small-pox were registered out of a total of 256, and in Midnapore 177 out of a total of 484 In eleven towns, viz., Hughli and Chinsurah, Utterpara, Bali, Krishnagar, Ranaghat, Santipore, Rampore Beauleah, Darjiling, Naraingunj, Comillah and Purneah the disease was entirely absent.

Fever carried off 2,793 persons (ratio 10·40), and the deaths from *dysentery and diarrhœa* numbered 794 (ratio 2·96) against 3,125 (ratio 11·76), and 907 (3·40), respectively, in the preceding quarter. All the towns returned deaths from both causes, but the greatest mortality-rates from fever were recorded in Gya 24·48, Darjiling 22·20, Jessore 22·12, and Rampore Beauleah 20·80. Serampore returned the highest death-rate from dysentery and diarrhœa 11·44, followed by Poori 9·68.

Injury caused 108 deaths (ratio ·40) against 112 (ratio ·40) in the preceding quarter, and the deaths from *all other causes* numbered 1,905 (ratio 7·08) against 1,827 (ratio 6·88) in the preceding quarter. Poori returned the highest death-rate from the unspecified diseases coming under the head "All other causes," viz., 14·20 per 1,000. Serampore stands next with 13·88, followed by Naraingunj 13·36, Midnapore 12·36, Comillah 11·24, Monghyr 10·96, and Utterpara 10·88.

With regard to *age*, infants (under one year) as usual perished in the largest number, 167·80 per 1,000 of population; next come old persons (60 years and upwards) with a death-rate of 76·68 per 1,000. The lowest death-rate occurred between the ages of 10 and 15 years (12·16).

Detailed information regarding the vital statistics of the twenty-seven principal towns of Bengal during the quarter under review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 4th July 1891.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the Quarter ending 31st March 1891.

1	2	3			4			5			6	7							8							9	10		11		12
												MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of population per annum.			Ratio of male births to every 100 female births.	Deaths from—							Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the previous quarter.	Deaths.		Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	All causes.		Males.	Females.	Males.	Females.	
Burdwan ...	Burdwan	18,063	16,017	34,080	148	97	*245*	17·36	11·36	*28·72*	152	72	2	142	46	7	58	*327*	8·44	·20	16·64	5·36	·80	6·80	*38·36*	30·60	171	156	37·84	38·92	97
Midnapore ...	Midnapore ...	16,927	16,633	33,560	80	75	*155*	9·52	8·92	*18·44*	106	103	177	52	46	2	104	*484*	12·24	21·08	10·16	5·48	·20	12·36	*57·68*	25·48	243	241	57·40	57·92	99
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	101	110	*211*	12·72	13·88	*26·60*	91	74	...	126	56	4	51	*311*	9·33	...	15·88	7·04	·48	6·40	*39·24*	34·20	182	129	45·88	32·56	140
Serampore ...	Serampore	13,559	12,937	26,496	128	101	*229*	19·32	15·24	*34·56*	126	69	1	110	76	7	92	*355*	10·40	·12	16·60	11·44	1·04	13·88	*53·56*	62·92	203	152	59·88	46·96	127
	Utterpara	3,046	2,464	5,510	16	21	*37*	11·60	15·24	*26·84*	76	11	...	19	9	...	15	*54*	7·96	...	13·76	6·52	...	10·88	*39·20*	45·00	36	18	47·24	29·20	161
Howrah ...	Howrah	53,153	37,660	90,813	346	264	*610*	15·24	11·60	*26·84*	131	191	11	159	120	13	164	*658*	8·40	·48	7·00	5·28	·56	7·20	*28·96*	33·92	387	271	29·12	28·76	101
	Bali	7,836	6,979	14,815	44	38	*82*	11·84	10·24	*22·12*	115	14	...	38	11	...	19	*82*	3·76	...	10·24	2·96	...	5·12	*22·12*	28·32	49	33	25·00	18·84	132
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	70	44	*114*	10·16	6·40	*16·56*	159	72	...	55	5	5	18	*155*	10·48	...	8·00	·72	·72	2·60	*22·56*	11·20	78	77	23·52	21·64	168
	Ranaghat	4,028	4,655	8,683	11	19	*30*	5·04	8·72	*13·80*	57	30	...	21	2	1	9	*63*	13·80	...	9·64	·92	·44	4·12	*29·00*	22·56	30	33	29·76	28·32	105
	Santipore	13,708	15,979	29,687	80	91	*171*	10·76	12·24	*23·04*	88	29	...	55	6	3	10	*103*	3·88	...	7·40	·80	·40	1·32	*13·84*	9·56	55	48	16·04	12·00	133
Jessore ...	Jessore	4,830	3,665	8,495	17	20	*37*	8·00	9·40	*17·40*	85	29	1	47	5	1	6	*89*	13·64	·44	22·12	2·32	·44	2·80	*41·88*	37·16	44	45	36·40	49·08	74
Rajshahye ..	Rampore Beauleah	10,766	9,025	19,791	117	103	*220*	23·64	20·80	*44·44*	113	35	...	103	8	2	19	*167*	7·04	...	20·80	1·60	·40	3·84	*[illegible]·72*	39·40	88	79	32·68	35·00	93
Darjiling ...	Darjiling ...	4,579	2,439	7,018	21	20	*41*	11·96	11·36	*23·36*	105	...	...	39	4	...	...	*43*	...	...	22·20	2·24	...	...	*24·48*	34·16	23	20	20·08	32·80	61
Dacca	Dacca	42,782	37,379	80,161	188	164	*352*	9·36	8·16	*17·56*	114	71	1	119	64	4	142	*401*	3·52	·04	5·92	3·16	·16	7·08	*20·00*	28·92	211	190	19·72	20·32	97
	Naraingauj ...	7,605	4,956	12,561	57	61	*118*	18·12	19·40	*37·56*	93	45	...	27	10	3	42	*127*	14·32	...	8·56	3·16	·92	13·36	*40·44*	67·80	81	46	42·60	37·12	114
Chittagong ...	Chittagong ...	13,340	8,790	22,130	51	32	*83*	9·20	5·76	*15·00*	159	14	141	45	4	1	51	*256*	2·52	25·48	8·12	·72	·16	9·20	*46·24*	20·04	137	119	41·04	54·12	75
Tipperah ...	Comillah	8,153	5,353	13,506	78	63	*141*	23·08	18·64	*41·72*	123	26	...	55	1	3	38	*123*	7·68	...	16·28	·28	·88	11·24	*36·40*	27·24	66	57	32·36	42·56	76
Patna	Patna City ...	78,761	81,476	160,237	281	220	*501*	7·00	5·48	*12·48*	127	60	37	200	62	18	188	*565*	1·48	·92	4·96	1·52	·44	4·68	*14·08*	14·60	292	273	14·80	13·40	110
Gya	Gya	38,290	37,831	76,121	253	252	*505*	13·28	13·24	*26·52*	100	135	43	466	9	3	181	*837*	7·08	2·24	24·48	·44	·12	9·56	*43·96*	38·72	446	391	46·56	41·32	112
Shahabad ...	Arrah	20,960	22,505	43,465	162	111	*273*	14·88	10·20	*25·12*	146	1	1	97	8	2	23	*132*	·08	·08	8·92	·68	·16	2·08	*12·12*	15·08	68	64	12·96	11·36	114
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	146	147	*293*	13·64	13·72	*27·40*	99	6	11	90	31	5	62	*205*	·56	1·00	8·40	2·88	·44	5·80	*19·16*	20·76	110	95	19·04	19·32	98
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	267	258	*525*	16·12	15·60	*31·76*	103	10	6	235	51	3	121	*426*	·60	·36	14·20	3·08	·16	7·32	*25·76*	27·80	211	215	24·96	26·60	93
Sarun	Chupra	25,116	26,554	51,670	161	176	*337*	12·44	13·60	*26·08*	91	...	20	43	28	6	116	*213*	...	1·52	3·32	2·16	·44	8·96	*16·48*	17·64	108	105	17·20	15·80	109
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	165	156	*321*	9·64	9·12	*18·80*	105	12	1	155	18	1	122	*309*	·68	·04	9·08	1·04	·04	7·12	*18·08*	17·04	190	119	21·76	14·28	152
Monghyr ...	Monghyr	28,154	29,366	57,520	294	276	*570*	20·44	19·16	*39·60*	106	3	21	135	47	6	158	*370*	·20	1·44	9·36	3·24	·40	10·96	*25·72*	27·24	193	177	27·40	24·08	113
Purneah ...	Purneah	8,463	6,553	15,016	41	40	*81*	10·92	10·64	*21·56*	102	4	...	58	7	1	8	*78*	1·04	...	15·44	1·84	·24	2·12	*20·76*	17·04	45	33	21·[illegible]4	20·12	105
Poori	Poori	13,247	11,537	24,784	64	66	*130*	10·32	10·64	*20·96*	97	48	4	102	60	7	88	*309*	7·72	·64	16·44	9·68	1·12	14·20	*49·84*	47·92	184	125	55·52	43·32	128
	TOTAL ...	556,262	516,097	1,072,359	3,387	3,025	*6,412*	12·60	11·28	*23·88*	111	1,164	478	2,733	794	108	1,905	*7,242*	4·32	1·76	10·40	2·96	·40	7·08	*27·00*	26·00	3,931	3,311	28·24	25·64	110

DISTRICTS.	NAMES OF MUNICIPALITIES.	13. Class. Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	14. Class. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Burdwan ...	Burdwan	...	243	84	...	...	......	41·04	32·72	...	...
Midnapore ...	Midnapore ...	2	395	87	...	...	35·84	60·92	48·16	...	...
Hughli ...	Hughli and Chinsurah.	1	237	73	...	...	17·36	37·48	47·36	...	...
Serampore ...	Serampore ...	3	308	44	...	...	37·60	48·80	187·60	...	...
	Utterpara	...	53	1	...	...	......	39·40	21·72	...	...
Howrah ...	Howrah	7	481	170	...	...	14·76	28·20	33·12	...	...
	Bali	1	75	6	...	...	117·64	22·36	18·28	...	...
Nuddea ...	Krishnagar ...	4	93	58	...	...	28·20	19·16	25·00	...	...
	Ranaghat	...	52	11	...	...	......	28·40	32·20	...	...
	Santipore	...	73	30	...	...	......	14·08	13·40	...	...
Jessore ...	Jessore	1	30	58	...	...	24·68	26·60	60·68	...	...
Rajshahye ...	Rampore Beauleah	...	96	71	...	...	......	38·72	28·92	...	...
Darjiling ...	Darjiling ...	2	38	3	...	...	50·00	33·08	19·60	...	...
Dacca ...	Dacca	1	204	196	...	...	8·40	20·24	19·92	...	...
	Narainganj ...	...	64	63	...	...	......	40·48	40·88	...	...
Chittagong ..	Chittagong ...	25	43	186	2	...	125·60	29·64	48·64	33·32	...
Tipperah ...	Comillah	...	37	86	...	...	......	24·88	46·52	...	...
Patna	Patna City ..	2	447	116	...	...	22·52	15·00	11·32	...	...
Gya	Gya	...	734	103	...	...	......	48·68	25·60	...	...
Shahabad ..	Arrah	...	87	45	...	...	......	11·20	14·48	...	...
Mozufferpore ...	Mozufferpore ...	..	136	69	...	...	......	18·08	22·08	...	...
Durbhanga ...	Durbhanga ...	...	334	92	...	...	......	27·56	20·92	...	...
Sarun	Chupra	...	162	51	...	...	......	16·32	17·12	...	...
Bhagulpore ...	Bhagulpore ...	...	219	90	...	...	......	17·88	19·08	...	...
Monghyr ...	Monghyr	...	301	69	...	...	......	26·92	21·92	...	...
Purneah ..	Purneah	...	44	34	...	...	......	19·16	24·00	...	...
Poori ...	Poori	1	305	8	...	...	93·00	49·72	57·12	...	...
	TOTAL ...	50	5,291	1,899	2	...	23·72	27·60	25·64	3·92	...

MORTALITY ACCORDING TO—

NAMES OF MUNICIPALITIES.	15. Age. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	88	29	16	17	16	52	38	60	26	35
Midnapore	43	30	47	23	48	84	94	37	26	52
Hughli and Chinsurah	35	32	11	19	15	34	36	41	31	57
Serampore	31	48	22	21	21	46	36	39	34	57
Utterpara	7	5	3	3	...	5	11	9	7	4
Howrah	94	80	22	26	30	104	85	83	51	83
Bali	11	7	3	2	...	18	7	9	6	19
Krishnagar	21	7	11	11	3	15	19	22	15	28
Ranaghat	7	5	2	3	6	8	7	11	5	9
Santipore	13	14	12	6	4	7	8	8	6	25
Jessore	6	8	7	3	6	13	16	6	14	10
Rampore Beauleah	25	15	12	8	7	18	19	24	19	20
Darjiling	8	8	3	2	3	6	3	4	2	4
Dacca	58	36	23	16	23	56	52	32	17	88
Narainganj	32	13	9	8	7	17	12	9	4	16
Chittagong	41	59	36	15	17	30	12	18	10	18
Comillah	29	11	8	5	3	14	16	8	8	21
Patna City	74	74	34	24	22	52	63	43	61	119
Gya	99	92	36	17	17	67	102	118	95	194
Arrah	23	7	6	5	14	9	11	13	12	33
Mozufferpore	43	37	15	12	7	13	20	11	12	35
Durbhanga	94	93	32	8	7	24	29	30	27	82
Chupra	53	31	11	6	10	10	12	14	14	52
Bhagulpore	42	21	13	14	22	35	41	27	32	62
Monghyr	112	52	15	10	15	31	25	20	6	82
Purneah	10	3	2	4	4	13	17	12	7	6
Poori	27	22	6	8	13	46	42	37	45	63
TOTAL	1,075	839	417	296	342	827	832	745	595	1,274

NAMES OF MUNICIPALITIES.	16. Age. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	230·28	51·40	27·44	27·00	20·44	26·24	22·00	54·32	42·36	94·44
Midnapore	231·48	51·00	59·16	30·24	60·72	45·72	67·76	89·68	50·40	113·64
Hughli and Chinsurah	174·32	57·68	15·24	30·60	23·88	21·88	25·20	39·28	47·68	109·96
Serampore	174·64	106·36	35·00	37·80	38·44	34·16	28·96	46·20	71·00	163·88
Utterpara	173·88	47·48	25·72	25·04	......	17·36	41·44	51·32	76·08	61·52
Howrah	152·24	57·76	13·96	15·76	16·36	18·32	17·60	23·24	37·12	88·48
Bali	121·52	28·60	11·24	6·72	......	21·48	10·00	18·56	23·88	103·80
Krishnagar	169·32	11·32	12·76	15·64	5·80	12·44	17·72	26·96	34·16	64·80
Ranaghat	135·24	25·12	7·16	13·80	38·52	21·20	22·44	43·60	27·60	63·24
Santipore	61·52	19·32	12·68	8·24	7·16	5·68	7·36	9·08	10·40	50·88
Jessore	123·68	64·76	35·28	18·04	32·76	25·80	41·80	22·84	99·44	87·32
Rampore Beauleah	246·28	42·28	23·08	17·72	16·84	17·32	21·08	39·12	61·24	83·04
Darjiling	264·44	49·76	20·48	16·36	18·72	12·00	8·36	23·12	32·76	94·64
Dacca	122·20	19·52	9·24	8·04	12·64	14·60	17·84	15·24	14·36	63·16
Narainganj	458·76	45·60	27·24	28·16	26·76	25·44	22·44	25·84	20·40	96·12
Chittagong	291·28	119·96	57·60	23·23	28·12	25·92	14·36	31·88	36·84	90·44
Comillah	390·56	33·60	19·64	13·68	9·52	20·28	32·08	24·32	39·92	123·88
Patna City	68·64	20·24	8·04	6·64	7·84	7·20	10·64	9·12	17·24	34·44
Gya	221·20	57·88	20·56	10·08	13·96	18·20	32·04	48·28	57·80	150·76
Arrah	68·32	6·28	4·64	4·52	17·76	4·56	6·80	11·08	15·48	45·76
Mozufferpore	180·08	36·60	13·32	12·12	9·20	6·04	11·44	8·76	14·76	57·48
Durbhanga	241·48	46·84	16·36	5·72	6·92	7·20	10·36	16·08	12·84	102·68
Chupra	150·24	24·00	7·36	4·76	11·52	4·32	6·16	9·20	13·52	61·12
Bhagulpore	117·04	12·92	7·36	7·68	17·76	10·72	14·92	14·12	25·20	57·60
Monghyr	301·68	33·40	8·48	6·96	18·00	11·96	11·20	12·52	6·00	91·44
Purneah	141·32	9·92	5·04	13·36	16·08	15·80	23·80	25·88	29·88	29·72
Poori	356·40	46·96	10·68	17·04	27·96	34·80	41·44	44·76	80·68	139·52
TOTAL	167·80	35·68	14·92	12·16	16·72	15·48	18·80	23·56	30·36	76·68

OFFICE OF SANITARY COMMISSIONER FOR BENGAL;
The 4th July 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 20th June 1891.

Births.

The total births registered during the week ending with Saturday, the 20th June 1891, in twenty-seven principal towns of Bengal, amounted to 350, and correspond to an annual rate of 17· per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is ·2 higher than the average rate of the corresponding week of the past five years, and is lower than the rate of the corresponding week of any of the past five years except 1886 and 1890; *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	15·9	17·8	17·1	19·2	14·0	16·8	17·0

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending— 30th May 1891.	6th June 1891.	13th June 1891.	20th June 1891.	Towns.	Weeks ending— 30th May 1891.	6th June 1891.	13th June 1891.	20th June 1891.
Burdwan	16·8	24·4	45·8	22·9	Narainganj	4·1	8·3	8·3	24·8
Midnapore	15·5	18·6	17·0	10·8	Chittagong	18·8	14·1	18·8	2·3
Hughli and Chinsurah	10·7	9·8	20·5	26·3	Comillah	27 0	15·4	11·6	11·6
Serampore	17·7	21·6	23 6	11·8	Patna City	9·1	10·1	7 8	11·0
Utterpara	9·4	18·9	9·4	18·9	Gya	16·4	17·1	15·7	19·1
Howrah	14·9	10·0	17·2	16·0	Arrah	14·4	12·0	16·7	35·9
Bali	14·0	17·5	10·5	10·5	Mozufferpore	30·4	21·9	32·8	32·8
Krishnagar	39·7	24·6	15·1	13·2	Durbhanga	43·3	13·4	29·0	15·7
Ranaghat	12·0	12·0	6·0	...	Chupra	10·1	16·1	18·1	14·1
Santipore	10·5	7·0	10·5	5·2	Bhagulpore	15·2	21·3	21·3	22·1
Jessore	6·1	...	18·4	6·1	Monghyr	24·4	34·4	28·0	23·5
Rampore Beauleah	26·3	26·3	42·0	18·4	Purneah	6·0	10·4	...	...
Darjiling	22·2	14·8	29·6	14·8	Poori	23·1	18·9	18·9	21·0
Dacca	15·6	11·7	14·3	10·2					
					Total ...	17·9	16·3	18·0	17·0

It will be seen that last week the highest birth-rate was returned from Arrah (35·9) and the lowest from Chittagong (2·3). No births were registered in the Ranaghat and Purneah towns.

Deaths.

The total deaths registered during the week under review amounted to 477, and correspond to an annual rate of 23·1 per 1,000 of the population. The rate of the week is ·3 higher than the average rate of the corresponding week of the past five years, and is lower than the rate of the corresponding week of any of the past five years except 1887 and 1889; *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	24·6	16·7	23·6	22·5	26·7	22·8	23 1

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending— 30th May 1891.	6th June 1891.	13th June 1891.	20th June 1891.	Towns.	Weeks ending— 30th May 1891.	6th June 1891.	13th June 1891.	20th June 1891.
Burdwan	21·4	18·3	41·7	15·3	Narainganj	16·6	4·1	16·6	24·8
Midnapore	26·3	20·1	17·0	18·6	Chittagong	37·6	37·6	25·8	21·1
Hughli and Chinsurah	23·0	13·1	24·6	24·6	Comillah	23·1	46·2	23·1	15·4
Serampore	31·4	25·5	41·2	27·5	Patna City	14·9	15·9	14·8	19·8
Utterpara	9·4	9·4	28·3	47·2	Gya	41·7	44·4	41·0	50·6
Howrah	12·0	24·0	16·6	23·5	Arrah	15·6	21·5	21·5	27·5
Bali	7·0	10·5	7·0	10·5	Mozufferpore	20·7	20·7	28·0	25·5
Krishnagar	18·9	3·8	7·6	9·5	Durbhanga	42·5	22·0	31·5	18·9
Ranaghat	18·0	12·0	12·0	18·0	Chupra	18·1	26·2	20·1	18·1
Santipore	7·0	8·8	5·3	...	Bhagulpore	25·9	38·1	45·0	25·9
Jessore	24·5	6·1	6·1	30·6	Monghyr	21·7	20·8	27·1	24·4
Rampore Beauleah	18·4	2·6	36·8	28·9	Purneah	13·9	34·6	6·9	13·9
Darjiling	14·8	44·5	44·5	7·4	Poori	12·6	33·6	14·7	27·8
Dacca	25·2	21·4	18·8	23·1					
					Total ...	22·0	22·9	23·0	23·1

According to the figures returned, the highest mortality occurred in the town of Gya (50·6) and the lowest in Darjiling (7·4). No deaths were registered during week under review in Santipore town.

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns:—

Cholera.	Ratio per *mille.*	*Fevers.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Bhagulpore ...	... 14·5	Rampore Beauleah	... 28·6	Poori ...	... 16·8
Gya ...	... 9·6	Gya ...	... 22·5	Gya ...	... 15·7
Howrah ...	... 8·0			Midnapore ...	... 13·9
Patna City ...	... 7·8			Monghyr ...	... 10·8
Dacca ...	... 5·2				

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 4·4 from cholera, against 4·8 in the preceding week; ·4 from small-pox, against ·6; 8·7 from fever, against 8·8; 1·9 from dysentery and diarrhœa, against 2·5; ·5 from injury, against ·7; and 7·2 from other causes, against 6·5 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	22·9	Christians ...	37·4	Under 1 year	... 188·7
Females	23·4	Hindus ...	23·1	1 and under 5 years	... 47·0
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	98	Mahomedans ...	23·2	5 „ 10 „	... 18·3
				10 „ 15 „	... 8·0
				15 „ 20 „	... 13·4
				20 „ 30 „	... 11·9
				30 „ 40 „	.. 12·9
				40 „ 50 „	... 13·2
				50 „ 60 „	... 21·9
				60 years and upwards	... 51·7

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. Gregg, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 6th July 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 20th June 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
					Number of—			Ratio per 1,000 of Population per annum.				Disease.															Sex.				
												Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
		Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	12	3	*15*	18·3	4·6	*22·9*	400	...	...	6	1	...	3	*10*	...	...	9·2	1·5	...	4·6	*15·3*	42·7	4	6	11·5	19·5	59
Midnapore ...	Midnapore ...	16,927	16,633	33,560	3	4	*7*	4·8	6·2	*10·8*	75	...	1	2	...	...	9	*12*	...	1·5	3·1	...	...	13·9	*18·6*	17·0	6	6	18·4	18·8	97
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	7	9	*16*	11·5	14·8	*26·3*	77	...	...	8	1	...	6	*15*	...	...	13·1	1·6	...	9·8	*24·6*	24·6	8	7	26·2	23·0	114
Serampore ...	Serampore ...	13,559	12,937	26,496	5	1	*6*	9·8	2·0	*11·8*	500	3	...	3	4	...	4	*14*	5·9	...	5·9	7·8	...	7·8	*27·5*	41·2	8	6	30·7	24·1	127
	Utterpara	3,046	2,464	5,510	1	1	*2*	9·4	9·4	*18·9*	100	3	...	1	...	1	...	*5*	28·3	...	9·4	...	9·4	...	*47·2*	28·3	4	1	68·3	21·1	323
Howrah ...	Howrah	53,153	37,660	90,813	13	15		7·4	8·6	*16·0*	86	14	...	15	6	...	6	*41*	8·0	...	8·6	3·4	...	3·4	*23·5*	16·6	25	16	24·5	22·2	111
	Bali	7,836	6,979	14,815	1	2	*3*	3·5	7·0	*10·5*	50	...	...	2	1	...	...	*3*	...	...	7·0	3·5	...	...	*10·5*	7·0	2	1	13·3	7·5	177
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	4	3	*7*	7·5	5·7	*13·2*	133	...	...	3	...	...	2	*5*	...	...	5·7	...	...	3·8	*9·5*	7·6	5	...	19·6	...	No female death.
	Ranaghat	4,028	4,655	8,683	...	...	...	...	...	...	...	...	...	1	...	...	2	*3*	...	...	6·0	...	...	12·0	*18·0*	12·0	1	2	12·9	22·3	57
	Santipore	13,708	15,979	29,687	1	2	*3*	1·7	3·5	*5·2*	50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5·3	...	...	...	...	...
Jessore ...	Jessore	4,530	3,665	8,495	...	1	*1*	...	6·1	*6·1*	No male birth.	...	...	3	1	...	1	*5*	...	...	18·4	6·1	...	6·1	*30·6*	6·1	3	2	32·3	28·4	113
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	2	5	*7*	5·3	13·1	*18·4*	40	...	...	9	...	2	...	*11*	...	...	23·6	...	5·3	...	*28·9*	36·8	4	7	19·3	40·3	47
Darjiling ...	Darjiling	4,579	2,439	7,018	2	...	*2*	14·8	...	*14·8*	No female birth.	...	...	1	...	...	...	*1*	...	...	7·4	...	...	...	*7·4*	44·5	1	...	11·4	...	No female death.
Dacca ...	Dacca	42,782	37,379	80,161	14	11	*25*	9·1	7·1	*16·2*	127	8	...	10	4	1	11	*34*	5·2	...	6·5	2·6	·6	7·1	*22·1*	18·8	18	16	21·9	22·3	98
	Narainganj ...	7,605	4,956	12,561	3	4	*6*	8·3	16·5	*24·8*	50	...	...	2	1	...	3	*6*	...	...	8·3	4·1	...	12·4	*24·8*	16·6	4	2	27·4	21·0	130
Chittagong ...	Chittagong ...	13,340	8,790	22,130	...	1	*1*	...	2·3	*2·3*	No male birth.	1	...	3	1	1	3	*9*	2·3	...	7·0	2·3	2·3	7·0	*21·1*	25·8	4	5	15·6	29·6	52
Tipperah ...	Comillah	8,153	5,353	13,506	...	3	*3*	...	11·6	*11·6*	No male birth.	...	...	4	...	...	...	*4*	...	...	15·4	...	...	...	*15·4*	23·1	4	...	25·5	...	No female death.
Patna	Patna City ...	78,762	81,475	160,237	14	20	*34*	4·5	6·5	*11·0*	70	24	1	14	3	...	19	*61*	7·8	·3	4·5	1·0	...	6·2	*19·8*	14·3	29	32	10·1	20·4	93
Gya	Gya	38,290	37,831	76,121	17	11	*28*	11·6	7·5	*19·1*	154	14	3	53	...	1	23	*74*	9·6	2·0	22·5	...	·7	15·7	*50·6*	41·0	25	43	35·3	66·0	53
Shahabad ...	Arrah	20,960	22,505	43,465	17	13	*30*	20·3	15·6	*35·9*	130	3	2	10	...	..	8	*23*	3·6	2·4	11·9	...	...	9·6	*27·5*	21·5	13	10	32·3	23·1	139
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	8	19	*27*	9·7	23·1	*32·8*	42	...	...	11	5	...	5	*21*	...	...	13·3	6·1	...	6·1	*25·5*	28·0	16	5	36·0	13·2	272
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	10	10	*20*	7·8	7·8	*15·7*	100	...	...	13	1	...	10	*24*	...	...	10·2	·8	...	7·8	*18·9*	31·5	11	13	16·9	20·9	81
Sarun	Chupra	25,116	26,554	51,670	8	6	*14*	8·0	6·0	*14·1*	133	1	1	9	1	...	6	*18*	1·0	1·0	9·1	1·0	...	6·0	*18·1*	20·1	9	9	18·6	17·6	105
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	16	13	*29*	12·2	9·9	*22·1*	123	19	...	4	3	2	6	*34*	14·5	...	3·0	2·3	1·5	4·5	*25·9*	45·0	17	17	25·3	26·5	95
Monghyr ..	Monghyr	28,154	29,366	57,520	14	12	*26*	12·7	10·8	*23·5*	116	1	...	8	6	...	12	*27*	·9	...	7·2	5·4	...	10·8	*24·4*	27·1	14	13	25·9	23·0	112
Purneah ...	Purneah	63	6,553	15,016	...	...	...	...	...	...	...	...	..	2	...	...	2	*4*	...	...	6·9	...	...	6·9	*13·9*	6·9	3	1	18·4	7·9	233
Poori	Poori	13,247	11,537	24,784	8	2	*10*	16·8	4·2	*21·0*	400	...	...	2	1	2	8	*13*	...	...	4·2	2·1	4·2	16·8	*27·3*	14·7	6	7	23·6	31·6	74
	Total ...	556,262	516,097	10,72,359	179	171	*350*	8·7	8·3	*17·0*	101	91	8	179	40	10	149	*477*	4·4	·4	8·7	1·9	·5	7·2	*23·1*	23·9	245	232	22·9	23·4	96

Districts.	Names of Municipalities.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of Population per annum.					Deaths.										Ratio per 1,000 of Population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	7	3	...	...	...	15·4	15·2	...	...	2	1	...	2	...	2	1	1	...	1	157·6	23·0	...	41·3	...	13·1	7·5	11·8	...	35·1
Midnapore	Midnapore	1	8	3	...	...	233·2	16·0	21·6	...	...	1	1	...	...	2	2	1	2	1	2	70·0	22·1	...	...	32·9	14·2	9·4	27·9	25·2	56·8
Hughli	Hughli and Chinsurah	...	13	2	...	...	...	26·7	16·9	...	...	7	1	3	...	...	...	1	...	1	2	451·3	23·4	54·1	...	...	...	9·1	...	20·0	50·2
Serampore	Serampore	1	11	2	...	...	163·9	22·7	110·9	...	...	3	3	...	...	...	1	3	1	...	3	219·7	84·6	...	...	...	9·7	31·4	15·4	...	112·1
	Utterpara	...	5	...	...	...	...	46·8	...	...	...	...	1	...	1	...	...	2	...	1	...	...	123·5	...	108·6	...	...	96·0	...	141·3	...
Howrah ...	Howrah ...	2	26	13	...	...	54·9	19·8	33·0	...	...	1	7	3	1	3	8	5	7	4	2	25·2	65·7	24·8	7·9	21·3	18·3	13·5	31·0	37·9	27·7
	Bali	...	3	...	...	...	...	11·6	...	...	...	...	...	1	...	1	1	...	...	...	...	...	...	48·8	...	30·0	15·5	...	...	...	...
Nuddea ...	Krishnagar	...	3	2	...	...	...	8·4	13·6	...	...	...	...	...	...	...	...	1	...	3	1	...	...	...	...	...	...	12·1	...	74·0	30·1
	Ranaghat	...	3	...	...	...	...	21·3	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	41·7	108·6	...	...
	Santipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jessore ...	Jessore ...	...	2	3	...	...	...	23·1	40·8	...	...	2	...	...	...	...	...	1	...	1	1	536·1	...	...	...	...	...	34·0	...	92·4	113·5
Rajshahye ...	Rampore Beauleah	...	8	3	...	...	...	42·0	15·9	...	...	4	2	1	...	...	1	1	...	2	...	512·3	73·3	25·0	...	...	12·5	14·4	...	83·8	...
Darjiling ...	Darjiling ...	...	1	...	...	...	...	11·3	...	...	...	...	1	...	...	...	...	...	...	...	...	...	80·9	...	...	...	...	...	...	...	...
Dacca ...	Dacca ...	...	19	15	...	...	...	24·5	19·8	...	...	3	5	2	3	1	3	8	1	2	6	83·2	35·3	10·5	19·6	7·1	10·2	35·7	6·2	22·0	56·0
	Naraingunj	...	2	4	...	...	...	16·4	33·8	...	...	2	3	...	...	...	...	...	...	...	1	372·8	136·8	...	...	...	...	...	...	...	79·8
Chittagong	Chittagong	...	1	8	...	...	...	9·0	27·2	...	...	1	4	...	1	...	1	...	...	2	...	93·4	105·7	...	20·2	...	11·2	...	...	95·9	...
Tipperah ...	Comillah ...	...	...	4	...	...	...	...	28·1	...	...	...	...	1	...	...	...	1	...	...	2	...	...	31·9	...	...	...	26·1	...	...	153·4
Patna ...	Patna City	...	48	18	...	...	...	18·8	22·9	...	...	2	11	7	3	4	10	6	5	3	10	24·1	39·2	21·8	10·8	18·6	18·0	13·4	13·8	11·0	37·7
Gya ...	Gya ...	...	57	17	...	...	...	49·4	55·0	...	...	16	18	4	...	3	8	2	4	6	13	461·8	147·3	29·7	...	29·8	28·3	8·2	21·0	47·5	131·3
Shahabad ...	Arrah ...	...	14	9	...	...	...	23·5	37·7	...	...	9	5	2	1	...	3	...	1	1	1	363·4	58·7	20·3	11·8	...	19·9	...	11·1	16·8	18·0
Mozufferpore ...	Mozufferpore	...	17	4	...	...	...	29·4	16·7	...	...	10	2	2	...	...	2	1	1	...	3	544·5	25·7	23·1	...	...	12·1	7·5	10·4	...	64·1
Durbhanga ...	Durbhanga	...	17	7	...	...	...	18·3	20·7	...	...	6	4	8	1	...	...	...	...	2	3	200·4	27·3	53·2	9·4	...	...	...	...	23·7	48·8
Saran ...	Chupra ...	...	17	1	...	...	...	22·1	4·4	...	...	6	4	...	...	1	...	2	3	1	1	221·1	40·3	...	...	15·0	...	13·4	25·7	12·6	15·3
Bhagulpore ...	Bhagulpore	...	26	8	...	...	...	27·6	22·0	...	...	4	6	4	2	2	7	3	1	1	4	144·9	48·1	29·4	14·3	21·0	27·9	14·2	6·8	10·3	48·3
Monghyr ...	Monghyr ...	1	22	4	...	...	218·5	25·6	16·4	...	...	11	6	...	...	2	...	...	...	...	8	335·2	50·1	...	...	27·5	...	...	...	...	116·0
Purneah ...	Purneah ...	...	2	2	...	...	...	11·3	18·4	...	...	...	...	...	...	2	...	...	2	...	...	...	...	...	...	104·6	...	...	56·1	...	...
Poori ...	Poori ...	...	13	...	...	...	...	27·6	...	...	...	3	...	1	...	...	...	4	1	2	2	514·9	...	23·2	...	...	...	51·3	15·6	46·6	57·6
	Total ...	5	340	132	...	...	37·4	23·1	23·2	...	...	93	85	39	15	21	49	44	32	33	66	188·7	47·0	18·2	8·0	13·4	11·9	12·9	13·2	21·9	51·7

Office of Sanitary Commissioner for Bengal,
The 6th July 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee and Brahmapootra for the month of April 1891.

Date.	Distance.	RIVER GANGES. Mirzapore. From Allahabad ... 86 miles. Height over zero of gauge.	Mirzapore. Height over mean sea-level.	Benares. From Allahabad ... 134 miles. Height over zero of gauge.	Benares. From Mirzapore ... 46 miles. Height over mean sea-level.	Buxar. From Benares 90 miles. Height over zero of gauge.	Buxar. Height over mean sea-level.	Dinapore. From Benares 177 miles. Height over zero of gauge.	Dinapore. From Buxar ... 87 miles. Height over mean sea-level.
1st	...	3·00	209·22	1·75	198·55	1·92	170·97	8·10	142·33
2nd	...	2·92	209·14	1·58	198·38	1·92	170·97	8·00	142·23
3rd	...	2·92	209·14	1·54	198·34	1·83	170·88	7·90	142·13
4th	...	2·92	209·14	1·50	198·30	1·75	170·80	7·80	142·03
5th	...	2·83	209·05	1·46	198·26	1·67	170·72	7·70	141·93
6th	...	2·75	208·97	1·42	198·22	1·67	170·72	7·60	141·83
7th	...	2·67	208·89	1·37	198·17	1·58	170·63	7·60	141·83
8th	...	2·58	208·80	1·37	198·17	1·50	170·55	7·50	141·73
9th	...	2·50	208·72	1·37	198·17	1·50	170·55	7·50	141·73
10th	...	2·42	208·64	1·35	198·15	1·42	170·47	7·40	141·63
11th	...	2·33	208·55	1·33	198·13	1·42	170·47	7·40	141·63
12th	...	2·17	208·39	1·31	198·11	1·33	170·38	7·30	141·53
13th	...	2·08	208·30	1·29	198·09	1·25	170·30	7·30	141·53
14th	...	2·00	208·22	1·27	198·07	1·08	170·13	7·20	141·43
15th	...	1·83	208·05	1·25	198·05	0·92	169·97	7·20	141·43
16th	...	1·67	207·89	1·23	198·03	0·92	169·97	7·10	141·33
17th	...	1·67	207·89	1·21	198·01	0·75	169·80	7·10	141·33
18th	...	1·58	207·80	1·19	197·99	0·67	169·72	7·10	141·33
19th	...	1·50	207·72	1·00	197·80	0·50	169·55	7·10	141·33
20th	...	1·50	207·72	0·83	197·63	0·42	169·47	7·00	141·23
21st	...	1·42	207·64	0·67	197·47	0·42	169·47	7·00	141·23
22nd	...	1·33	207·55	0·33	197·13	0·33	169·38	7·10	141·33
23rd	...	1·33	207·55	0·00	196·80	0·25	169·30	7·10	141·33
24th	...	1·25	207·47	0·00	196·80	0·17	169·22	7·10	141·33
25th	...	1·25	207·47	0·00	196·80	0·17	169·22	7·20	141·43
26th	...	1·25	207·47	0·00	196·80	0·08	169·13	7·30	141·53
27th	...	1·25	207·47	0·00	196·80	0·08	169·13	7·30	141·53
28th	...	1·25	207·47	Below zero. 0·02	196·78	0·08	169·13	7·20	141·43
29th	...	1·50	207·72	0·04	196·76	0·08	169·13	7·20	141·43
30th	...	1·75	207·97	0·06	196·74	0·08	169·13	7·20	141·43

Date.	RIVER GANGES. Monghyr. From Benares 287 miles. Height over zero of gauge.	Monghyr. From Dinapore 110 miles. Height over mean sea-level.	Sahebgunge. From Benares 381 miles. Height over zero of gauge.	Sahebgunge. From Monghyr 94 miles. Height over mean sea-level.	Rampore Beauleah. From Benares 471 miles. Height over zero of gauge.	Rampore Beauleah. From Sahebgunge ... 90 miles. Height over mean sea-level.	Goalundo. From Benares 591 miles. Height over zero of gauge.	Goalundo. From Rampore Beauleah ... 120 miles. Height over mean sea-level.
1st	0·58	102·41	Below zero. 2·50	65·50	Below zero. 1·06	40·94	2·50	11·44
2nd	0·50	102·35	2·58	65·42	1·10	40·90	2·58	11·52
3rd	0·46	102·31	2·67	65·33	1·17	40·83	2·58	11·52
4th	0·38	102·13	2·67	65·33	1·25	40·75	2·58	11·52
5th	0·25	102·10	2·75	65·25	1·33	40·67	2·50	11·44
6th	0·17	102·02	2·83	65·17	1·42	40·58	2·42	11·36
7th	0·08	101·93	2·92	65·08	1·50	40·50	2·50	11·44
8th	0·04	101·89	3·00	65·00	1·58	40·42	2·75	11·69
9th	Below zero. 0·08	101·77	3·08	64·92	1·67	40·33	3·00	11·94
10th	0·12	101·73	3·08	64·92	1·77	40·23	3·25	12·19
11th	0·17	101·68	3·17	64·83	1·85	40·15	3·50	12·44
12th	0·21	101·64	3·25	64·75	1·92	40·08	3·67	12·61
13th	0·25	101·60	3·33	64·67	1·98	40·02	3·67	12·61
14th	0·33	101·52	3·33	64·67	2·02	39·98	3·50	12·44
15th	0·42	101·43	3·42	64·58	2·06	39·94	3·17	12·11
16th	0·50	101·35	3·50	64·50	2·10	39·90	2·75	11·69
17th	0·54	101·31	3·50	64·50	2·12	39·88	2·25	11·19
18th	0·58	101·27	3·58	64·42	2·14	39·86	2·17	11·11
19th	0·62	101·23	3·58	64·42	2·17	39·83	2·17	11·11
20th	0·67	101·18	3·67	64·33	2·17	39·83	2·58	11·52
21st	0·67	101·18	3·67	64·33	2·19	39·81	3·25	12·19
22nd	0·58	101·27	3·58	64·42	2·19	39·81	3·92	12·86
23rd	0·54	101·31	3·58	64·42	2·19	39·81	4·92	13·86
24th	0·50	101·35	3·58	64·42	2·21	39·79	5·92	14·86
25th	0·50	101·35	3·58	64·42	2·21	39·79	6·67	15·61
26th	0·46	101·39	3·50	64·50	2·21	39·79	7·00	15·94
27th	0·42	101·43	3·50	64·50	2·23	39·77	6·83	15·77
28th	0·39	101·46	3·25	64·75	2·23	39·77	6·50	15·44
29th	0·46	101·39	3·33	64·67	2·21	39·79	6·17	15·11
30th	0·50	101·35	3·17	64·83	2·19	39·81	5·67	14·61

Date.	RIVER BHAGIRUTHEE. Berhampore. Height over zero of gauge.	Berhampore. Height over mean sea-level.	RIVER JELLINGHEE. Sarupgunge. Height over zero of gauge.	Sarupgunge. Height over mean sea-level.	RIVER BRAHMAPOOTRA. Gowhatty. Height over zero of gauge	Gowhatty. Height over mean sea-level.
1st	2·29	36·03	2·17	6·47	Below zero. 0·90	147·86
2nd	2·29	36·03	1·83	6·13	0·30	148·46
3rd	2·29	36·03	1·83	6·13	Above zero. 0·80	149·56
4th	2·29	36·03	1·83	6·13	0·95	149·71
5th	2·21	35·95	1·75	6·05	Below zero. 0·30	148·46
6th	2·17	35·91	1·83	6·13	0·70	148·06
7th	2·08	35·82	2·25	6·55	0·80	147·96
8th	2·00	35·74	2·75	7·05	0·50	148·26
9th	1·92	35·66	3·12	7·42	0·40	148·36
10th	1·87	35·61	3·50	7·80	0·20	148·56
11th	1·83	35·57	2·92	7·22	0·20	148·56
12th	1·75	35·49	2·92	7·22	Above zero. 0·90	149·66
13th	1·67	35·41	2·67	6·97	1·30	150·06
14th	1·58	35·32	2·75	7·05	1·90	150·66
15th	1·50	35·24	2·00	6·30	1·80	150·56
16th	1·42	35·16	1·75	6·05	2·90	151·66
17th	1·37	35·11	1·75	6·05	2·90	151·66
18th	1·33	35·07	1·75	6·05	3·20	151·96
19th	1·25	34·99	1·75	6·05	6·40	155·16
20th	1·17	34·91	1·75	6·05	8·60	157·36
21st	1·12	34·86	1·83	6·13	10·50	159·26
22nd	1·08	34·82	1·83	6·13	9·20	157·96
23rd	1·04	34·78	2·25	6·55	8·70	157·46
24th	1·00	34·74	2·67	6·97	8·10	156·86
25th	1·00	34·74	2·83	7·13	6·40	155·16
26th	1·00	34·74	3·04	7·34	5·70	154·46
27th	1·00	34·74	2·54	6·84	4·00	152·76
28th	1·00	34·74	2·25	6·55	4·50	153·26
29th	1·00	34·74	2·50	6·80	7·80	156·56
30th	1·00	34·74	2·17	6·47	8·20	156·96

CALCUTTA,
The 7th July 1891.

G. A. G. SHAWE,
Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Irrigation Operations for the official year 1891-92.

Areas leased for irrigation up to the end of April 1891.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of areas leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugarcane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1891-92. During month.	Up to end of month.	Rainfall, 1890-91. During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	Inches.	Inches.	
Orissa	Cuttack	Taldunda, 1st reach	1,342	113	20	90	......	......	9,618	......	......	......	......	......	......	9,619	......	......	......	......	
		Ditto, 2nd "	565	64																	
		Machgong	776	49	49	46	......	......	27,708	......	......	......	......	......	......	27,708	......	......	......	......	
		Kendrapara	1,067	4·2	290·55	1,024	94	......	44,570	......	......	......	......	......	......	44,570	......	......	......	......	
		Gobri	372·92	30·80	14·93	62	21	......	3,057	......	......	......	......	......	......	3,057	......	......	......	......	
		Do. extension	648	9·52	9·52	20	......	......	3,418	......	......	......	......	......	......	3,418	......	......	......	......	
		Patamoondi	885	21·37	14·85	18	......	......	12,088	......	......	......	......	......	......	12,088	......	No gauge.			
		High Level, Range I	608	21·03	3·01	5	279	......	20,732	......	......	......	......	......	......	20,732					
	Balasore	Ditto, ditto II	727·16	......	......	......	......	......	2,093	......	......	......	......	......	......	2,093	......	......	0·60	0·60	
		Ditto, ditto III	727·16	......	......	55	127	......	35,165	......	......	139	......	......	139	35,304	0·17	0·17	6·45	0·45	
		Total	......	......	......	1,310	521	......	158,449	......	......	139	......	......	139	158,588	......	......	......	......	
		Total of the corresponding period of last year	......	......	......	......	......	......	157,183	......	20	127	......	......	147	157,330	......	......	......	......	
South-Western.	Midnapore	Midnapore	1,411	66	......	......	......	......	74,346	......	......	......	......	......	......	74,346	......	......	0·51	0·51	
		Panchkoorah	522	3	......	......	......	......	4,963	......	......	......	......	......	......	4,963	0·20	0·20	......	......	
	Howrah	Tidal reaches, Ranges I-II	......	......	......	......	......	......	376	......	......	......	......	......	......	376	......	......	......	......	
		Total	......	......	......	......	......	......	79,685	......	......	......	......	......	......	79,685	......	......	......	......	
		Total of the corresponding period of last year	......	......	......	......	......	......	66,208	......	......	......	......	......	......	66,208	......	......	......	......	
Sone	Shahabad	Western Main	4,342	1,263	1	161	521	12,681	......	......	......	103	......	112	215	12,896	......	......	0·01	0·01	
		Buxar	1,226	454	178	1,333	2,065	48,679	......	......	......	113	......	1,494	1,607	50,256					
		Arrah	2,000	715	577	15,458	15,839	75,684	......	......	......	543	......	6,474	7,017	82,701	......	......	......	......	
	Patna and Gya.	Eastern Main	1,466	46	24	3	8	934	......	......	......	8	......	......	8	942	......	......	......	......	
		Patna				255	477	32,107	......	......	......	277	......	......	277	32,384					
		Total	......	......	......	17,210	18,940	170,085	......	......	......	1,644	......	8,080	9,124	179,209	......	......	......	......	
		Total of the corresponding period of last year	......	......	......	......	......	190,690	......	......	......	3,692	......	7,404	11,096	201,786	......	......	......	......	
		Grand Total	......	......	......	18,520	19,461	170,085	238,134	......	......	1,183	......	8,080	9,263	417,482	......	......	......	......	
		Grand Total of the corresponding period of last year	......	......	......	......	......	190,690	223,391	......	20	3,819	......	7,404	11,243	425,324	......	......	......	......	

Calcutta,
The 7th July 1891.

G. A. G. Shawe,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 4th July 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 4th July 1891.			Week ending Saturday, the 5th July 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	355	84,275	1,288	332	49,175	721
Jute	23	11,350	204	23	12,250	213
Firewood	82	45,050	668	87	1,27,800	733
Other articles	726	2,12,145	3,140	962	2,21,170	3,433
Total ...	1,186	3,52,820	5,300	1,404	4,10,395	5,100

Weekly Return of Traffic Receipts on Indian Railways.

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY.)

Approximate Return of Traffic for the week ending 20th June 1891, on 712 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 712 miles open	114,030	41,960	4,62,580	57,690	10,270	1,09,930	13,265	19,671	32,9..
Or per mile of railway	160·15	58·93	649·69	81·03	14·42	154·58	.....	...	......
For previous 23¾ weeks of half-year	2,256,730	9,55,176	1,02,01,935	13,81,024	2,20,108	25,56,308	293,019	434,725	727,744
Total for 24¾ weeks ...	2,370,760	9,97,136	1,06,64,535	14,38,714	2,30,378	a 26,66,228	506,284	454,396	a 760,680
COMPARISON.									
Total for corresponding week of previous year on 649 miles open	138,180	55,124	b 3,11,692	39,061	12,159	1,06,344	11,060	16,450	27,51.
Per mile of corresponding week of previous year	212·91	84·94	480·27	60·19	18·73	163·86	......	......	......
Total to corresponding date of previous year	2,238,652	9,36,935	b 90,52,320	13,11,034	2,19,630	24,68,508	242,037	450,085	692,12.

a Includes audited figures up to 11-4-91.
b Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.						Tirhoot State Railway.					
	Week ending 20th June 1891.			Week ending 21st June 1890.			Week ending 20th June 1891.			Week ending 21st June 1890.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Coaching	20,070	0	0	17,937	0	0	21,890	0	0	37,187	0	0
Goods	29,920	0	0	23,207	0	0	27,770	0	0	15,854	0	0
Other earnings	6,330	0	0	5,573	0	0	3,940	0	0	6,586	0	0
Total ...	56,320	0	0	46,717	0	0	53,600	0	0	59,627	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 20th June 1891	11,325		
Corresponding period of 1890	11,386		
Decrease	61		
Receipts per mile for week ending 20th June 1891	222	0	11
Corresponding period of 1890	223	4	0
Decrease	1	3	1
Receipts from 1st January to 20th June 1891	2,61,565		
Corresponding period of 1890	2,56,303		
Increase	5,262		

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[REGISTERED No. 29.]

No. 28 of 1891.

SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, JULY 15, 1891.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

THE TRIBES AND CASTES OF BENGAL.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 9th July 1891.

RESOLUTION.

READ again—

The Resolution in the Financial Department, dated 30th April 1885, on the subject of the appointment of Mr. H. H. Risley, C.S., to conduct an enquiry into the Castes and Occupations of the people of Bengal.

Read—

Letter dated 12th December 1890, from Mr. H. H. Risley, C.S., submitting the outlines of a scheme for the continuation of Ethnographic Researches in Bengal, and for their extension to other parts of India.

Letter dated 28th February 1891, from Mr. H. H. Risley, C.S., intimating the approaching completion of the printing of his work.

Endorsement No. 441, dated 12th June 1891, from the Home Department of the Government of India, forwarding copy of a despatch from the Secretary of State regarding the distribution of two volumes of Mr. Risley's books.

In the Resolution of the 30th April 1885, cited in the preamble, it was stated (1) that the Government of India, at the instance of the Census Commissioner in 1882, had suggested that steps should be taken towards the collection of more precise information regarding the Castes and Occupations of the people of India; (2) that Mr. H. H. Risley, C.S., had been selected, to be deputed for two years, to prosecute the Ethnographic researches contemplated; (3) that the Lieutenant-Governor, apart from the scientific results, anticipated substantial administrative benefits from these enquiries; (4) that a series of questions would be published and circulated; and (5) that every District Officer

would be requested to nominate one or more of his subordinates, who might be qualified and willing to assist, in addition to their ordinary work, in collecting information for their respective districts or sub-divisions. Subsequently his deputation on special duty was extended to the 31st March 1888, with the approval of the Secretary of State for India.

2. The two volumes now under review contain the Ethnographic Glossary of all the castes, tribes, sub-castes and sections of which a substantial number of representatives is found in Bengal, with an introductory essay on Caste in relation to Marriage. To assist Mr. Risley in carrying out this work, there was already a considerable literature available in the shape of old reports, journals and transactions of learned societies; in addition to this, the unpublished notes of the late Dr. James Wise on the tribes, castes, and occupations of Eastern Bengal, covering some 400 pages of print, with a quantity of manuscript material, were placed at Mr. Risley's disposal; he had also the new information specially collected from the 188 correspondents named in Appendix IV to Volume II of the Glossary.

3. The Ethnographic Glossary is a mine of valuable information; but it is no detraction to the industry or the ability of its compiler to say that a complete knowledge of the caste system of India will not be obtained from its study alone. The greatest and purest castes of India, the Brahmins and Rajputs, are (with the one exception of the Maithila Brahmins of Behar) exotics in Bengal, and it is only in Upper India, the country of their origin, that a full understanding of their main permanent sub-divisions, and of the mutual relations of those sub-divisions, can be obtained; nevertheless much learned information is here contained respecting those clans or individuals of those castes who have emigrated into Bengal, and whose descendants have established local sub-castes with local customs of their own. But it is with regard to the numerous lower castes which have sprung up in Bengal, and to the representatives of the aboriginal races who have more or less come under Hinduising influences, that the information in these volumes is fullest and most abundant. Regarding such tribes and castes it certainly contains the most complete account that has hitherto been put on official record.

4. Of the value of the Ethnographic Glossary (as a dictionary of the castes and their occupations) to the Administration there can be no doubt. The more Government officers know about the religious and social customs of the people of their districts, the better able they will be to deal with either the possible social problems of the future, or with the practical questions arising in their ordinary work, such as the relations of different castes to the land, their privileges in respect of rent, their relations to trade, their status in civil society, their internal organization, their rules as to marriage and divorce, and as to the giving and receiving of famine-relief. Much influence for good over the people can be obtained by both Executive and Judicial officers by acquiring, and having a reputation for possessing, an intimate knowledge of the circumstances and surroundings of their actual life. It has long been the policy of Government to recognise that the acquisition of such knowledge is to be commended and encouraged, and His Honour trusts that the settlement operations in progress will conduce in a similar way to the enlargement of our acquaintance with the economic conditions of the people and the facts of rural life. All administrative and executive officers should make constant reference to this portion of Mr. Risley's work for their own immediate advantage, and with a view to its correction, where necessary, and amplification.

5. In his introductory essay to the Ethnographic Glossary, Mr. Risley has touched on a number of questions of the highest interest in connection with the castes and customs of the people, and on all that he has touched he has thrown the light of his literary skill, his scholarship, wide reading and Indian experience. The subject which has principally attracted his attention is the origin of the rules of exogamy, which he attributes to a sort of natural selection, that is, to the discovery that close interbreeding leads to physical weakness. In this conclusion he will find few to disagree with him; but he is perhaps inclined to think of the introduction of these rules as a matter of too remote antiquity: at any rate the rule of endogamy preceded that of exogamy. It was first the custom of the tribe or caste to marry wholly within its own limits; then, finding the results disastrous, each tribe sub-divided itself into

sections which were not allowed to intermarry, and in course of time these subdivisions became more and more intricate. Thus the Brahmins divided themselves into their ten great classes—the five Northern (Gaur) and the five Southern (Dravér), while the Rajputs split up into the "36 Royal Races." These again divided themselves into "Gotras" or sects named after a Rishi or a Muni, who was supposed to be the spiritual father of the ancestor of the Gotra, and within these sects intermarriage was prohibited. The lower castes, actuated by the passion for ceremonial purity (a solvent principle which explains many of the difficulties with which Mr. Risley deals), sub-divided themselves similarly into Gotras, which they named sometimes after localities (commonly called Gaon-Gotras) sometimes after ancestral nick-names and after the names of animals, which also Mr. Risley conceives to have been not totems in the strict sense, but nick-names of the ancestors or eponymi of the Gotras. These and other questions on which Mr. Risley has offered valuable observations, such as the origin of totemism, the effect of marriage customs on female infanticide, widow and infant marriage, the law and influence of hypergamy, find an appropriate place in this essay. His treatment of these subjects will doubtless attract the attention they deserve, but it would be out of place for Government to enter into any criticism of them.

6. It was at one time intended that the volumes of castes and occupations should be circulated to District Officers in connection with the operations of the Census of February 1891, with a view to diminishing the number of "unknown" entries which appeared in the caste tables of 1881. It has, however, been decided to let the people speak for themselves, and that confusion and complications will best be avoided by not furnishing the Ethnographic Glossary to the officers at present engaged in the compilation of the Census statistics before the abstraction and tabulation of the figures are completed in district offices. It will, however, be used in the final compilation to be made by the Superintendent of Census Operations at Calcutta, and the latter's classification will be returned for criticism to the District Officers. The eventual result will, it is hoped, show a marked improvement over any previous enumeration and sub-division of the castes in Bengal.

7. The Lieutenant-Governor believes that Bengal is the only province in which any sustained attempt has been made to carry out the wishes of the Government of India with respect to the investigation of castes and occupations originating from the Census of 1881. This work will, at any rate, help to meet the charge sometimes made that little or nothing is done to encourage and foster scientific enquiry in the Lower Provinces. Though His Honour cannot venture to hope that anything like the final word has yet been said on the numerous and important lines opened out for discussion in Mr. Risley's volumes, he hails with sincere satisfaction their publication after six years' preparation as constituting a most valuable contribution to the stock of knowledge, and as affording a substantial frame-work on which further enquiries can be instituted and their results incorporated. He believes firmly in the value of ventilating such questions, and in the accumulation and arrangement of information. The two volumes of the Ethnographic Glossary will now be circulated to all Commissioners, District and Sub-divisional Officers, and other persons interested, and their criticism will be invited with a view to supplement the deficiencies incidental to such an undertaking. On receipt of sufficient corrections and fresh materials, a revised edition of the Glossary will be published. It is Sir Charles Elliott's wish that all officers will communicate freely with Mr. Risley, in accordance with the invitation conveyed in the Preface of the work under consideration.

8. Soon after the commencement of his investigations, Mr. Risley proposed to supplement his enquiries into the tribes and castes of Bengal by an examination, on the methods approved by European anthropologists, of the physical characteristics of certain selected castes and tribes. As all castes are endogamous, *i.e.* intermarry only within their own limits, they preserve the purity of their blood in a degree which cannot exist in other nations where cross-marriages are common. If, therefore, there is truth in the theory that certain physical characteristics and proportions are persistent and hereditary, and differ in different races, Indian castes offer a field for testing this theory

which cannot be equalled elsewhere. Accordingly he set himself to prepare statistics of the weight and height, the facial angle, and the specific dimensions of the head, nose, cheekbones, orbits, forehead and zygomatic arches of a hundred individuals in each of 87 castes. Fifteen of these castes belong to Bengal, five to the Chittagong Hills, eight to the Darjeeling Hills, seventeen to Chota Nagpore, ten to Behar, twenty-three to the North-Western Provinces, and nine to the Punjab. The figures comprising these tests (ten in number) for each of the 8,700 persons measured, occupied two volumes of "Anthropometric data" and are prefaced by tables showing the average figure for each of the 87 castes under each of the ten tests. Mr. Risley has not as yet indicated what conclusions can, in his opinion, be deduced from this laborious compilation, and it would be premature for the Government to express any opinion on the subject. The Lieutenant-Governor fully appreciates the fact that India offers a splendid field for the prosecution of ethnological researches, and that Bengal, with its enormous area and vast population, affords opportunities for investigation of special importance. He will therefore always gladly welcome and do all in his power, consistently with economy, to encourage anthropometric enquiries. With these few remarks he will leave this portion of Mr. Risley's work to the criticism of the learned Societies and anthropologists to whom, in compliance with the list received from the Secretary of State for India, it will now be distributed.

9. The scheme which Mr. Risley has submitted in outline for the continuation of ethnographical researches in the Lower Provinces, and for their extension to other parts of India, will now be laid before the Government of India. Its main features are—the appointment of an unpaid Director of Ethnological enquiries in each of the larger provinces, the circulation of ethnographic questions, the selection of subjects for enquiry, the preparation of monographs on castes, tribes, social groups, and different branches of custom and folklore, and their distribution to learned Societies in Europe. It may be admitted that systematic working in the direction indicated could not fail to elicit a considerable amount of valuable information, and the scheme is happily founded on an economical basis. But for its full and successful development, it would require more specialists than are likely to be found in India, and there is the ever-present objection to adding more work to the duties of District Officers already overtaxed. At the same time there would be much advantage in placing such work in the hands of one officer—of Mr. Risley himself, for instance, in Bengal—with whom voluntary contributors on the subjects indicated could freely communicate with the assurance that their views and information would receive adequate recognition.

10. It remains only for the Lieutenant-Governor to acknowledge the excellent results of Mr. Risley's labours during a period of years, on deputation, on leave, and concurrently with his ordinary duties. These volumes bear testimony to his ability, literary power, and industry, as well as to his rarer gift of philosophical and historical insight. His work in the field of Anthropology has already established his reputation with University authorities in England and learned Societies in Europe, and has gained for him the signal distinction of Honorary Member of the French Academy. In congratulating Mr. Risley on his achievements, now to be published, His Honour desires to express the hope that he will be able to find time, in the intervals of the duties of his office, to prosecute further the researches which he has done so much to advance. Sir Charles Elliott will also take this opportunity of thanking the European scholars and men of science who have helped Mr. Risley with advice and criticism,—more particularly Professor Flower, C.B., F.R.S., Director of the Natural History Branch of the British Museum; Professor Paul Topinard, of the School of Anthropology, and Secretary of the Anthropological Society of Paris, to whom the volumes of Anthropometric data are dedicated: Professor Max Müller; Dr. Tiele of Leyden; Dr. Friedrich Müller of Vienna; Herr Kart Panka of Vienna; Sir John Lubbock, Bart., M.P.; Mr. Andrew Lang; Mr. J. F. K. Hewitt (late of the Bengal Civil Service); and Professor Kollmann. The Lieutenant-Governor's acknowledgments are also due to Mr. Risley's fellow-workers in India, namely, Dr. D. D. Cunningham, F.R.S., Mr. W. B. Oldham, C.S., Mr. D. Ibbetson, C.S., Mr. J. C. Nesfield; Mr. A. H. Giles, the Revd. L. Skrefsrud, the Revd. D. Campbell, Mr. W. H. P. Driver, Baboo Protab Chandra Ghosha,

Baboo Sarat Chandra Das, C.I.E., Mr. James Taylor, Lala Sheo Nandan Lal Roy, Baboo Bepin Behari Mookerjee, Baboo Harish Chandra Rai, Baboo Adya Nath Banerjee, Baboo Tara Pada Mookerjee, Baboo Kumud Behari Samanta, Chandi Singh, and Alauddin.

ORDER.—Ordered that copies of Mr. Risley's Ethnographical Glossary (two volumes) be circulated to all Commissioners, Judges, District and Sub-divisional Officers, to the Director of Public Instruction and to the Superintendent of Census Operations, for information and guidance, with reference to the above Resolution.

Ordered also that a copy of the above Resolution be communicated to Mr. H. H. Risley, C.S.

Ordered also that a copy of the above Resolution be forwarded to each of the gentlemen mentioned in paragraph 10.

Ordered also that a copy of the above Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

REPORT ON THE WORKING OF THE LICENSED WAREHOUSE AND FIRE BRIGADE ACT IV (B.C.) OF 1883 IN CALCUTTA DURING THE YEAR 1890-91.

No. 33J., dated Calcutta, the 1st July 1891.

From—HARRY LEE, ESQ., C.S., Chairman of the Corporation of Calcutta,

To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honour to submit the following report under section 30 of Act IV (B.C) of 1883 of the jute screw and warehouses in Calcutta for the year ended 31st March 1891.

2. At the close of last year there were 97 sanctioned warehouses on the register, and 7 new warehouses were established during the year. These make up the total number to 104. Of these, the license of No. 67, Sobha Bazar Street, was cancelled during the year, as the premises were converted into a dwelling-house. A complete list of the remaining 103, arranged according to the Acts under which they were originally licensed, is appended to this report.

3. Thirteen applications were received during the year as shown below—

No.	Locality.	Nature of application.	REMARKS.
1	19, Hurro Chunder Mullick's Street.	For licensing existing godowns for storing jute.	Sanctioned.
2	12, ditto ditto ...	Ditto ditto ...	Under consideration.
3	17 and 18, ditto ditto ...	Ditto ditto ..	Ditto.
4	7 and 7-1, ditto ditto ...	Ditto ditto ...	Ditto.
5	97, Sobha Bazar Street ...	Ditto ditto ...	Sanctioned.
6	72, ditto ...	Ditto ditto ...	Ditto
7	93 and 94, ditto ...	Additional godown ...	Ditto
8	87, Durmahatta Street ...	Ditto	Ditto
9	108, ditto ...	For licensing existing godowns for storing jute.	Under consideration.
10	17 and 18, Manick Bose's Ghât Street.	Ditto ditto ...	Ditto.
11	6, Baniatola Lane ...	Ditto ditto ...	Withdrawn.
12	15, Kassy Mitter's Ghât Street.	New construction	Sanctioned on condition for storing baled jute only.
13	29, Canal West Road ...	Ditto	Under consideration.

4. Of the four applications for license which were mentioned in the last year's report as under consideration, three have been sanctioned and one refused. The license for No. 58, Gourebere Lane, has been taken out this year under sanction granted last year.

5. During the jute season so large a quantity of jute was imported into the town that the licensed godowns proved insufficient, and some importers stored their jute in unlicensed huts. These were in the first instance prosecuted and fined, and then, on their application, temporary licenses were granted for three months. Rupees 650 was realized in this way.

6. The total amount realized during the year was—

	Rs.
License fees	27,613
Temporary license fees	650
Miscellaneous receipts	12
Fines	148
Total ...	28,423

or Rs. 879-8 in excess of last year.

7. There were 23 prosecutions during the year. In 18 cases the defendants were convicted and fined, three cases were dismissed, and in two cases the defendants were warned and discharged and ordered to pay costs.

8. No case of fire in any jute godown occurred during the year under report.

9. The annexed statement shows the receipts and disbursements.

Abstract Account of Receipts and Disbursements of the Jute Warehouse Fund for the year 1890-91.

DR. CR.

RECEIPTS.	Amount.	Total.	DISBURSEMENTS.	Amount.	Total.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
License for jute warehouses	28,263 0 0		80 per cent. of receipts paid to Commissioner of Police	22,600 0 0	
Fines	148 0 0		20 ditto transferred to Inspection Fund	5,084 9 7	
Miscellaneous	12 0 0	28,423 0 0			28,344 9 7
BALANCE ON 1ST APRIL 1890.			Refund of deposits	...	100 0 0
			BALANCE ON 31ST MARCH 1891.		
Cash in the Bank of Bengal	...	100 0 0	Cash in the Bank of Bengal	...	78 6 5
Total ...	...	28,523 0 0	Total ...	...	28,523 0 0
20 per cent. of receipts of Jute Warehouse Fund	5,084 9 7	5,084 9 7	Jute Warehouse Inspection Establishment	3,286 7 2	
			Contingencies	82 15 9	3,369 6 11
BALANCE ON 1ST APRIL 1890.			Surplus transferred to General Fund	...	2,315 2 8
Cash in the Bank of Bengal 1,400 2 3			BALANCE ON 31ST MARCH 1891.		
Less shown above 100 0 0			Rs. A. P.		
	1,300 2 3		Cash in the Bank of Bengal 2,463 3 1		
Rs. A. P.			Less shown above 78 6 5		
Less due to General Fund 1,372 15 3			2,384 12 8		
Do. to deposits ... 17 3 0	1,390 2 3		Less due to General Fund 2,384 12 8		
Total ...	...	5,084 9 7	Total ...	...	5,084 9 7

Complete List of the Jute Warehouses licensed in Calcutta for the year 1890-91.

No.	Name of street and number of premises.	Name of License-holder.	Annual assessment.	Annual license fee.
	LICENSED UNDER SECTIONS 4—6, ACT II (B.C.) OF 1872.			
			Rs.	Rs.
1	Aheeretolla Street ...	Korum Chand	1,200	200
2	169, ditto ...	Kissen Chand Bhoom Sing ...	3,000	300
3	170, ditto ...	Ditto ...	1,368	200
4	172, ditto ...	Sristydhur Dey	1,200	200
5	87 to 87-53, Durmahatta Street	Ram Narain, Agent ...	9,000	900
6	195, ditto ...	Sreedhur Mondol ...	480	50
7	138-39, ditto ...	Ditto	360	50
8	7, Doorga Churn Mookerjee's Street ...	Peary Mohun Biswas ...	360	50
9	4, Hurro Chundra Mullick's St.	Prohlad Chundra Shaw ...	800	100
10	6, ditto ...	Juggeshur Haldar ...	912	100
11	14, ditto ...	Gobin Chundra Dutt ...	1,860	200
12	23, ditto ..	Juggatmohun Shaw ...	900	100
13	27, ditto ...	Chunder Seekur, Radhica Lall Shaw	600	100
14	28, ditto ...	Benode Behary Khan ...	720	100
15	28, Jorabagan Street ...	Rameshur Aitch	984	100
16	31 to 31-4, Manik Bose's Ghât Street	Sreemotee Nobinkissoree Dassee	900	100
17	8, Noyan Soor's Ghât Lane ...	Gooroogobind Shaw & others ..	1,300	200
18	57, Strand Road	Judoonath Shaw Chowdhury ...	1,740	200
19	6, Sobha Bazar Street ...	Bamacharan Ghose .	960	100
20	7, ditto ...	Chunder Seekur Sreekanto Shaw Pramanick	960	100
21	12, ditto ...	Parbutty Churn Soor ...	600	100
22	71-1, ditto ...	Deno Nath Shaw	720	100
23	73, ditto ...	Dhuniram Kassinath Shaw ...	2,580	300
24	91-92, ditto ...	Sreedhur Mondol	1,800	200
25	98-2, ditto ...	Juggobundhoo Sarat Chunder Shaw	3,000	300
	LICENSE UNDER SECTION 7, ACT II (B.C.) OF 1872.			
26	20, Bonomally Sircar's Street ...	Dinobundhoo Nundy & others	420	50
27	206, Chitpore Road ...	Kanie Lall Khan	1,500	200
28	247-48, ditto ...	Messrs. Finlay, Muir & Co. ...	21,000	2,000
29	16, Hurro Chundra Mullick's L.	Moharaj Anundo Mohun Shaw	900	100
30	26-27, Jorabagan Street ...	Peary Mohun Dutt ...	1,476	200
31	67-27-H-1-A, Strand Road ...	Secretary, I. G. S N. Co., Ld.	3,078	400
32	3 to 3-3, Sobha Bazar Street ...	Lolit Mohun Shaw & others ...	7,920	800
33	10, ditto ...	Jullodhur Shaw and others ...	2,800	300
34	95-96, ditto ...	Juggat Mohun Shaw ...	2,400	300
35	98, ditto ...	Sitanath Shaw Chowdhury ...	3,000	300
	LICENSED UNDER ACT II OF 1872 AS AMENDED BY ACT II OF 1875.			
36	144, Durmahatta Street ...	Secretary to the Port Commrs ...	4,800	500
37	45, Durgachurn Mookerjee's St. & 202-1, Chitpore Road	Issur Chunder Mitter ...	1,800	200

No.	Name of street and number of premises.	Name of License-holder.	Annual assessment.	Annual license fee.
			Rs.	Rs.
38	24, Hurro Chundra Mullick's L.	Khetter Mohun Biswas ...	300	50
39	36, Manick Bose's Ghât Street...	Sreemutty Kaminee Dassee ..	3,000	300
40	7, Noyan Soor's Ghât Lane ...	Shumbhoonath and Gobindnath Chowdhury	1,000	100
41	67-2 and 67-31-H-1, Strand Rd.	Messrs. Stanley and Co. ...	31,916	2,000
42	67-27-H-1-B, ditto ...	Secretary, I. G. S. N. Co., Ld.	3,078	400
43	100, Sobha Bazar Street ...	Sreedhur Sham Dass Mondol ...	1,500	200

LICENSED UNDER SECTION 6, ACT V (B C.) OF 1879.

No.	Name of street and number of premises.	Name of License-holder.	Annual assessment.	Annual license fee.
44	76-2, 80 & 80-1, Durmahatta St.	Behary Lall Pyne ...	3,300	400
45	143 and 143-1, ditto ...	Gooroogobind Shaw ...	9,000	900
46	202, ditto .	Gobin Chand Dutt and another	4,000	400
47	5, Doorga Churn Mookerjee's St.	Adhar Chunder Shaw ...	1,380	200
48	6, ditto ...	Doyal Chand Shaw ...	1,372	200
49	5, Hurro Chundra Mullick's St.	Juggobandhoo Soshee Mohun Shaw Pramanik ...	1,440	200
50	16, ditto ...	Gooroo Churn Shaw ...	960	100
51	9, Noyan Soor's Ghât Lane ..	Nobin Chunder Coondoo ...	1,200	200
52	46, Manick Bose's Ghât Street	Nittanund Shaw ...	2,160	300
53	1, Noyan Soor's Ghât Lane ...	Sabeetry Soondary Dassee ...	840	100
54	62, Nimtollah Ghât Street ...	Managing Agent, India Pressing Company, Ld. ...	12,000	1,200
55	5, Sobha Bazar Street ..	Bissumbhur Mullick ...	2,500	300
56	90, ditto	Debnath Shaw and others ...	2,400	300

LICENSED UNDER SECTION 6, ACT IV (B.C.) OF 1883.

No.	Name of street and number of premises.	Name of License-holder.	Annual assessment.	Annual license fee.
57	13-6, Hurro Ch. Mullick's St....	Bissonath Luchmee Nath Pramanick	960	100
58	82, Nimtollah Ghât Street ...	Jodoonath Shaw Chowdhury ...	2,400	300
59	67-9, Strand Road ...	Messrs. Macneill and Co. ..	6,600	700
60	5, Aheereetollah Street ...	Thansing Korum Chand ...	1,800	200
61	98-1, Sobha Bazar Street ...	Joggobundoo, Sarat Chunder Shaw Chowdhury ...	900	100
62	11, Hurro Ch. Mullick's Street	Dwarka Nath Shaw ...	900	100
63	44, Manick Bose's Ghât Street	Debendro Deb Dass ...	1,680	200
64	135, Durmahatta Street ...	Bhim Churn Soroop Ch. Roy ...	3,600	400
65	58, Nimtollah Ghât Street ...	Managing Agent, India Pressing Company, Ld. ...	5,400	600
66	178 to 178-4, Upper Chitpore Road, and 2 to 2-2, Ramkanto Bose's Street	Messrs. Finlay, Muir & Co. ...	4,800	500
67	67-9-H-1, Strand Road ...	Managing Agent, I. G. S. N. Co., Ld.	4,452	500
68	42-43, Doorga C. Mookerjee's St.	P. N. Mitter	4,320	500
69	78-79, Sobha Bazar Street ...	Mothoorakant Shaw Chowdhury	2,520	300
70	135, Balliaghatta Road ...	George Henderson and Co. ...	1,200	120
71	1, Budree Dass Temple Street ...	Gopeemohun Roy ...	960	96
72	2, ditto ditto ...	Hurrydass Dutt ...	540	54
73	19, ditto ditto ...	Hurrish Chunder Dutt ...	300	50
74	25, ditto ditto ...	Tran Nath Banerjee ...	144	50
75	24-A, Canal West Road ...	Lolitmohun, Brindabun Shaw...	720	72
76	25-1, ditto ...	Ditto ditto ...	540	54
77	29, ditto ...	Goopeemohun Roy ...	1,310	131
78	31, ditto ...	Mohima Chunder Coondoo ...	840	84
79	32, ditto ...	Ditto ditto ...	720	72
80	35-4-1, ditto .	Taraprosunno Roy ...	980	98
81	35-5, ditto ...	Deepchand and Hurro Chunder Coondoo	1,200	120
82	37-1, ditto ...	Hurrish Chunder Dutt ...	480	50

No.	Name of street and number of premises.	Name of License-holder.	Annual assessment.	Annual license fee.
			Rs.	Rs.
83	39-2, Canal West Road ...	Hurish Chunder Dutt ...	1,200	120
84	39-3, ditto ...	Kally Sunkar and Tarrucknath Coondoo ...	600	60
85	39-1, ditto ...	Soorjo Coomar and Gooroochurn Shaw ...	720	72
86	1, Chitpore Bridge Road ...	George Henderson and Co. ...	2,100	210
87	308, Upper Circular Road ...	Manager, E. B. S. Railway ...	6,000	600
88	1, Gailiffe Street ...	George Henderson and Co. ...	9,600	960
89	1-1, ditto ...	Ditto ditto ...	1,800	180
90	12, ditto ...	Nilmadhub Sickdar ...	480	50
91	9, Garden Reach Road ...	Gillanders, Arbuthnot & Co. ...	2,880	288
92	6, Gooripara Road ...	Messrs. Bird & Co. ...	2,000	200
93	6, Budree Das Temple Street ...	Sonaton Dey	480	50
94	56-57, Gourebere Lane ...	Gooroo Churn Shaw ...	780	78
95	4, Budree Dass Temple Street ...	Nurrothum Sickdar ...	1,020	102
96	3, Circular Tallygunge Road ...	Koonjo Behary Bose ...	600	60
97	58, Gourebere Lane ...	Hurrish Chunder Dutt ...	720	72
98	93-94, Sobha Bazar Street ...	S. M. Sabetry Soondary Dassee	720	100
99	67-5, Strand Road ..	I. G. S. N. Company, Limited...	5,400	600
100	19, Hurro Ch. Mullick's Street	Nilmadhub Shaw and others ...	2,160	300
101	97, Sobha Bazar Street ...	Sittanath Shaw Chowdhury ...	420	50
102	24, Budree Dass Temple Street	Gooroo Churn Shaw ...	600	60
103	72, Sobha Bazar Street ...	Judoonath Pramanick ...	1,800	200

DISTRICT ROAD FUND.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Road Cess.

No. 1900R.C.

Dated Calcutta, the 11th July 1891.

RESOLUTION.

READ—

Letter from the Accountant-General, Bengal, No. $\frac{L.F.}{368}$, dated 27th June 1891, submitting an abstract of receipts and expenditure of the several District Road Committees in Bengal for the quarter ending 31st March 1891.

RESOLUTION.—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees in Bengal for the fourth quarter of the year 1890-91 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER.—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette.*

Ordered also that a copy of this Resolution, and of the abstract referred to, be forwarded to the Commissioners of the Rajshahye, Bhagulpore, Chittagong, and Chota Nagpore Divisions; to the Superintending Engineers of the Eastern and Western Circles; and to the Financial Department of this Government, for information.

By order of the Lieutenant-Governor of Bengal.

F. J. JOHNSTONE,

Joint-Secy. to the Govt. of Bengal.

DISTRICT

Statement of Receipts and Expenditure of the several District Road

RECE

Districts.		Balance in treasury on 1st January 1891.	Provincial Rates. Cess on lands.	Provincial Rates. Cess on mines.	Provincial Rates. One per cent. road cess.	Provincial Rates. Total.	Interest on arrears of road cess.	Public Works. Road tolls.	Public Works. Ferry tolls.	Public Works. Total.	Irrigation. Canal tolls.	Miscel. Rent of serais and staging-bungalows.	Miscel. Fees, fines and forfeitures.
		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.
Cess Districts.	Darjeeling ...	6,303 7 1	10,823 1 5	312 15 0	......	11,136 0 5	0 9 4	......	......	......	......	......	......
	Hazaribagh ...	15,387 1 2	17,209 5 9	1,421 6 8	......	18,690 12 5	119 10 3	......	......	......	......	96 0 0	1,615 3 3
	Lohardugga ...	18,594 1 2	31,072 5 3	2 14 0	......	31,075 3 3	39 6 0	......	......	......	......	124 0 0	750 12 6
	Manbhoom ...	7,421 14 7	14,365 5 2	1,174 0 0	......	15,539 5 2	38 13 2	......	......	......	......	781 10 3	7 8 0
	Total ...	47,706 8 0	73,530 1 7	2,911 3 8	......	76,441 5 3	198 6 9	......	......	......	......	1,001 10 3	2,373 7 9
Non-cess Districts.	Chittagong Hill Tracts ...	13,062 9 5	......	......	......	......	......	......	......	......	......	......	......
	Sonthal Pergunnahs	38,294 8 11	......	......	......	......	......	......	......	......	......	39 0 0	1 0 0
	Singbhoom ...	10,244 15 5	1,224 9 6	19 10 6	......	1,244 4 0	......	......	......	......	......	2 0 0	......
	Total ...	61,602 1 9	1,224 9 6	19 10 6	......	1,244 4 0	......	......	......	......	......	41 0 0	1 0 0
Grand Total ...		1,09,308 9 9	74,754 11 1	2,930 14 2	......	77,685 9 3	198 6 9	......	......	......	......	1,042 10 3	2,374 7 9

EXPEN

District		Refunds. Cess.	Refunds. Other receipts.	Refunds. Total.	Provincial Rates. Establishment and contingencies of office of collection.	Administration. Establishment and contingencies of Committee's office.	Administration. Percentage cost of establishment for offices of account and control.	Administration. Total.	Stationery. Stationery and printing.	Public. Original works.	Public. Repairs.	Public. Establishment.	Public. Tools and plant.	Public. Toll and ferry establishment and contingencies.
		Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Cess Districts.	Darjeeling ...	......	......	......	322 6 0	404 2 0	......	404 2 0	65 3 3	......	2,075 10 10	60 0 0	......	......
	Hazaribagh ...	......	10 0 0	10 0 0	1,868 2 3	311 14 0	......	311 14 0	85 3 6	1,140 4 0	11,802 9 4	2,009 3 3	25 0 0	......
	Lohardugga ...	......	......	......	2,358 0 6	115 10 0	......	115 10 0	14 0 0	3,132 2 10	17,501 1 2	2,327 0 3	40 8 0	......
	Manbhoom ...	0 12 6	......	0 12 6	348 13 3	351 15 0	......	351 15 0	5 4 6	1,889 6 11	7,992 3 8	1,949 8 7	......	......
	Total ...	0 12 6	10 0 0	10 12 6	4,897 12 0	1,183 9 0	......	1,183 9 0	169 11 3	6,161 14 6	39,371 9 0	6,345 12 1	65 8 0	......
Non-cess Districts.	Chittagong Hill Tracts ...	......	......	......	......	......	......	......	......	189 7 6	3,192 11 5	1,989 5 0	25 0 0	......
	Sonthal Pergunnahs	......	......	......	......	250 0 0	......	250 0 0	103 12 10	882 4 6	8,336 1 6	2,401 0 2	443 9 3	......
	Singbhoom ...	......	......	......	......	144 2 3	......	144 2 3	6 0 0	2,971 8 9	3,088 12 3	773 0 0	313 12 0	27 1 6
	Total ...	......	......	......	......	394 2 3	......	394 2 3	109 12 10	4,043 4 9	14,617 9 2	5,163 5 2	781 5 3	27 1 6
Grand Total ...		0 12 6	10 0 0	10 12 6	4,897 12 0	1,577 11 3	......	1,577 11 3	279 8 1	10,205 3 3	53,989 2 2	11,509 1 3	486 13 3	27 1 6

Fort William,
The 12th June 1891.

ROAD FUND.

Committees for the Fourth Quarter of the year 1890-91, *ending* 31*st March* 1891.

IPTS.

LANEOUS.		Grant from Government.	SUSPENSE ACCOUNT.			Total receipts.	Balance of imprest in hands of Engineers and others, decreased.	Balance of uncashed cheques, increased.	Total receipts, including balance.	Outlay.	Balance in treasury on 31st March 1891.
Miscellaneous.	Total.		Advance.	Deposits.	Total.						
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
......	......	352 2 10	2,333 4 0	......	2,333 4 0	13,822 0 7	......	....	20,125 7 8	7,020 11 11	13,104 11 9
......	1,711 3 3	367 12 0	1,828 8 7	......	1,828 8 7	22,717 14 6	......	6,453 5 0	44,558 4 8	18,401 9 9	26,156 10 11
1 13 6	876 10 0	366 5 6	518 4 2	304 0 0	822 4 2	33,179 12 11	......	9,291 13 1	61,065 11 2	27,179 3 0	33,886 8 2
1 15 0	791 1 3	250 0 0	96 15 8	......	96 15 8	16,716 3 3	......	......	24,138 1 10	13,374 1 7	10,764 0 3
3 12 6	3,378 14 6	1,336 4 4	4,777 0 5	304 0 0	5,081 0 5	86,435 15 3	......	15,745 2 1	1,49,887 9 4	65,075 10 3	83,911 15 1
150 0 0	150 0 0	......	......	......	......	150 0 0	......	2,211 4 3	15,493 13 8	5,396 7 11	10,027 5 9
5 11 6	45 11 6	......	4,208 15 3	725 0 0	4,933 15 3	4,979 10 9	40 0 0	965 2 3	44,279 5 11	16,065 10 0	28,213 11 11
1 6 0	3 6 0	......	827 8 0	......	827 8 0	2,075 2 0	......	3,175 0 6	15,495 1 11	8,426 9 9	7,068 8 2
157 1 6	199 1 6	......	5,036 7 3	725 0 0	5,761 7 3	7,204 12 9	40 0 0	6,351 7 0	75,198 5 6	29,888 11 8	45,309 9 10
160 14 0	3,578 0 0	1,336 4 4	9,813 7 8	1,029 0 0	10,842 7 8	95,640 12 0	40 0 0	22,096 9 1	2,25,085 14 10	95,864 5 11	1,29,221 8 11

DITURE.

WORKS.		IRRIGATION.	MISCELLANEOUS.				Contribution to Provincial Government.	SUSPENSE ACCOUNT.			Total expenditure.	Balance of imprest in hands of Engineers and others, increased.	Balance of uncashed cheques, decreased.	Total outlay.
Establishment of Divisional Superintendent of Works.	Total.	Canal toll establishment and contingencies.	Staging-bungalow establishment and contingencies.	Staging-bungalow petty construction and repairs.	Miscellaneous.	Total.		Advance.	Deposit.	Total.				
Rs.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.
......	2,135 10 10	......	......	......	......	......	...	1,838 0 0	......	1,838 0 0	4,765 6 1	......	2,255 5 10	7,020 11 11
......	14,977 1 4	......	42 0 0	123 7 9	......	165 7 9	...	983 12 11	......	983 12 11	18,401 9 9	......	......	18,401 9 9
......	23,000 12 3	......	62 4 0	873 10 3	75 0 0	1,010 14 3	...	679 8 0	......	679 8 0	27,179 3 0	......	......	27,179 3 0
......	11,831 3 2	......	......	296 13 6	......	296 13 6	...	181 0 0	350 0 0	531 0 0	13,307 13 11	6 3 8	......	13,374 1 7
......	51,044 11 7	......	104 4 0	1,295 15 6	75 0 0	1,475 3 6	...	3,682 4 11	350 0 0	4,032 4 11	63,714 0 9	6 3 8	2,255 5 10	65,075 10 3
......	5,396 7 11	......	......	......	......	......	...	......	......	......	5,396 7 11	......	......	5,396 7 11
......	12,061 15 5	......	330 7 9	......	......	330 7 9	...	3,319 6 0	......	3,319 6 0	16,065 10 0	......	......	16,065 10 0
......	7,174 2 6	......	73 8 0	203 3 6	20 9 6	297 5 0	...	200 0 0	605 0 0	805 0 0	8,426 9 9	.....	......	8,426 9 9
......	24,632 9 10	......	403 15 9	203 3 6	20 9 6	627 12 9	...	3,519 6 0	605 0 0	4,124 6 0	29,888 11 8	......	......	29,888 11 8
......	76,577 5 [illegible]	......	508 3 9	1,499 3 0	95 9 6	2,103 0 3	...	7,201 10 11	955 0 0	8,156 10 11	93,602 12 5	6 3 8	2,255 5 10	95,864 5 11

C. R. KIERNANDER,

Offg. Accountant-General, Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 11*th July,* 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
	Burdwan Divn.		
1	Burdwan July 11, '91 Culna ... Cutwa ... Raneegunge ...	7·35 5·87 3·63 2·85	Weather—seasonable. Jute, sugarcane, and *aus* paddy doing well. Rain has done much good. Transplantation of *aman* paddy going on. Prices of common rice:— Srs. Sudder ... ... 17½, Culna ... ... 15, Cutwa ... ... 16½, Raneegunge ... ... 16 } per rupee.
2	Baukoora ,, 11, '91	4·86	Weather—hot and cloudy. The rainfall of the week has facilitated transplanting of paddy. More rain wanted for ploughing and transplantation. Sugarcane doing well. Another flight of locusts passed over the district on the 6th. Prices of common rice:— Srs. Sudder ... ... 18½, Bishenpur ... ... 17½ } per rupee.
3	Birbhum ,, 11, '91 Rampore Haut ...	2·11 4·53	Weather—cloudy. Rain still rather partial. The north of the district has now had a week of good rain, but more rain is very much needed. Flights of locusts passed along the course of the Adjai on the 6th, 7th and 8th instant. They settled for a few hours in a few places and there did some little damage to rice seedlings. Prices of common rice stationary at 16 to 20 seers per rupee.
4	Midnapur ,, 11, '91	0·33	Weather—rainy, especially in Ghatal, Tumluk, and Contai. Cultivation doing well. Locusts have done damage in parts of Sudder subdivision; seen in large numbers at Ghatal. Prices of common rice:— Srs. Sudder ... ... 18, Contai ... ... 17, Tumluk ... ... 16, Ghatal ... ... 17 } per rupee.
5	Hooghly ,, 11, '91 Jehanabad ...	3·02 7·91	Weather—cool and occasionally cloudy. Transplantation of *aman* has commenced. *Aus* and jute doing well. Prices of common rice:— Srs. Sudder ... ... 14, Serampore ... ... 15, Jehanabad ... ... 16 } per rupee.
6	Howrah ,, 11, '91 Uluberia ...	1·71 1·67	Weather—showery. Paddy and jute crops going on favourably. Transplanting in progress. Price of coarse rice 14½ to 15 seers per rupee.
	Central Districts.		
	Presidency Divn.		
7	24-Perghs. July 14, '91	1·37	Weather—cloudy and hot by turns with showers of rain. *Aus* paddy and jute thriving. Sugarcane doing well. Rain urgently required in the Sudder and Diamond Harbour subdivisions for *aman* paddy. Transplantation of *aman* commenced in low lands. Common rice sells at from 14½ to 16 seers per rupee.
8	Nuddea ,, 11, '91 Kushtea ... Meherpur ... Chuadanga ... Ranaghat ...	5·12 3·13 4·7 3·64 4·23	Weather—seasonable; 2·77 inches of rain fell at Krishnaghur on Sunday last (5th). Rain has done much good to *aus* paddy. Jute and sugarcane doing well. Indigo manufacture commenced. Meherpur subdivisional officer reports, "Locusts passed on Monday last, eating indigo and a few leaves, but not touching the paddy. Comparatively few only alighted, and those too went on after a light refreshment, but little damage was done. They were red in colour and apparently of the 'acridum peregrinum' species."
9	Khoolna ,, 11, '91 Bagirhat ... Satkhira ...	3·97 4·83 3·35	Weather—rainy. Prospects of all crops (*aus*, jute, sugarcane, and *aman*) much improved by the rain which has fallen.
10	Jessore ,, 11, '91 Jhenidah ... Magurah ... Narail ... Bongong ...	3·82 2·53 4·47 5·13 4·42	Weather—seasonable. Recent rain very beneficial to standing crops. Prospects favourable. Indigo manufacture commenced.
11	Murshedabad ...	......	Report not received.
	Rajshahye Divn.		
12	Dinagepur ,, 11, '91 Thakurgaon ...	8·19 14·27	Weather—hot and cloudy. Transplantation in progress. Prospects favourable. Locusts passed through the head-quarters; extent of damage not reported. Price of rice unchanged.
13	Rajshahye ,, 11, '91 Nattore ... Nowgong ...	1·81 3·10 6·17	Weather—seasonable. *Aus* and *aman* both coming on well. Locusts have visited the district in numbers, but the harm they have hitherto done is slight.
14	Rungpur ,, 11, '91 Nilphamari ... Gaibanda ... Kurigram ...	12·86 13·94 12·58 12·87	Heavy and nearly continual rain has fallen throughout the week. *Aus* harvest progresses; outturn will be slightly below the average. Much damage has been done in lands lying along the banks of rivers by flood. *Aman* rice has suffered in places from the same cause. Jute has been sown to a comparatively limited extent this year, and the crop will be under average.
15	Bogra ,, 11, '91 Sherpur ... Nowkhilla ...	4·05 1·80 2·45	Weather—very hot and damp. All crops are thriving. Land is being prepared for the transplantation of *aman* rice, which has begun in a few places. More rain would do good. Common rice is selling at 17 seers a rupee. Locusts passed across the district, near the middle, on the 8th instant, from south to north, and did slight damage.
16	Pubna ,, 11, '91	3·10	Weather—hot. More rain wanted for *aus* paddy and jute. *Aman* paddy doing well. Rivers rising. Price of rice and jute stationary. Fodder sufficient.
17	Darjeeling ,, 11, '91	5·53	Weather—rainy. Jute, *bhadoi*, and Indian-corn doing well. *Haimanti* paddy is being transplanted in some parts of the district.
18	Julpigoree ,, 11, '91	5·12	Weather—rainy. Transplanting of *haimanti* paddy going on. State of *bhadoi* and jute still good. A flight of locusts passed over the civil station between 9 and 11 a.m. on the 10th. Prices remain unchanged.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*			
	Eastern Districts.		
	DACCA DIVN.		
19	Dacca July 11, '91	7·11	Weather—seasonable. *Aus* paddy and jute thriving; prospect of the former appears to be good and that of the latter fair. Cheapest rice sold at 14 to 16 seers per rupee.
20	Furreedpur „ 11, '91	4·45	Weather—seasonable. State of *aus*, *aman*, jute, and sugarcane fair. Rivers rising fast. Price of rice stationary.
21	Backergunge „ 11, '91	8·78	Weather—seasonable. Prospects of crops good. Common rice selling at from 13 to 18 seers per rupee.
	Perozepur ...	5·34	
	Putuakhali ...	4·32	
22	Mymensingh „ 11, '91	5·88	Weather—rainy. *Aus* crop is being harvested. Transplantation of *aman* going on. Outlook of jute crop not favourable in most parts of the district. Common rice sells at 13 seers a rupee.
	CHITTAGONG DIVN.		
23	Chittagong „ 11, '91	23·14	Heavy rain during the greater part of the week. Sowing and ploughing of *aus* retarded in consequence of heavy rain. It has suffered first from drought and now from floods. Damage cannot yet be estimated. Prices have risen slightly.
24	Noakholly „ 11, '91	5·53	Weather—rainy every day but 7th. The rain has improved prospects, and prices have fallen. *Aus* nearly ripe. *Aman* being transplanted.
25	Tipperah „ 11, '91	4·28	Weather—seasonable; wet, cloudy and cool. *Aus* being harvested; jute being cut. *Aman* and jute doing well. Prices stationary.
26	Chittagong Hill Tracts. ...	......	Report not received.
BEHAR.			
	PATNA DIVN.		
27	Patna „ 11, '91	2·05	Weather—hot and cloudy. *Bhadoi* and paddy transplantation in progress. Locusts are reported to have appeared and done some damage to the standing crops in all subdivisions (including Sudder) except Barh. Prices generally stationary.
	Barh ...	5·27	
	Behar ...	10·72	
	Dinapur ...	1·64	
28	Gya „ 11, '91	2·73	Weather—hot. Sowing of paddy and transplanting of *marua* going on. Sugarcane doing well. Slight damage from locusts reported from Nawada subdivision. Prices almost stationary.
29	Shahabad „ 11, '91	1·22	Weather—hot with strong west winds which changed on 10th to east. In Arrah sufficient rain has fallen for *bhadoi* sowings. In Sasseram, Buxar, and Bhabuah very little rain has fallen and more is very urgently needed. Locusts have twice visited Arrah and done some damage during the week. Prices stationary.
	Buxar ...	0·3	
	Bhabuah ...	1·16	
30	Durbhanga „ 11, '91	2·03	Weather—cloudy and occasionally close. Transplantation of paddy and *marua* progressing, but more rain wanted. *Bhadoi* sowings have germinated well, but much injury appears to have been done by locusts which appeared during the week; extent of damage not yet ascertained. Prices remain stationary.
	Madhubani ...	3·08	
	Somastipur ...	7·26	
31	Mozufferpur „ 11, '91	3·55	Heavy rain in the first part of the week. West wind for two days; easterly winds latterly. *Bhadoi* sowings and transplanting of paddy continue. Flights of locusts reported from all parts, but little damage has been done by them.
	Hajipur ...	3·47	
	Sitamarhi ...	4·32	
32	Sarun „ 11, '90	0·52	Weather—hot and sultry. Rain in places, but very little. Rain wanted for all crops. Locusts are doing damage locally in many places. Indigo manufacture in full swing everywhere.
33	Chumparun „ 11, '91	2·71	Weather—cloudy and overcast throughout the week; rainy at times. Transplantation of paddy and manufacture of indigo are progressing. *Bhadoi* germination coming on well. Prices stationary.
	Bettiah ...	3·57	
	BHAGULPORE DIVN.		
34	Monghyr „ 11, '91	1·47	A break in the rains since 6th instant and westerly winds and very oppressive weather prevailed; to-day (11th) wind has turned to the east. 14 annas of *bhadoi* reported to have been sown in Begusserai and 12 annas in Jamui. Locusts still in many parts of the district, but the damage is generally less than was anticipated.
	Beguserai ...	2·70	
	Jamui ...	4·78	
35	Bhagulpur „ 11, '91	4·26	Weather—good rain early in week; latterly fine and hot. Rain has improved prospects generally. *Aghani* paddy is being transplanted. Damage is still being caused by locusts. Price of common rice 15 seers 2 chittacks per rupee.
36	Purneah „ 11, '91	2·31	Rain light at head-quarters; there are now intervals of hot sunshine. For the head-quarters subdivision at least 14 annas of the usual area have been sown with *bhadoi*. That crop and jute have been doing well, but the locusts have spread north to both Arrareah and Kishengunge and have damaged jute as well as *makai* and *marua* to some extent.
	Kishengunge ...	4·75	
	Arrareah ...	5·61	
37	Maldah „ 11, '91	2·64	Weather—cloudy and rainy with breaks at times. Prospects of all standing crops good, but some slight damage to *bhadoi* in Nawabgunge, and to mulberry, indigo and *makai* in Sudder and Rattua thannahs, has been done by locusts. Common rice selling at from 14 to 19 seers a rupee.
	Chanchal ...	5·21	
	Shibgunge ...	4·73	
38	Sonthal Pergns. „ 11, '91	2·61	Weather—cloudy and sultry. Prospects fair. Rain of last week has greatly benefited paddy seedlings and young *janera*. People are very busy preparing ground for transplantation; another shower just now will greatly help this. Several small flights of locusts in Dumka, Deoghur, Pakour, and Rajmehal subdivisions; they have done some injury to young paddy and *janera*, but indigo is reported to have been damaged to a considerable extent. In Godda there have been several flights of locusts since the 19th, and much damage has been done to the early *janera* and paddy seedlings.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
Orissa Divn.	39	Cuttack, July 11, '91	2·42	Weather—cloudy and cool. *Beali* and *sarad* rice doing well, but in some parts sowing not yet completed. More rain still wanted.
	40	Pooree „ 9, '91 Khoorda ... Banpur ...	0·24 0·69 0·17	Weather—cloudy with drizzling showers of rain. More rain wanted for winter rice. Miscellaneous crops doing well. Price of common rice stationary.
	41	Balasore „ 11, '91	0·61	Weather—cloudy, but almost rainless. Sowings of *beali* rice 16 annas in Bhadrak, 14 annas in Sudder. Rain much wanted in Sudder subdivision. Locusts have made their appearance in the centre of the district.
CHOTA NAGPORE				
South-West Frontier Agency.				
Chota Nagpore Divn.	42	Hazaribagh July 11, '91 Giridih ...	4·37 4·14	Weather—wet and seasonable. Cultivation and sowing in progress satisfactorily. Damage done by locusts only temporary. Prices stationary.
	43	Lohardugga „ 11, '91 Palamow (up to 6th July)	2·08 5·22	Weather—cloudy and hot. Ploughing continues. More rain wanted in head-quarters subdivision. Prices steady.
	44	Singhbhoom „ 11, '91	1·48	Weather—seasonable. Crops doing well. Locusts are still in the district, but are doing no appreciable harm.
	45	Manbhoom „ 11, '91 Govindpur ...	2·07 4·23	Weather—very rainy and cool. Ploughing operations in full swing. Some damage reported to have been done to crops by locusts in vicinity of Purulia, Topchanchi, and Tundi. Price of common rice from 15 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 14*th July*, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th July 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
July	5th	129·8	Nil	29·432	82·6	86·9	8·3	78·6	79·7	0·980	78·6	88	SW and WSW ...	250	0·46	Cloudy, o, g, d, p.
"	6th	104·8	"	·468	81·7	84·0	5·3	78·7	78·6	·940	77·3	87	SW and SW by W...	196	0·16	Cloudy, o, g, d, p.
"	7th	145·7	2·2	·491	83·0	88·9	11·2	77·7	78·6	·919	76·7	81	SW and WSW ...	218	0·01	Chiefly cloudy o, g, d.
"	8th	106·7	Nil	·495	81·5	82·0	4·0	78·0	78·0	·915	76·5	85	WSW, SW and S by W.	207	Nil	Cloudy, o, g, lr.
"	9th	115·4	"	·451	83·0	86·3	8·3	78·0	79·3	·956	77·9	85	SW and SSW ...	166	"	Cloudy, o, g
"	10th	112·3	"	·403	83·3	85·1	5·8	79·3	80·0	·984	78·7	86	WSW and S by W...	96	0·04	Cloudy, o, g, d.
"	11th	143·7	2·1	·459	84·0	88·2	8·8	79·4	79·2	·935	77·2	80	E and ESE ...	168	0·02	Chiefly cloudy, o, g, d.

	Inches.
The mean pressure of the seven days	29·457
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·552
	Hours.
The total number of hours of bright sunshine	4·3
The maximum possible number of hours of sunshine	93·9
	°
The mean temperature of the seven days	82·7
The average temperature of the corresponding period for 24 years, S.-G.'s Office	84·0
The extreme variation of temperature	11·2
The maximum temperature	88·9
	Miles.
The highest velocity of the wind in one hour	17
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	85
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	85
	Inches.
The total fall of rain from 5th to 11th July 1891	0·69
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·13
The total fall from 1st January to 11th July 1891	18·48
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	25·77

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; lr, lightning reflection.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 13th July 1891.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	STATION OBSERVATIONS. Air Pressure. Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level to Lat 45°.	Variation from normal mean.	Temperature. Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Humidity. Mean, 8 A.M., humidity.	Variation from normal mean.	Cloud. Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.	Rainfall.
Orissa.	Pooree	Pooree ...	29·676	29·474	29·580	29·539	—	93·2	73·6	90·3	83·6	86·5	—	83	—	4·4	—	0·88
		Gopalpore ...	29·688	29·524	29·586	29·546	+·018	91·7	78·3	88·9	83·0	85·9	+1·6	83	—	4·0	—	0·48
		False Point ...	29·679	29·517	29·598	29·560	+·001	101·0	75·6	92·3	81·2	86·8	+1·2	82	—02	7·6	+0·4	2·59
	Cuttack	Cuttack ...	29·608	29·464	29·531	29·552	+·005	107·9	73·8	101·4	81·7	91·6	+3·4	71	0	6·4	0	2·73
	Balasore	Balasore ...	29·648	29·448	29·537	29·537	—·002	101·5	71·8	94·4	78·6	86·5	+0·7	82	—	3·8	—	5·32
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island ...	29·684	29·471	29·580	29·549	—·001	94·2	75·5	92·5	83·3	87·9	+1·5	82	—5	7·6	—0·3	10·06
	Midnapore	Midnapore ...	29·561	29·353	29·448	29·542	—·003	105·4	70·2	98·5	79·7	89·1	+1·8	79	—	2·6	—	4·93
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta ...	29·699	29·462	29·578	29·544	—·001	98·1	74·2	93·6	80·2	86·9	+1·8	84	+1	6·5	—0·8	5·93
	Burdwan	Burdwan ...	29·639	29·370	29·501	29·543	—·003	102·7	74·9	95·8	80·7	88·3	+1·4	81	+1	6·5	—0·7	2·85
	Bankoora	Bankoora ...	29·403	29·172	29·274	29·519	—·003	108·6	71·6	98·7	79·4	89·1	—	81	—	4·5	—	4·90
	West Burdwan ... Beerbhoom ...	Ranigunge ...	29·399	29·141	29·254	29·544	—·004	107·0	72·4	99·3	79·9	89·1	+1·0	80	—	5·3	—	6·06
	Moorshedabad	Berhampore ...	29·659	29·387	29·518	29·533	—·018	101·2	74·3	94·1	79·3	86·7	+1·1	91	+9	7·6	—0·7	4·20
	Nuddea	Krishnagore ...	29·670	29·419	29·545	29·539	—·002	100·7	72·7	94·6	80·0	87·4	+1·3	83	—	6·5	—	7·02
	Jessore and Khoolna ...	Jessore ...	29·711	29·442	29·574	29·553	—·014	97·2	75·4	92·1	80·2	86·2	+0·9	89	+2	9·0	+0·3	6·77
East Bengal.	Chittagong	Chittagong ...	29·696	29·472	29·591	29·625	—·007	90·7	71·1	88·0	77·7	82·9	+1·6	84	—4	7·3	—0·7	8·36
	Chittagong Hill Tracts	Demagri ...	Observations not received.															
	Backergunge	Barrisal ...	29·746	29·482	29·620	29·577	—·003	94·8	74·9	91·0	79·5	85·2	+2·4	85	—	5·6	—	5·76
	Noakholly	Noakholly ...	29·734	29·497	29·612	29·602	—·004	91·5	69·8	87·8	78·6	83·2	+1·5	88	—	3·9	—	15·85
	Furreedpore	Furreedpore ...	29·715	29·459	29·592	29·579	+·001	94·5	72·9	90·2	78·9	84·6	+1·7	90	—	6·5	—	9·92
	Dacca	Dacca ...	29·735	29·479	29·606	29·575	—·008	93·6	72·2	90·1	79·4	84·8	+1·1	89	0	8·3	+0·2	15·45
	Commillah	Commillah ...	29·734	29·490	29·618	29·601	+·001	92·3	70·8	89·2	76·9	83·0	—1·0	86	—	3·9	—	10·67
	Mymensingh	Mymensingh ...	29·715	29·449	29·583	29·591	—·004	91·7	69·6	86·0	76·1	81·0	—1·4	92	—	8·2	—	15·69
North Bengal.	Bogra	Bogra ...	29·676	29·395	29·538	29·551	+·002	95·3	71·2	89·7	76·8	83·2	—0·4	88	—	7·4	—	8·82
	Pubna	Serajgunge ...	29·730	29·441	29·572	29·567	—·008	94·6	70·7	89·7	76·6	83·2	+0·2	92	—	8·2	—	12·79
	Rajshahye	Rampore Beauleah.	29·605	29·386	29·525	29·544	+·003	98·8	71·7	91·5	78·9	85·2	+1·4	88	—	6·0	—	8·51
	Maldah	Maldah ...	29·659	29·447	29·520	29·560	—	100·0*	72·5*	94·1*	79·4*	86·8*	—	88	—	4·9	—	6·33
	Dinagepore	Dinagepore ...	29·645	29·330	29·487	29·557	—·025	97·1	73·7	90·7	77·5	84·1	+1·2	89	—	8·8	—	3·51
	Rungpore	Rungpore ..	29·602	29·368	29·509	29·585	—·010	92·8	71·7	89·3	76·3	82·8	+0·7	88	—	3·1	—	10·94
	Julpigoree and Cooch Behar.	Julpigoree ...	29·512	29·253	29·357	29·593	—·004	91·9	71·1	87·9	75·4	81·7	+1·0	88	—	3·3	—	9·74
	Darjeeling Hill Tracts..	Darjeeling ...	22·908	22·743	22·855	—	—·030	68·1	51·6	65·0	55·5	60·3	+0·3	95	+2	9·4	+0·7	14·40
North Behar.	Purneah and North Bhagulpore.	Purneah ...	29·637	29·326	29·470	29·546	—·006	96·2	72·2	91·2	76·2	83·7	—1·1	88	+2	6·8	+0·2	5·94
	Mozufferpore	Mozufferpore ...	29·571	29·263	29·383	29·513	—	101·4	72·2	93·7	79·6	86·7	—	84	—	4·3	—	8·64
	Durbhunga	Durbhunga ...	29·606	29·316	29·431	29·540	0	99·9	73·5	92·6	79·1	85·8	+0·1	84	+2	4·7	—0·7	5·55
	Chumparun	Motihari ...	29·530	29·217	29·349	29·528	—·007	100·2	70·8	92·9	77·9	85·4	—0·3	81	—	6·8	—	8·78
	Sarun	Chupra ...	29·550	29·248	29·373	29·504	—·019	103·3	72·9	97·4	79·7†	88·5†	+0·5	78	—	2·6	—	4·56
South Behar.	Shahabad	Dehree ...	29·330	29·080	29·210	29·506	—·008	110·0	73·0	102·8	81·7	92·1	+4·0	56	—	3·1	—	4·47
		Buxar ..	29·458	29·192	29·313	29·501	—·021	106·9	71·8	98·4	81·2	89·8	+0·6	62	—	3·8	—	1·93
		Arrah ...	29·542	29·245	29·367	29·506	—·005	106·4	71·7	97·8	80·2	89·0	—0·1	70	—	1·9	—	7·30
	Gya	Gya ...	29·337	29·072	29·191	29·511	—·006	110·6	70·8	101·7	82·2	91·9	+2·2	76	+9	5·4	—1·0	6·35
	Patna	Bankipore ...	29·509	29·258	29·380	29·512	—·021	105·6	72·2	96·4	80·0	88·2	—0·4	75	+2	4·6	—1·6	10·51
	South Bhagulpore and Monghyr.	Bhagulpore ...	29·579	29·284	29·410	29·521	—·011	101·3	74·0	93·8	79·2	86·5	+1·2	88	—	6·2	—	4·03
	Sonthal Pergunnahs ...	Naya Doomka	29·251	28·962	29·090	29·527	+·006	108·2	71·3	97·1	79·8	88·5	+1·9	74	—	2·9	—	3·89
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	27·712	27·508	27·609	29·512	+·002	?	?	?	?	?	?	?	?	5·7	—2·8	3·83
	Lohardugga ... Manbhoom ...	Ranchee ...	27·502	27·407	27·494	29·515	+·007	105·0	68·9	96·9	76·3	86·7	+2·6	60	—	4·2	—	2·40
	Singbhoom	Chyebassa ...	28·943	28·763	28·826	29·510	+·016	111·3	74·7	103·2	80·9	92·1	+3·3	63	—	3·2	—	3·82
Assam	Sibsagar	Sibsagar ...	29·487	29·193	29·327	29·613	—·021	94·1	73·0	87·7	76·4	82·0	—1·3	94	+5	8·0	+0·2	11·42
	Goalpara	Dhubri ...	29·675	29·363	29·517	29·586	—·011	90·2	70·8	85·2	75·3	80·3	—1·0	91	+1	8·8	+1·4	14·30
	Cachar	Silchar ...	29·689	29·430	29·570	29·624	—·010	94·0	70·3	89·5	75·9	82·7	+0·8	89	+8	8·9	+0·6	16·99

* Mean of 27 days. | † Mean of 23 days.

Bengal for the month of June 1891.

DISTRICT OBSERVATIONS. Rainfall. Of month. Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Since 16th May 1891. Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.	Representative stations.	DISTRICT	METEOROLOGICAL DIVISION.
1·04	8·42	−7·38	2 25	9 32	5 33	10·33	−5·00	7 00	11·53	Pooree, Gopalpore, False Point ...	Pooree ...	ORISSA.
1·29	9 56	−8·27	4·20	10·10	5·66	11·59	−5·93	8·60	13·20	Cuttack ..	Cuttack	ORISSA.
4·28	8·40	−4·12	7·17	10·14	7·60	10·89	−3·29	13·09	13·61	Balasore	Balasore	ORISSA.
9 08	9·81	−0·73	8·00	11 58	11·18	11 92	−0·74	12·33	15·03	Saugor Island	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
7·33	9·44	−2·11	8 00	10 84	13·58	11 37	+2·21	13 67	14·20	Midnapore ...	Midnapore	SOUTH-WEST BENGAL.
5·56	9 86	−4·30	7·30	12 29	10·38	12·38	- 2·00	13 50	16 15	Calcutta ...	24-Pergunnahs, Howrah and Hooghly.	SOUTH-WEST BENGAL.
4·71	8 88	−4·17	8·33	11·26	13·35	11·41	+1·94	15 64	14·66	Burdwan ...	Burdwan	SOUTH-WEST BENGAL.
6 28	10 34	−4 06	8 00	12·42	14·90	12 35	+2 55	13 75	15·88	Bankoora .	Bankoora	SOUTH-WEST BENGAL.
4·67	10 07	−5·49	7·75	11·67	13 50	12·01	+1·49	14·25	14·84	Raniguuge ...	West Burdwan and Beerbhoom.	SOUTH-WEST BENGAL.
7·14	9·13	−1·09	9 33	11·59	15·71	12·21	+3·50	16 50	15 70	Berhampore	Moorshedabad	SOUTH-WEST BENGAL.
5·39	9·72	−4·33	8·00	12·28	14 26	13 09	+1·17	15 20	16 39	Krishnagore .	Nuddea	SOUTH-WEST BENGAL.
6·43	12 32	−5·89	8·38	14·29	14 50	15·47	−0·97	16 26	18 61	Jessore ..	Jessore and Khoolna ...	SOUTH-WEST BENGAL.
8·98	29·63	−20 65	12 00	18·33	14·63	34 60	−19·97	20 00	23 21	Chittagong ...	Chittagong	EAST BENGAL.
12·43	18·91	−6·48	18·00	20·05	21·15	23·07	−1·92	26·00	25·35	Demagri ...	Chittagong Hill Tracts	EAST BENGAL.
8 95	19 20	−10·25	8 25	17·72	16 85	22 93	−6 08	18·00	22 43	Barrisal ..	Backergunge	EAST BENGAL.
12·99	27·32	−14 33	15·50	17·65	23 32	31 85	−8·53	24·50	22·80	Noakholly	Noakholly	EAST BENGAL.
7·95	12·55	−4·60	10·33	14·92	13·61	16·64	−3·03	18 66	19·63	Furreedpore ...	Furreedpore	EAST BENGAL.
13·12	13·25	−0·13	12·25	15·02	23 18	17·14	+6·04	22·50	20·22	Dacca ..	Dacca ...	EAST BENGAL.
14·39	16 45	−2·06	11·75	16·64	25·96	20·71	+5·25	21·00	21·88	Commillah ...	Tipperah	EAST BENGAL.
19·64	17·60	+2 04	16 10	16·29	30·92	22·16	+8·76	25·40	22·13	Mymensingh ...	Mymensingh	EAST BENGAL.
8·47	12·77	−4·30	12·00	13 31	16·47	17·28	−0·81	19·50	18·39	Bogra ...	Bogra	NORTH BENGAL.
9·26	11 15	−1·89	13·50	13·33	16·03	14 85	+1·18	20 50	18·06	Serajgunge ...	Pubna	NORTH BENGAL.
6·47	11·20	−4·73	9·67	12·49	14·87	14·69	+0·18	16·34	16·62	Rampore Beauleah.	Rajshahye	NORTH BENGAL.
6·15	11·86	−5·71	6 50	11 63	11·08	14·63	−3·55	11·50	14·07	Maldah ...	Maldah	NORTH BENGAL.
6·28	13 62	−7 34	7·20	13·09	12·67	17 73	−5·06	13·80	16 77	Dinagepore ...	Dinagepore	NORTH BENGAL.
9·24	21·30	−12·06	10 75	15·64	21·17	28 39	−7·22	21·25	21 69	Rungpore ...	Rungpore	NORTH BENGAL.
16·41	31·08	−14·67	14 40	19·93	25·44	39·37	−13·93	23·20	27·05	Julpigoree ...	Julpigoree and Cooch Behar.	NORTH BENGAL.
14·50	29·11	−14·61	16 25	20·77	25·19	35·90	−10·71	25·00	27 85	Darjeeling ...	Darjeeling Hill Tracts.	
5·49	11·50	−6·01	8·60	10·57	13 62	14 45	−0·83	16·00	13 41	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
11·33	7·42	+3 91	8·33	7·98	14·26	8·72	+5·54	14·16	9·84	Mozufferpore ...	Mozufferpore	NORTH BEHAR.
7·78	8·03	−0 25	5 67	8·55	11·50	9·31	+2·19	10·67	10·29	Durbhunga ..	Durbhunga	NORTH BEHAR.
7·99	8 19	−0·20	9 00	8·71	12 89	9 47	+3·42	15·00	10·76	Motihari ...	Chumparun	NORTH BEHAR.
9·89	6·42	+3·47	7·33	7·51	11·48	7·51	+3·97	9·33	9 02	Chupra ...	Sarun	NORTH BEHAR.
3·52	5·20	−1·68	4·40	6 80	4 45	6·04	−1·59	5 80	7·96	Dehree ..., Buxar ..., Arrah ..	Shahabad	SOUTH BEHAR.
5·60	5·63	−0·03	5·00	6·84	6·82	6·95	−0·13	6·50	8·15	Gya ...	Gya	SOUTH BEHAR.
9·45	6·24	+3·21	6·75	7·21	12·76	7·59	+5·17	9·50	8·72	Bankipore ...	Patna	SOUTH BEHAR.
6·03	6·95	−0·92	6·40	8·63	10·54	8·49	+2·05	9·80	10 53	Bhagulpore ...	South Bhagulpore and Monghyr.	SOUTH BEHAR.
4·51	8·95	−4·44	7·33	11·28	11·45	11·28	+0·17	13·66	14·08	Naya Doomka ..	Sonthal Pergunnahs ..	SOUTH BEHAR.
4·25	8·17	−3 92	6·40	10·41	8·45	9·69	−1·24	10·80	12 62	Hazaribagh .	Hazaribagh	CHUTIA NAGPUR.
2·04	7·51	−5·47	4·33	10·40	4·72	9 11	−4·39	7 33	12·69	Ranchee ...	Lohardugga	CHUTIA NAGPUR.
5·03	8·08	−3·05	7·50	11·28	9·41	9·61	−0·20	11·00	13 00	Ranchee ...	Manbhoom	CHUTIA NAGPUR.
3·74	8·30	−4 56	4·00	11 55	7·22	10·72	−3·50	8·00	15·02	Chyebassa ...	Singbhoom	CHUTIA NAGPUR.
										Sibsagar... ..., Dhubri ... ..., Silchar	Assam ...	ASSAM

Table of Rainfall recorded at Station

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ...	...	...	...	0·76	...	0·03	...	0·05	...	0·08	...	0·09	...	...	...	...	...	...	...	...
		Khurdah ...	...	...	...	0·10	...	...	...	0·04	...	0·21	...	0·04	...	...	...	...	...	...	...	...
		Banpur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15	...	...	...	...	...
		False Point ...	0·18	0·33	...	...	...	...	...	...	...	0·04	...	...	...	...	...	...	...	...	...	...
		Gop ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Satpara ...	...	...	...	0·24	...	0·68	...	0·46	0·06	...	...	...	...	...	...	...	...	...	...	...
		Pipli ...	...	...	...	0·30	...	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...	...
	Cuttack ...	Jagatsingpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banki ...	...	...	...	...	...	...	...	0·12	...	0·03	...	0·07	...	...	...	0·22	...	...	...	...
		Cuttack ...	...	0·59	...	0·43	...	...	...	0·41	...	...	0·35	0·27	...	...	...	...	...	...	...	...
		Kendrapara ..	...	...	0·04	...	0·10	...	...	0·47	0·03	...	...	...	...	...	...	...	...	0·20	...	...
		Jajpore ...	...	...	...	...	0·44	0·02	...	0·45	...	0·10	0·10	...	...	...	...	...	...	...	...	...
		Dharmsalla ...	...	...	...	...	0·25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Salipore ...	...	0·10	...	1·41	...	...	...	0·76	...	...	0·40	0·45	...	...	...	...	...	...	...	...
	Balasore ...	*Akhoyapada* .	...	...	...	...	...	0·63	...	0·28	...	0·05	0·24	...	...	...	...	...	...	...	...	...
		Chandbali ..	...	...	...	...	...	1·30	...	0·56	...	...	...	...	...	...	...	...	...	...	0·13	...
		Bhuddruck ...	0·15	...	...	...	...	0·70	...	0·20	0·10	0·10	0·30	...	...	...	...	...	...	...	...	...
		Sorah ..	0·60	...	0·70	...	...	...	...	0·90	0·50	0·20	...	...	...	...	...	...	...	...	...	...
		Balasore ...	0·95	0·84	...	0·10	...	...	...	0·11	0·21	1·22	0·04	0·01	0·41	...	...	...	...	...	...	...
		Jellasore ..	...	2·00	...	...	...	0·40	...	...	1·03	1·30	...	...	...	...	...	...	...	...	...	...
		Baripodah ...	0·62	...	...	...	...	...	0·10	0·09	0·60	...	0·05	...	...	...	...	...	...	...	...	...
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	...	0·65	...	0·30	...	0·09	...	...	...	0·14	...	...	...	...	...	...	...	...	...	...
		Saugor Island	...	1·13	0·65	0·56	...	0·12	...	0·85	...	...	0·20	...	...	...	...	...	...	...	...	...
		Tumlook ...	...	0·90	...	6·50	...	0·99	...	0·20	0·16	...	0·05	...	...	...	...	...	...	...	...	...
		Midnapore ...	...	0·50	...	0·80	0·12	...	1·15	...	0·47	0·07	0·15	...	...	...	...	...	...	...	...	...
		Ghatal ..	...	0·46	...	0·60	0·34	...	0·70	2·09	0·20	0·08	...	...	...	...	...	...	...	...	...	...
		Kukrahaty ...	...	0·08	...	0·26	1·02	1·04	...	0·19	0·46	0·45	...	...	...	...	...	...	...	...	...	...
		Garbeta ...	...	0·42	...	0·50	1·42	0·29	...	1·05	0·71	...	...	...	...	...	...	...	...	...	...	...
	24-Pergunnahs	Diamond Harbour.	...	0·60	5·04	0·98	0·60	0·55	...	0·92	0·12	0·20	...	...	...	...	...	...	...	...	...	...
		Canning Town	...	...	...	3·72	0·04	0·31	0·02	0·67	0·07	...	2·01	...	...	...	...	...	...	...	...	...
		Alipore Jail ...	0·27	0·34	...	0·46	...	0·30	0·16	2·45	0·15	...	...	...	...	...	0·03	...	...	...	...	...
		Barrackpore...	...	...	...	0·45	...	0·05	...	0·29	0·89	...	...	...	...	...	...	...	...	...	...	...
		Dum-Dum ...	...	...	...	0·32	...	0·18	...	0·21	0·32	0·18	...	...	...	...	...	...	...	...	...	...
		Baraset ...	...	0·14	0·16	0·36	1·17	1·53	...	0·16	1·62	...	...	...	...	...	...	...	...	...	...	...
		Buseerhat ..	...	1·10	3·22	...	...	0·54	2·01	0·66	1·77	...	...	...	...	...	...	...	...	...	...	...
	Howrah ...	Howrah ...	...	0·32	..	0·16	0·13	1·52	0·38	1·90	0·05	...	...	...	...	...	0·02	...	...	...	...	...
		Mohesreka ... (*Oolooberiah*).	...	0·50	0·07	0·80	0·15	0·09	...	0·70	0·24	...	...	...	...	...	...	...	...	...	...	...
	Hooghly ...	Serampore ...	...	...	...	0·17	0·38	...	...	0·50	0·53	...	...	...	...	...	0·02	...	...	...	...	...
		Hooghly ..	...	...	1·02	1·68	0·49	...	...	0·06	0·30	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad ...	...	1·25	...	1·29	0·05	0·08	...	1·75	0·35	...	...	...	...	...	...	...	...	...	...	...
	Burdwan ...	Culna ..	...	...	...	0·37	0·61	0·80	...	0·75	...	...	...	...	...	...	...	...	...	0·18	...	...
		Burdwan ...	0·02	1·05	0·31	0·30	0·39	0·14	..	0·25	0·29	0·04	...	...	...	...	...	...	...	...	...	...
		Cutwa ...	...	..	1·20	1·38	.	0·22	0·20	0·40	0·30	...	...	...	...	...	...	...	...	0·50	...	...
		Raneegunge ..	...	0·61	...	2·35	0·53	0·10	0·20	0·43	0·04	...	0·01	...	...	...	...	...	...	...	...	...
		Mankur ...	...	1·55	...	0·65	0·23	0·13	1·28	0·55	0·62	...	0·31	...	...	...	...	...	...	..	...	...
	Bankoora ...	Bankoora ...	...	0·22	0·02	0·62	1·26	0·93	...	0·01	0·21	0·80	...	...	...	...	0·01	...	...	...	...	...
		Bishenpore ...	...	0·27	...	2·05	0·39	0·53	0·73	1·90	0·09	...	...	...	...	...	...	...	...	...	...	...
		Maliara ...	...	0·55	...	2·16	0·25	0·45	0·57	2·45	0·11	...	0·75	...	...	...	...	...	...	...	...	...
		Khatra ...	...	0·82	...	0·42	0·75	...	...	...	...	0·30	...	...	...	...	...	...	..	...	0·34	...
		Indas ...	...	0·34	0·02	0·50	...	0·96	0·06	0·29	0·21	..	...	...	...	...	...	...	...	...	...	...
		Kotalpore ...	...	0·39	...	1·42	...	1·02	...	1·32	1·45	0·67	...	...	...	...	...	...	...	...	...	...
		Anda ...	...	0·24	0·45	0·15	...	...	0·12	...	0·15	...	...	...	...	...	...	...	...	...	...	...
		Gangajalghati	..	0·48	...	1·03	0·18	2·16	...	0·53	0·71	...	0·61	...	...	...	...	...	...	...	..	...
		Raipore ...	...	0·45	...	...	4·12	...	...	1·65	0·14	0·82	0·96	...	...	...	...	...	...	...	...	...
		Sonamukhi ...	...	1·00	...	0·66	1·67	0·35	...	0·49	1·39	...	1·27	...	...	...	...	...	...	...	...	...
	Beerbhoom ...	Bh. Soory ...	...	0·05	0·92	0·14	0·15	0·01	0·58	0·25	0·05	0·32	0·04	...	...	...	...	...	...	...	...	...
		Hetampore ...	...	0·54	0·12	0·42	0·51	0·03	1·55	0·13	0·02	...	...	...	...	...	...	...	...	...	...	...
		Rampore Haut	...	0·01	0·51	.	0·11	...	0·12	...	0·09	...	...	...	...	...	...	...	...	0·56	0·25	...
		Bolpur ...	...	...	...	2·67	0·90	0·24	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Murarai ...	...	...	1·10	...	0·44	...	0·26	...	...	...	...	0·42	...	...	...	...	...	...	...	...
	Nuddea ...	Ranaghat ...	...	...	...	0·21	...	...	0·06	1·70	0·20	...	...	...	...	...	...	...	...	0·11	...	...
		Kishnaghur ...	...	1·79	...	0·09	0·39	0·02	...	1·60	0·01	...	...	...	...	...	...	...	...	...	...	...
		Chooadunga ..	...	...	0·44	0·03	0·92	...	...	0·32	0·80	...	...	0·12	...	...	...	...	...	0·09	0·20	...
		Meherpore ...	...	...	0·30	...	...	0·90	...	0·54	0·95	...	...	...	..	...	...	...	...	0·10	0·50	...
		Kooshtea ...	...	1·44	0·23	0·20	0·12	0·22	0·13	...	1·14	...	...	0·10	...	...	...	...	0·84	0·78	0·40	...
	Khoolna ..	Satkhira ...	...	0·53	0·89	0·03	...	0·59	0·07	2·15	...	...	...	...	...	0·02	...	...	...	...	...	...
		Bagirhat ...	...	...	0·15	1·85	...	0·60	...	0·26	2·32	1·30	...	1·95	...	...	...	...	...	...	...	...
		Khoolna ...	0·78	0·12	0·05	0·39	...	...	...	...	0·06	0·42	...	0·21	...	...	...	...	...	...	...	...
		Nakipur ...	1·84	..	2·25	1·50	...	0·28	...	...	2·25	...	...	...	...	...	...	...	...	...	...	...
		Rampal ...	0·07	0·15	0·54	1·07	0·85	...	...	1·02	...	...	0·39	...	...	...	...	...	...	...	...	...
	Jessore ..	Narail ...	...	0·49	0·54	0·95	...	...	...	...	0·44	0·47	...	...	...	...	0·03	...	...	0·03	0·37	...
		Jessore ...	0·04	0·33	0·03	1·30	0·42	...	0·30	1·24	0·08	...	...	0·24	...	...	...	...	...	0·02	0·25	...
		Jhenidah ...	0·04	...	...	1·02	...	0·08	...	1·12	2·21	0·05	...	0·22	...	...	...	...	...	0·57	...	...
		Magoorah ...	...	0·13	0·27	0·84	1·46	...	0·16	1·80	1·18	...	...	0·23	...	...	...	...	...	0·56	0·28	...
		Bongong ...	...	0·86	...	0·20	...	...	...	1·83	0·58	0·10	...	..	...	...	...	...	...	...	...	...
	Moorshedabad	Kandi ...	...	0·19	0·86	0·09	0·15	...	...	1·86	...	...	...	...	...	...	...	...	...	1·02	0·34	...
		Berhampore...	...	...	0·25	0·10	0·44	...	0·08	...	0·78	...	...	...	...	...	...	...	0·25	0·53	0·12	...
		Lalbagh ...	...	...	0·40	0·12	0·14	...	0·27	0·02	1·50	...	...	...	...	...	...	...	...	0·82	...	...
		Azimgunge ...	...	...	0·28	...	..	0·12	0·06	...	1·10	...	...	...	...	..	...	...	...	0·57	...	...
		Jungipore ...	...	...	...	0·23	0·22	0·12	0·30	...	...	...	...	...	...	...	...	...	...	...	0·40	...
		Lalgola .	...	...	...	...	...	0·25	0·50	...	...	...	...	0·25	...	...	...	...	...	1·15	...	0·65
		Akhriganj ...	...	...	0·50	...	0·05	0·58	0·05	0·50	0·92	...	0·10	...	...	...	...	...	...	0·55	0·72	...
		Patkabari ...	...	3·60	...	...	0·20	...	0·90	1·30	...	...	...	...	...	...	...	...	0·80	0·85	...	...
EAST BENGAL	Chittagong ...	Cox's Bazar ...	...	0·10	..	...	...	0·20	...	0·22	0·80	0·84	0·85	0·64	0·09	...	...	3·02	0·09	0·47	...	0·09
		Chittagong ...	...	...	...	...	...	1·80	...	0·56	...	1·17	2·00	.	0·15	0·85	...	1·00	0·44	...	0·25	...
		Kutubdia ...	0·23	...	0·32	...	...	0·12	...	0·17	1·10	0·66	2·92	0·55	0·05	0·54	...	1·50	0·79	...	...	0·51
		Satkanya ...	...	0·16	0·03	...	0·10	2·13	0·03	0·50	0·16	0·87	2·50	0·17	0·02	0·41	...	0·12	0·23	...	0·02	...
	Chittagong Hill Tracts.	Rangamati ..	0·10	0·43	0·35	0·52	0·12	0·22	0·51	0·09	0·74	1·70	0·82	...	0·32	1·32	0·20	0·97	1·14	0·28	...	...
		Bandarban ...	...	0·60	0·48	..	0·75	0·90	0·38	1·92	1·86	1·02	0·84	1·70	...	0·94	...	0·81	0·55	...	...	...

in Bengal in June 1891.

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 30th June 1891.	Average rainfall from 16th May to 30th June.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	0·02	...	...	1	8·25	1·03	7·98	0·76	4·72	9·44	Pooree ..	Pooree .	ORISSA.
...	...	...	...	...	...	...	...	...	...	2	10·84	0·39	9·50	0·21	5·38	11·57	Khurdah.		
...	...	...	...	...	...	...	...	...	...	1	9·17	0·15	7·17	0·15	6·10	8·94	Banpur.		
...	...	...	...	...	...	...	1·08	0·86	0·10	5	9·00	2·59	9·01	1·08	5·07	11·32	False Point.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	1·43	?	*Gop.*		
...	...	...	...	...	...	...	0·80	...	...	4	?	2·24	?	0·80	8·21	?	*Satpara.*		
...	...	...	...	...	...	...	...	...	...	2	?	0·40	?	0·30	—	?	*Pipli.*		
...	...	...	...	...	...	...	...	...	...	Nil	8·11	Nil	7·23	Nil	4·33	8·64	Jagatsingpore	Cuttack.	
...	...	...	...	...	...	...	0·14	0·02	0·04	3	11·38	0·64	10·28	0·22	6·48	11·75	Banki.		
...	...	...	...	...	...	...	...	0·01	0·06	5	11·55	2·14	11·52	0·64	6·81	14·32	Cuttack.		
0·09	...	...	...	...	...	...	0·15	0·14	0·10	6	9·05	1·32	8·87	0·47	4·04	10·85	Kendrapara.		
...	...	...	...	...	...	...	0·50	0·19	0·56	7	10·37	2·36	9·88	0·51	6·03	12·36	Jajpore.		
...	...	...	...	...	...	...	...	1·49	...	2	?	1·74	?	1·49	—	?	*Dharmsala.*		
...	...	...	0·14	...	...	...	...	0·08	0·10	7	?	3·41	?	1·41	7·60	?	*Salipore.*		
...	...	0·76	...	...	...	...	0·39	0·22	0·06	6	?	2·63	?	0·76	6·76	?	Akhoyapada	Balasore.	
...	...	...	...	...	...	...	0·17	0·25	0·05	4	9·47	3·33	7·78	1·30	4·56	10·14	Chandbali.		
...	...	0·10	...	...	...	...	...	0·70	...	9	10·05	2·48	8·91	0·70	6·00	11·97	Bhuddruck.		
...	...	...	...	...	...	...	...	0·20	...	6	9·53	3·10	6·79	0·90	7·30	9·83	Sorah.		
...	...	...	...	...	...	0·15	0·09	0·51	0·18	10	10·35	4·81	8·71	1·22	8·07	11·40	Balasore.		
...	...	...	...	...	...	0·20	0·39	2·50	0·10	8	9·00	7·80	7·97	2·50	10·00	9·86	Jellasore.		
...	...	...	...	...	0·07	2·13	1·36	...	0·16	6	12·41	5·18	10·24	2·13	9·13	12·35	Baripodah.		
...	...	...	...	...	...	0·06	...	1·41	2·23	5	10·50	4·88	9·51	2·23	6·45	11·52	Contal ...	Midnapore ..	SOUTH-WEST BENGAL.
...	...	...	...	...	...	...	...	1·23	5·32	8	11·95	10·06	10·04	5·32	10·90	12·39	Saugor Island		
...	...	...	...	...	...	...	0·80	0·60	0·10	8	9·95	10·21	9·26	6·50	14·36	11·40	Tumlook.		
...	...	...	...	...	...	...	0·32	0·69	...	8	10·80	4·57	8·82	1·15	10·47	10·76	Midnapore.		
...	...	...	...	...	...	...	2·08	0·61	0·07	8	11·78	7·21	10·24	2·09	15·91	11·83	Ghatal.		
...	...	...	...	...	...	0·12	1·74	0·49	0·03	9	?	6·18	?	1·74	8·89	?	*Kukrahaty.*		
...	...	...	...	...	...	...	1·19	...	...	7	?	5·58	?	1·42	14·42	?	*Garbeta.*		
...	...	...	...	...	...	...	1·08	1·30	0·90	11	12·30	12·29	9·87	5·04	16·18	11·83	Diamond Harbour.	24-Pergunnahs.	
...	...	...	...	...	...	...	0·49	0·37	0·07	6	?	7·77	?	3·72	10·63	?	*Canning Town.*		
...	...	...	...	...	...	...	1·16	0·35	0·28	10	12·40	5·95	10·37	2·43	9·28	12·73	Alipore Jail.		
...	...	...	...	...	...	...	1·56	0·40	...	5	11·95	3·64	10·60	1·56	9·24	12·76	Barrackpore.		
...	...	...	...	...	...	...	1·46	0·15	0·69	8	12·35	3·51	9·04	1·46	6·24	12·68	Dum-Dum.		
...	...	...	...	...	...	...	0·39	...	0·04	9	12·30	6·47	9·54	1·53	10·53	12·21	Baraset.		
...	...	...	...	...	...	...	0·71	...	0·81	8	13·20	10·82	10·83	3·22	13·13	14·59	Buseerhat.		
...	...	...	...	...	...	...	1·93	0·17	0·09	8	12·60	6·67	9·91	1·03	10·50	12·05	Howrah .	Howrah.	
...	...	...	...	...	...	...	0·90	0·50	0·23	8	11·93	4·22	9·63	0·90	11·78	11·44	Mohesreka (*Ooloobariah*)		
...	...	...	...	...	...	...	1·48	0·40	...	6	12·00	3·48	9·74	1·18	8·98	11·71	Serampore ...	Hooghly.	
...	...	...	...	...	...	...	0·20	0·97	...	6	12·10	5·32	9·16	1·68	10·96	11·75	Hooghly.		
...	...	...	...	...	...	...	0·01	0·05	0·04	5	12·11	5·47	9·35	1·75	13·04	11·84	Jehanabad.		
...	...	...	...	...	...	...	...	...	...	5	10·21	2·71	8·43	0·80	12·06	10·59	Culna ..	Burdwan	
...	...	...	...	...	...	...	0·15	...	...	8	11·95	2·85	8·30	1·05	13·05	11·01	Burdwan		
...	...	0·46	...	...	...	1·20	0·55	0·30	1·85	12	11·03	8·56	9·92	1·83	14·34	12·64	Cutwa.		
...	...	...	...	...	...	...	0·02	0·34	1·36	8	11·30	6·08	8·38	2·35	16·03	10·38	Raneegunge.		
...	...	...	...	...	...	...	0·22	...	...	9	?	5·64		1·55	13·94	?	*Mankur.*		
...	...	...	...	...	...	0·01	0·76	0·02	0·03	7	12·40	4·90	9·35	1·26	13·45	11·49	Bankoora	Bankoora	
...	...	...	...	...	...	...	...	...	...	7	12·45	6·92	10·50	2·05	15·34	12·77	Bishenpore.		
...	...	...	...	...	...	...	2·24	0·05	0·18	10	11·91	9·76	10·30	2·45	19·28	12·30	Mulhara.		
...	...	0·20	...	...	...	...	0·40	...	0·30	8	12·91	3·53	11·19	0·83	11·54	13·20	Khatra.		
...	...	...	...	...	...	0·06	0·85	...	0·03	6	?	3·41	?	0·96	13·81	?	Indas.		
...	...	...	...	...	...	...	0·35	...	...	7	?	6·62	?	1·45	14·29	?	Kotalpore.		
...	...	...	...	...	...	0·12	0·08	...	0·12	7	?	1·43	?	0·45	5·48	?	Auda.		
...	...	...	...	...	...	...	0·97	...	...	8	?	6·07	?	2·16	16·04	?	Gangajalghati.		
...	...	...	...	...	...	0·33	...	0·18	...	8	?	8·65	?	4·12	19·19	?	*Raipore.*		
...	...	...	...	...	...	...	...	...	...	7	?	6·83	?	1·67	16·02	?	*Sonamukhi.*		
...	...	...	...	...	...	0·01	2·49	...	0·50	8	12·55	8·60	10·47	2·49	12·87	12·63	Bh. Soory ...	Beerbhoom.	
...	...	...	...	...	...	0·44	1·03	...	0·35	9	11·20	5·13	11·42	1·55	15·10	13·44	Hetampore.		
...	...	...	...	...	...	0·07	...	...	0·15	6	11·62	1·87	10·62	0·56	9·68	12·02	Rampore Haut.		
...	...	...	...	...	...	1·99	2·31	...	...	5	?	6·11	?	2·67	15·23	?	*Bolpur*		
...	...	...	...	...	0·09	0·41	...	0·39	...	7	?	3·31	?	1·10	9·54	?	*Murarai.*		
...	...	0·26	...	...	...	...	0·10	0·20	...	6	11·93	2·58	9·63	1·70	12·04	12·37	Rangalhat ...	Nuddea.	
...	...	...	...	...	...	...	0·12	0·15	2·85	6	11·95	7·02	8·81	2·85	15·37	11·35	Kishnaghur.		
...	...	0·12	...	...	...	0·73	0·02	...	0·14	9	12·10	3·93	9·24	0·92	14·14	13·58	Chooadanga.		
...	...	0·65	...	...	...	3·05	...	0·22	...	9	11·93	7·21	9·72	3·05	15·05	12·00	Meherpore.		
...	...	0·10	...	...	...	...	...	...	0·50	13	13·45	6·19	11·21	1·44	14·23	15·20	Kooshtea.		
...	...	...	...	...	...	...	1·85	0·78	0·25	7	14·35	7·16	12·50	2·15	12·57	15·50	Satkhira .	Khoolna.	
...	...	...	...	...	...	...	2·46	0·30	0·11	10	15·42	11·30	14·25	2·46	17·19	17·45	Bagirhat.		
...	...	...	...	...	...	...	0·18	0·22	0·13	9	15·84	3·16	12·93	0·78	10·39	15·65	Khoolna.		
...	...	...	...	...	...	...	1·07	...	1·38	7	?	10·57	?	2·25	—	?	*Nakipur.*		
...	...	...	...	...	...	...	0·72	0·43	0·82	9	?	6·06	?	1·07	10·00	?	*Rampal.*		
...	...	...	...	...	...	...	0·61	0·06	...	7	14·26	3·99	11·21	0·95	10·60	13·96	Narail ..	Jessore.	
...	...	...	...	...	...	...	1·74	0·03	0·41	9	14·05	6·47	12·74	1·74	15·16	16·12	Jessore.		
...	...	...	...	...	...	...	...	...	1·79	7	14·24	7·70	12·75	2·21	17·44	16·10	Jhenidah.		
...	...	...	...	...	...	...	0·04	...	0·12	11	13·42	7·07	11·77	1·80	18·34	15·63	Magoorah.		
...	...	...	...	...	...	...	0·70	0·05	0·25	7	11·75	4·57	10·37	1·83	14·26	13·40	Bongong.		
...	...	...	1·05	...	...	0·35	...	0·25	1·25	10	13·07	7·41	9·54	1·89	13·08	12·54	Kandi ...	Moorshedabad	
...	...	0·16	...	...	...	...	...	0·78	0·71	10	11·70	4·20	9·27	0·75	14·74	12·36	Berhampore.		
...	...	2·36	...	...	...	0·13	...	0·56	0·52	10	11·00	6·84	8·18	2·36	16·47	11·48	Lalbagh.		
...	...	0·35	...	...	...	0·05	...	0·85	1·20	7	11·50	4·58	9·63	1·20	13·31	12·74	Azimgunge.		
...	...	...	1·12	...	...	0·20	0·64	6·51	0·71	10	11·37	10·45	8·72	6·51	18·43	11·72	Jungipore.		
...	...	...	1·05	...	...	0·10	...	4·85	0·55	9	10·88	9·85	9·55	4·85	19·15	12·97	Laigola.		
...	...	1·40	0·16	...	...	0·48	...	0·34	0·31	13	?	7·26	?	1·40	17·14	?	*Akhriganj.*		
...	0·30	...	...	...	0·30	1·30	...	1·00	...	10	?	12·05	?	3·00	20·00	?	*Patkabari.*		
...	...	...	...	0·41	...	...	0·11	0·20	1·26	18	19·26	9·30	34·31	3·02	13·89	39·49	Cox's Bazar ..	Chittagong	EAST BENGAL.
...	...	...	...	...	...	...	...	0·12	0·28	11	17·40	8·56	24·94	2·00	15·33	29·70	Chittagong.		
...	...	...	...	...	...	...	0·08	0·38	0·51	14	?	10·43	?	2·92	...	?	*Kutubdia.*		
0·10	...	0·45	...	...	0·05	...	...	0·02	0·43	14	?	8·56	?	2·60	14·76	?	*Satkanya.*		
...	0·04	...	...	...	...	1·37	...	...	0·09	18	20·03	12·43	18·91	1·70	21·15	23·07	Rangamati ...	Chittagong Hill Tracts	
...	...	...	...	...	...	...	...	0·15	0·30	15	?	13·24	?	1·02	25·79	?	*Bandarban* ...		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL—concld.	Backergunge	Patuakhally	..	0·05	1·00	2·65	0·07	...	...	...	0·55	0·72	...	1·10	...	...	...	...	...	...	...	...
		Perozepore	..	.	0·12	2·43	0·46	..	...	...	2·65	0·06	...	..	...	...	...	...	...	...	...	...
		Burrisal	...	..	0·05	1·80	...	...	...	...	1·82	0·29	0·42	0·03	...	...	...	...	...	0·05	0·03	...
		Bhola	...	0·51	0·45	0·25	..	...	...	0·67	1·80	0·50	0·22	0·12	...	...	...	...	...	0·23	..	...
		Gournaddi	..	..	0·34	0·95	0·09	0·75	..	0·80	2·12	...	.	...	...	...	..	...	...	0·36	0·87	...
		Bauphal	0·12	...	1·28	0·33	...	...	...	2·35	1·37	1·30	0·28	0·70	...	...	...	...	...	...	...	...
	Noakholly	Noakholly	0·16	.	...	0·16	0·17	1·61	0·95	0·43	1·47	2·87	1·85	...	...	0·22	...	0·44	1·71	...	...	...
		Feni	0·50	...		0·10	0·05	0·27	...	0·50	1·05	2·90	0·21	...	...	0·83	...	0·51	1·52	0·20	...	0·05
		Harishpore	1·30	...	0·95	0·15	0·20	1·60	...	4·80	0·50	0·60	0·10	...	...	..	..	1·45	...	1·40	0·35	...
		Ramganj	..	...	0·81	0·02	...	...	...	...	...	2·82	...	...	...	0·36	...	...	1·10	...	...	...
	Furreedpore	Madaripore	1·36	...	0·41	0·88	...	0·11	...	0·20	1·30	...	...	...	...	...	...	...	0·17	0·37	0·28	...
		Furreedpore	0·57		1·10	0·12		...	...	...	4·50	...	...	...	...	...	...	...	0·56	1·05	0·47	...
		Goalundo	0·51	2·03	0·22	1·70	0·08	...	0·62	...	2·25	...	...	0·10	...	*...	...	...	0·42	0·11	0·19	...
	Dacca	Munshigunge	0·15	0·83	.	1·40	0·06	...	...	.	3·16	0·59	...	0·06	...	1·26		0·83	1·15	...	..	...
		Dacca	3·77	0·31	0·08	1·78	0·10	...	...	0·27	3·85	0·05	...	...	...	1·30	0·05	1·18	0·56	0·22	0·11	...
		Narainganj	0·11	0·11	0·07	1·59	...	...	...	0·03	5·08	1·30	...	0·08	...	1·17	...	0·99	0·77	0·54	...	...
		Manickgunge	0·40	3·34	1·14	1·50	1·02	...	0·04	0·37	1·50	2·43	.	...	...	...	0·04	0·22	0·28	0·60	0·25	..
		Joydebpore	0·64	1·05	...	2·07	0·13	..	0·10	...	1·23	1·99	1·04	...	...	0·06	...	1·18	...	...	1·72	0·41
	Hill Tipperah	Agartola	...	...	4·00	1·50	...	1·00	...	...	2·00	5·00	1·30	0·30	1·60	2·00	...	1·40	0·80	0·60	...	0·50
	Tipperah	Comilla	0·50	...	1·04	0·65	0·03	...	0·04	...	1·73	2·47	0·05	...	...	2·70	0·13	0·50	..	..	...	...
		Chandpore		.	0·75	2·95		...		.	2·00	...	...	...	...	0·50	...	...	0·02	0·60	...	...
		Brahmanberia	0·33	1·04	0·30	0·80	0·76	...	...	0·65	0·60	1·54	1·55	...	1·75	1·24	0·05	1·25	1·03	0·03	...	0·84
		Ramchandrapore.	0·40	0·37	0·52	1·02	..	.	0·50	1·08	2·08	1·42	2·00	...	0·61	0·62	..	1·18	0·87	...	...	...
		Nasirnagar	..	..	0·10	0·70	...	...	...	0·60	0·20	...	0·60	0·80	...	0·90	0·70	0·60	...	...		...
		Dandkandi	1·12	1·13	1·15	.	...	...	0·25	.	2·15	1·30	..	...	0·50	...	...	..	2·10	...	...	...
		Kasba							0·04	0·01	1·72	1·04	1·86	...	1·50	0·54	...	0·03	...	...	...	0·30
		Laksham	1·90	...	...	2·31	0·20	...	...	...	...	...	3·10	...	...	0·85	...	...	2·10	...	...	...
	Mymensingh	Kishoregunge	0·03	.	5·25	0·89	0·59	0·10	...	5·59	2·93	0·98	...	0·51	2·13	...	0·33	...	0·84	1·18	...	2·93
		Atia (*Tangail*)	0·93	0·68	2·98	0·88	1·02	0·05	...	0·21	2·32	0·75	...	...	...	...	...	0·81	0·24	0·52	...	0·26
		Mymensingh	0·50	0·03	3·08	0·59	0·04	...	0·55	0·51	1·70	0·10	0·03	...	0·57	0·14	...	0·05	0·64	0·14	0·04	0·64
		Jamalpore	0·06	.	0·27	0·38	..	...	0·31	2·78	...	0·22	..	...	0·99	0·84	...	0·07	...	0·19	...	0·96
		Netrokona	1·13	3·21	2·90	1·25	0·08	0·15		5·05	0·22	0·86	1·01	...	1·30	1·60	...	...	...	1·85	...	0·45
		Subornakhally	1·28		1·80	...	1·35	.	0·62	0·77	1·45	0·22	.	...	..	...	...	0·47	0·09	0·00		0·14
		Durgapore	...	0·83	2·70	1·10	..	1·00	1·00	3·37	...	...	0·61	0·50	2·09	0·91	1·00	...	...	0·65	0·60	...
		Sherpore Town	.		.	0·85	0·66	...	0·33	0·58	...	...	...	0·19	2·18	...	...	...	0·52	0·21	...	0·21
		Dewanganj	2·31	0·21	0·24	...	...	...	...	4·59	...	...	0·25	1·31	0·52	...	...	0·64	0·23	...	...	0·17
NORTH BENGAL.	Pubna	Pubna	0·56	0·78	0·21	0·24	0··1	...	0·16	...	0·76	0·21	...	0·10	..	...	...	...	0·55	0·87	0·00	...
		Serajgunge	2·87	1·19	1·64	1·30	0·40	...	...	0·31	1·36	1·07	...	...	...	...	...	0·14	...	0·40	...	0·51
	Bogra	Sherpore	0·04	0·05	0·41	...	0·02	...	0·92	1·15	0·81	...	0·08	...	...	...	...	0·51	...	...	...	0·18
		Nowkhilla	1·04	0·15	1·76		0·40	..	1·85	0·19	1·30	...	...	...	..	..	...	0·59	0·06	0·30	...	...
		Bogra	...	0·38	2·70	0·03	0·10	0·80	0·21	1·23	0·05	0·04	...	...	...	0·03	...	0·07	...	0·73	...	0·03
		Panchbibi	...	0·16	...	...	...	...	1·64	...	...	...	...	...	...	0·16	...	...	...	0·50	...	...
	Rajshahye	Beauleah	0·14	0·06	0·35	0·02	..	0·56	0·73	...	1·86	...	0·02	...	...	...	...	...	...	0·76	0·05	...
		Nattore	0·67	0·09	.	0·56	0·04		0·34	...	1·70	...	0·08	...	...	...	...	...	1·05	0·03	0·19	...
		Naogaon	0·19	0·18	0·03	...	0·40	0·72	..	0·35	0·10	...	0·03	...	...	...	...	...	...	...	0·30	...
		Lalpore	0·55	0·50	...	0·16	...	0·16	0·16	1·04	...	...	0·67	...	...	...	...	0·50	0·95	...	...	...
		Manda	...		3·44	0·20	...	0·23	...	...	...	...	0·10	...	...	...	...	...	...	...	0·15	...
	Maldah	Maldah	0·01	0·44	0·03	0·84	0·01	...	0·45	...	0·54	...	0·72	...	...	...	...	...	...	...	...	...
		Chanchal	.	...	...	0·56	...	...	0·09	...	1·67	...	0·38	...	...	...	...	...	...	...	...	...
		Gajol	..	...	.	1·43	...	..	0·27	...	. .	...	...	...	...	...	...	...	...	...	..	...
		Sibganj	0·02	...	1·44	...	...	1·17	0·10	...	0·01	...	0·97	...	...	...	...	...	...	...	...	...
	Dinagepore	Mohadebpore	...	...	0·09	0·66	...	0·08	0·95	...	...	...	0·08	...	...	...	...	...	...	...	...	...
		Churamon	...	.	...	...	...	0·30	0·04	...	1·66	...	0·38	...	0·13	...	...	...	...	...	...	...
		Raigunge	...	0·42	...	0·36	...	...	2·18	...	2·52	0·60	...	...	0·52	...	...	...	...	...	...	...
		Dinagepore	...	...	0·05	...	...	...	0·22	0·68	...	...	..	...	0·30	...	...	...	...	...	...	...
		Balooghat	...	...	.	0·30	...	...	2·48	1·08	...	...	0·23	...	...	...	...	...	...	1·31	...	...
		Thakurgaon	...	...	0·09	0·19	...	...	...	...	3·11	...	...	...	0·85	...	0·09	...	...	...	...	...
	Rungpore	Bhawanigunge (*Gyabanda*).	...	0·16	...	...	...	...	0·63	0·13	...	...	...	...	0·85	0·70	...	...	0·13	...	...	0·15
		Rungpore	0·03	0·14	0·20	0·07	0·02	...	...	0·07	...	...	...	0·03	0·90	...	...	...	...	...	...	0·22
		Kurigram	...	0·19	0·07	0·24	2·50	...	..	...	...	0·71	..	0·06	0·42	...	1·00	...	...	...	...	0·39
		Bagdogra (*Nilphamari*).	...	1·41	...	0·13	0·17	...	0·27	...	0·08	1·75	1·55	...	1·03	...	...	...	0·03	.	...	...
		Ulipore	..	...	...	...	1·32	...	...	...	...	...	...	0·52	0·45	...	...	...	...	...	...	...
	Julpigoree	Julpigoree	...	...	...	...	0·07	..	0·07	...	0·57	...	0·07	0·40	1·05	0·05	0·53	...	...	...	0·22	0·18
		Alipore Doar	...	...	...	...	...	...	...	...	...	0·57	...	...	1·15	0·14	2·45	0·52	...	...	1·54	...
		Falacotta	...	...	..	...	...	...	2·21	...	0·98	...	...	0·66	...	2·55	...	...	...	...	1·22	...
		Debiganj	...	...	0·23	0·43	0·33	...	0·07	...	...	..	...	0·70	0·33	...	0·15	.	...	...	...	...
		Bhagatpore (Nagrakatta).	...	0·02	0·02	0·06	0·13	0·43	...	1·48	...	0·76	...	0·75	0·01	0·16	0·49	2·96	1·25	2·02	...	...
	Cooch Behar	Dinhatta	...	0·05	...	0·03	...	...	3·09	0·30	...	...	...	2·68	1·50	...	0·54	...	...	...	...	0·78
		Cooch Behar	..	0·06	...	0·05		...	...	0·53	...	0·12	0·93	0·32	1·50	...	0·45	...	...	1·06	2·40	2·12
		Mekligunge	...	...	...	0·05	0·75	...	0·49	...	0·05	0·41	...	...	0·75	...	0·62	...	...	...	1·25	1·45
		Matabhanga	...	...	...	0·08	0·22	...	0·03	...	0·11	...	0·45	...	0·96	...	0·48	...	...	0·10	0·23	1·66
	Darjeeling Hill	Buxa	0·10	...	...	0·10	...	.	1·20	0·92	0·32	0·06	0·14	0·01	0·38	1·50	4·52	5·86	0·65	0·76	...	0·01
		Siliguri		...		0·24	0·45	0·02	...	0·26	0·20	0·60	...	0·01	0·57	0·07	0·31	0·05	0·03	1·43	0·28	0·10
		Darjeeling	0·18	0·45	0·01	1·53	0·19	0·03	0·40	0·21	0·34	0·36	0·09	4·46	0·04	3·36	0·08	0·08	...	0·01	0·06	0·01
		Kalimpong	0·85	0·40	0·03	1·90	0·07	...	0·12	0·06	0·03	...	0·04	0·73	0·03	0·12	0·08	...	0·04	0·08	0·05	...
		Kurseong	1·53	1·08	...	0·30	0·20	0·03	0·25	0·08	1·25	0·20	0·40	2·50	0·38	1·80	...	...	...	...	...	...
NORTH BEHAR	Purneah	Kissengunge	...	...	...	0·11	...	0·10	...	...	1·07	...	...	...	0·70	...	...	...	...	...	...	...
		Arrareah	...	...	..	2·10	0·14	0·19	0·18	...	0·29	...	0·80	0·04	0·74	...	...	...	...	...	...	...
		Purneah	...	...	0·39	1·09	0·12	0·43	1·15	...	...	...	1·86	0·28	0·25	...	...	...	...	...	...	...
		Gondwara	...	...	0·40	...	0·22	0·07	0·56	...	...	0·81	...	0·35					...	...	...	...
		Balarampore	...	...	..	0·15	...	...	...	...	4·46	...	...	...	0·50	...	...	...	...	...	...	...
		Matiari	...	...	0·50	0·60	0·35	0·20	...	...	..	...	0·30	0·90	...	...	0·10	...	...	...	...	...
		Kaliaganj	...	0·10	...	...	0·01	0·05	...	...	3·29	0·33	...	0·26	0·47	...	0·80	...	...	...	...	...
	South Bhagulpore.	Maddapore	...	..	0·05	0·65	...	1·00	...	...	...	0·80	..	...	0·67	...	...	...	...	...	...	...
		Soopool	...	...	...	1·22	...	1·60	0·06	...	...	0·25	1·75	...	0·10	...	...	...	...	...	...	...
		Protabganj	...	...	...	0·75	0·72	0·75	...	...	...	...	1·95	...	1·05	...	...	...	...	...	...	...

in Bengal in June 1891—*continued.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 30th June 1891.	Average rainfall from 16th May to 30th June.	District.	Station.	Meteorological division.
...	...	...	...	...	...	...	4'40	0'80	0'97	8	18'17	12'31	22'36	4'40	18'72	26'73	Patuakhally ...	Backergunge.	EAST BENGAL —*contd.*
...	...	...	...	...	...	...	3'43	0'14	0'93	7	16'58	10'23	16'43	3'43	19'33	19'65	Perozepore.		
...	...	...	...	...	...	...	1'55	0'18	0'15	7	17'15	6'87	16'50	1'89	12'08	20'38	Burrisal.		
...	...	...	...	...	...	...	2'05	0'10	...	11	18'97	6'90	21'40	2'05	17'25	24'95	Bhola.		
...	...	...	...	...	...	...	1'55	0'20	0'16	10	?	8'19	?	2'12	13'51	?	*Gournaddi.*		
...	...	...	...	...	...	...	0'25	0'39	...	10	?	8'87	?	2'35	15'31	?	*Bauphal.*		
...	...	...	...	...	0'09	0'26	1'87	1'01	0'10	16	18'15	15'37	26'07	2'87	26'78	30'61	Noakholly ...	Noakholly.	
...	...	...	...	0'85	0'10	0'07	...	0'46	0'33	15	17'15	10'62	28'56	2'90	20'00	33'08	Fenny.		
...	...	...	...	0'15	...	...	1'60	4'65	0'10	16	?	19'90	?	4'80	20'90	?	*Harishpore.*		
...	...	...	...	...	...	1'61	2'47	0'19	0'79	9	?	10'77	?	2'82	20'69	?	*Ramganj.*		
...	...	...	...	...	...	...	...	0'36	...	10	16'15	5'44	13'30	1'36	10'40	17'13	Madaripore .	Furreedpore	
...	...	...	...	...	...	0'33	...	...	0'10	9	14'40	9'00	12'49	4'50	15'86	17'28	Furreedpore.		
...	...	0'12	...	...	...	...	...	...	0'09	12	14'21	9'40	11'86	2'25	15'18	15'50	Goalundo.		
...	...	...	...	...	...	...	0'20	0'07	0'30	10	16'33	10'09	15'84	3'16	19'30	19'97	Munshigunge	Dacca.	
...	...	...	...	...	...	...	0'67	...	0'28	14	15'50	15'18	13'37	3'85	26'01	17'33	Dacca.		
...	...	...	...	...	...	0'04	0'14	0'05	0'31	11	15'25	12'44	13'96	5'08	25'04	17'54	Naraingunge.		
...	...	...	...	...	...	...	0'04	0'02	0'38	14	13'00	14'77	9'84	3'34	21'75	13'71	Manickgunge		
...	0'12	...	...	...	...	0'12	...	0'68	...	14	?	12'03	?	2'07	22'30	?	*Joydebpore.*		
...	...	...	...	...	...	...	...	0'30	...	14	15'53	22'30	14'44	5'00	32'30	18'54	Agartola ...	Hill Tipperah.	
...	...	...	...	...	1'24	0'51	...	0'23	...	11	17'35	11'02	19'13	2'70	28'60	23'47	Comilla ...	Tipperah.	
...	...	...	...	...	...	...	1'45	...	0'33	8	18'00	9'20	16'77	2'95	18'01	20'77	Chandpore.		
...	...	...	...	...	...	...	...	0'30	0'10	14	15'68	14'16	15'46	1'75	24'28	19'95	Brahmunberia.		
...	...	...	...	...	...	...	...	...	...	13	?	12'74	?	2'08	23'12	?	*Ramchandra-pore.*		
...	...	...	...	...	...	...	...	...	...	9	?	5'60	?	0'90	10'93	?	*Nasirnagar.*		
...	...	...	...	...	...	...	...	...	...	8	?	9'70	?	2'15	25'76	?	*Daudkandi.*		
...	...	...	...	...	...	...					?		?			?	*Kasba.*		
...	...	...	...	...	...	2'45	0'25	...	...	8	?	13'15	?	3'10		?	*Laksham.*		
...	...	...	...	...	..	0'90	...	0'76	0'45	17	16'84	26'96	19'07	5'59	41'56	23'64	Kishoregunge.	Mymensingh.	
...	...	...	...	...	...	...	...	...	1'19	13	12'74	13'24	18'16	2'98	23'29	16'39	Atia (*Tangail*).		
...	...	...	0'12	0'76	0'99	0'06	0'65	0'38	0'52	10	18'25	14'11	19'00	3'08	25'35	24'83	Mymensingh.		
...	...	...	3'18	...	0'31	0'30	...	0'09	0'54	13	14'35	11'49	14'99	3'18	20'98	19'02	Jamalpore.		
...	...	...	0'51	1'25	0'15	1'13	0'41	1'42	0'47	20	19'25	32'39	21'78	6'15	43'38	26'93	Netrokona.		
0'13	...	...	...	...	...	...	...	0'15	0'11	12	?	8'67	?	1'80	14'01	?	*Subornakhally.*		
...	..	...	1'10	0'90	1'15	1'22	0'25	0'40	0'40	20	?	21'84	?	3'37	32'76	?	*Durgapore.*		
...	1'15	...	0'90	...	1'28	0'55	0'04	...	0'88	14	?	10'53	?	2'18	20'64	?	*Sherepore Town*		
1'41	0'23	1'99	...	0'98	0'25	3'65	...	0'00	0'59	17	?	20'47	?	4'59		?	*Dewanganj.*		
...	...	0'08	...	...	...	...	...	0'10	0'27	13	14'10	5'09	10'90	0'87	12'71	14'43	Pubna ...	Pubna ...	NORTH BENGAL.
...	...	...	0'85	...	...	...	...	0'75	0'74	14	12'55	13'43	11'40	2'87	19'34	15'27	Serajgunge.		
0'09	...	...	1'15	0'10	...	0'03	0'11	...	0'41	10	12'93	6'15	12'42	1'15	13'05	17'34	Sherpore ...	Bogra.	
...	...	...	1'00	0'16	0'13	0'03	0'28	0'31	0'84	15	13'86	11'38	12'89	1'85	21'39	10'00	Nowkhilla.		
0'23	...	...	0'17	0'54	0'08	0'03	0'30	0'25	0'18	14	14'53	6'82	14'27	2'70	16'41	19'01	Bogra.		
...	1'10	...	...	2'34	0'30	...	...	0'09	0'63	9	11'03	7'52	11'48	2'34	15'02	16'07	Panchbibi.		
...	...	0'59	...	...	...	0'50	...	...	...	9	12'10	6'33	9'66	1'86	14'47	12'73	Beauleah ...	Rajshahye.	
...	...	0'05	1'70	...	...	1'27	0'25	0'05	0'20	10	11'50	8'27	10'25	1'70	19'92	13'79	Nattore.		
...	...	...	...	...	...	0'30	...	1'39	0'76	10	13'86	4'81	13'69	1'30	10'23	17'53	*Naogaon.*		
...	0'90	...	...	...	...	...	0'92	...	...	11	?	6'51	?	1'04	13'32	?	*Lalpore.*		
...	...	...	...	...	...	0'90	1'00	0'20	0'80	9	?	7'02	?	3'44	11'56	?	*Manda.*		
...	...	...	...	...	...	...	...	0'82	2'47	7	11'80	6'33	11'14	2'47	13'20	13'63	Maldah ...	Maldah.	
...	...	...	...	0'02	..	0'92	...	1'75	0'58	6	11'46	5'97	12'58	1'75	8'91	15'62	Chanchal.		
...	0'41	...	...	0'10	...	0'22	...	2'31	2'05	7	?	6'09	?	2'31	11'03	?	*Gajol.*		
...	...	...	...	0'36	...	0'60	...	1'45	0'40	8	?	6'52	?	1'45	15'70	?	*Sibganj.*		
...	...	...	...	...	...	...	...	1'50	...	3	13'67	3'36	12'80	1'50	6'28	10'50	Mohadebpore...	Dinagepore.	
...	...	...	...	...	...	0'06	...	0'72	0'95	6	11'50	4'31	11'87	1'66	11'43	14'97	Churamon.		
...	...	...	...	0'65	...	...	...	2'20	2'00	9	12'43	11'45	14'38	2'52	18'89	18'08	Raigunge.		
...	0'35	...	0'50	...	0'12	...	...	1'15	0'59	8	14'00	3'96	16'50	1'15	12'88	21'33	Dinagepore.		
...	0'52	...	...	1'23	0'32	...	0'07	0'15	0'64	10	13'38	8'32	12'53	2'48	13'01	17'75	Baloorghat.		
...	...	...	...	0'79	4'59	0'07	0'24	0'74	1'24	8	?	12'00	?	4'59	21'18	?	*Thakurgaon.*		
...	1'22	...	2'05	...	...	...	0'35	...	0'71	11	13'63	7'08	15'99	2'05	10'51	21'16	Bhawanigunge (*Gyabanda*).	Rungpore.	
...	...	0'02	3'55	...	2'72	0'02	1'69	0'88	0'22	9	15'35	11'23	10'51	3'72	24'30	26'20	Rungpore.		
...	...	0'19	2'81	...	0'39	0'21	...	0'45	1'07	13	16'50	10'74	23'49	2'81	21'06	31'23	Kurigram.		
...	...	...	0'14	...	0'59	0'09	...	...	0'63	10	17'06	7'67	26'19	1'75	16'41	34'87	Baxdogra. (*Nilphamari.*)		
...	...	...	1'96	...	0'14	...	...	...	0'75	6	?	5'14	?	1'96	22'32	?	*Ulipore.*		
0'35	0'08	0'03	0'31	...	0'05	3'42	1'15	0'55	0'22	12	19'40	9'67	28'42	3'42	18'65	35'86	Julpigoree ...	Julpigoree.	
1'52	1'82	0'20	0'74	1'33	0'17	...	0'75	...	...	13	?	12'90	?	2'45	23'53	?	*Alipore Doar.*		
1'21	...	...	0'25	0'56	0'23	...	0'16	1'11	...	11	?	11'16	?	2'55	17'03	?	*Falacotta.*		
...	...	...	0'74	...	0'03	0'08	...	0'28	1'39	9	?	4'75	?	1'39	12'18	?	*Debiganj.*		
0'15	...	0'67	...	0'56	0'33	0'11	1'40	0'43	0'04	18	?	14'91	?	2'98	25'51	?	*Bhogotpore (Nagrakatta.)*		
1'80	...	0'72	0'54	0'14	2'84	0'84	...	...	1'85	13	20'00	16'99	20'08	3'09	26'01	39'43	Dinhatta		
5'35	1'15	0'81	...	0'42	0'91	1'50	...	0'36	0'17	17	20'50	20'23	36'84	5'35	28'32	44'84	Cooch Behar...	Cooch Behar.	
1'11	0'35	3'29	0'04	0'19	...	2'00	...	3'06	0'17	14	19'33	16'12	28'25	3'29	25'07	36'51	Mickligunge.		
3'93	5'11	2'85	0'08	0'68	0'58	0'25	0'04	0'53	0'30	16	20'42	19'05	31'67	5'11	29'23	40'21	Matabhanga.		
1'10	0'01	0'51	0'56	0'61	0'35	0'15	5'05	0'06	0'06	19	23'35	25'98	45'22	6'86	39'19	58'36	Buxa ...	Darjeeling.	
...	...	...	...	1'84	0'21	0'28	0'83	0'56	1'17	18	20'13	10'98	27'77	1'84	18'54	33'90	Siliguri.		
0'08	0'79	0'13	0'08	0'14	0'22	0'04	0'38	0'37	0'35	17	20'55	14'47	24'00	4'46	27'63	28'34	Darjeeling.		
0'05	0'04	...	0'05	0'09	0'10	0'27	0'83	0'23	1'24	11	18'75	6'63	19'43	1'24	15'40	23'07	Kalimpong.		
...	...	...	0'60	0'80	2'05	0'33	2'06	1'54	0'30	18	?	17'63	?	2'50	31'55	?	Kurseong.		
...	0'45	...	0'05	0'33	0'64	0'05	...	0'61	0'22	9	13'32	4'33	15'38	1'07	14'23	19'29	Kissengunge ...	Purneah ...	NORTH BEHAR.
...	...	...	0'89	0'87	0'06	...	...	0'30	0'87	11	9'89	7'17	13'71	2'10	17'23	16'12	Arrareah.		
...	...	...	...	0'04	0'01	...	...	0'12	0'18	10	10'85	5'94	11'46	1'86	14'07	14'39	Purneah.		
...	...	...	...	...	...	...	1'61	...	0'20	7	?	4'28	?	1'61		?	*Gondwara.*		
...	...	...	...	...	...	...	...	0'20	...	4	?	5'31	?	4'46	11'36	?	*Balarampore*		
...	...	...	...	...	...	...	0'50	...	...	8	?	3'45	?	0'90	8'40	?	*Matiari.*		
0'06	0'46	...	...	...	0'19	0'50	0'11	1'77	0'83	13	?	9'83	?	3'29	16'62	?	*Kaliaganj.*		
...	...	...	0'21	...	...	...	...	..	0'32	6	9'20	4'60	8'66	1'90	11'03	10'95	Maddapore ...	North Bhagulpore.	
...	...	...	0'16	...	...	...	...	0'25	...	7	9'50	5'39	9'23	1'75	10'91	11'50	Soopool.		
...	...	...	...	...	...	...	...	1'05	...	6	?	6'67	?	1'95	15'48	?	*Protabganj.*		

Table of Rainfall recorded at Stations in

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH BEHAR —concld.	Durbhunga ...	Tajpore ...	...	...	...	3·81	0·20	7·10	0·12	...	...	...	0·12	...	...	...	...	...	...	...	...	...
		Durbhunga ...	...	...	0·02	0·53	0·13	2·30	0·38	...	...	2·35	0·05	...	...	...	...	...	...	...	...	...
		Madhubani ...	.	...	...	0·63	0·10	1·00	..	0·09	...	1·74	0·83	...	0·72	...	...	...	...	...	...	...
		Bahera ...	...	...	...	0·30	0·20	3·20	0·35	0·60	0·17	...	0·60	...	...	...	...	...	...	...	...	...
		Roshera ...	...	...	...	0·45	0·73	1·74	...	0·44	...	...	...	...	...	...	...	...	...	...	...	...
	Mozufferpore	Sitamarhi ..	..	...	...	2·70	...	2·20	0·20	0·90	0·13	1·20	0·28	0·10	0·41	...	...	...	...	...	...	...
		Mozufferpore	...	..	...	1·12	0·10	4·77	...	...	...	...	...	.	...	...	...	...	...	...	...	...
		Hajipore ...	...	...	..	0·62	0·27	5·33	...	...	...	0·65	0·64	...	...	...	...	...	...	...	...	...
		Paru ...	...	...	...	0·87	1·20	3·45								...	...	...	...	...	...	...
		Mahua ..	...	...	...	0·70	0·15	3·30	...	0·86	..	0·37	0·50	...	...	...	...	...	...	...	...	...
		Sonhar ..	...	...	...	0·35	...	1·40	...	1·95	...	0·10	0·50	...	.	...	...	...	...	...	...	...
		Pupri ...	...	...	...	1·00	...	1·60	...	0·20	...	...	0·50	...	0·80	...	...	...	...	...	...	...
	Chumparun ...	Motihari ...	...	...	...	2·12	..	2·47	...	0·32	1·06	0·79	...	...	...	...	...	...	...	...	...	...
		Bettiah ..	..	...	...	1·61	0·14	1·67	0·35	0·66	...	0·37	0·40	...	...	...	...	...	...	...	...	...
		Bagaha ...	...	...	...	6·21	0·12	1·90	4·25	0·25	...	1·60	0·45	...	...	...	...	...	...	...	...	...
		Burharwa ..	..	...	...	1·37	1·11	2·04	1·50	1·64	...	0·88	0·02	...	...	...	...	...	...	...	...	...
	Sarun ...	Gopalgunge ..	...	..	...	0·87	1·52	2·90	4·11	0·70	...	0·63	...	...	...	...	...	...	...	...	...	...
		Sewan ...	..	...	0·91	0·74	3·25	5·24	0·19	...	0·95	...	...	...	...	...	...	...	...	...	...	...
		Chupra ...		...	...	0·76	1·52	1·22	0·58	...	...	...	0·14	...	...	...	...	...	...	...	...	...
SOUTH BEHAR	Shahabad ...	Buxar ...	...	...	...	0·06	1·73	0·13	...	0·12	..	.	0·19	...	...	...	...	...	...	...	...	...
		Dehree ...	...	...	...	0·08	0·98	0·08	...	0·01	0·33	0·31	...	0·21	...	...	...	...	...	...	...	...
		Bhuboosh ...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sasseram ...	..	...	...	...	0·55	.	...	.	..	..	0·05	...	...	...	...	...	...	...	...	...
		Arrah ...	...	...	...	0·34	3·95	1·03	0·92	0·06	...	0·24	..	...	...	...	...	...	...	...	...	...
		Mohaniah ...	...	...	...	...	...	...	...	..	...	.	...	...	...	...	...	...	...	...	...	...
	Gya ...	Aurungabad ..	...	...	...	...	0·13	...	...	...	...	0·20	...	0·25	...	...	...	...	...	...	...	...
		Gya ...	...	...	...	1·17	2·42	...	...	1·21	...	0·02	...	...	...	...	...	...	...	...	...	...
		Nowadah ...	...	...	...	0·90	2·76	0·80	0·23	0·04	...	0·68	...	...	...	...	...	...	...	...	...	...
		Jehanabad ...	...	...	0·40	2·22	3·00	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arwal ...	...	...	...	0·78	1·50	0·22	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudnagar ...	...	1·50	...	...	..	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheerghati ..	...	...	...	1·10	0·49	0·61	...	0·54	1·71	...	...	...	...	...	...	...	...	...	...	...
		Rajauli ...	...	...	...	0·45	1·00	0·20	...	3·40	..	...	0·45	...	...	...	...	...	...	...	...	...
		Pakri Barawan.	..	...	...	...	...	3·00	...	...	...	1·00	...	0·30	..	...	...	...	...	...	...	...
	Patna ...	Patna ...	...			0·90	1·02	5·15	0·13	...	...	0·86	0·22	...	...	...	...	...	...	...	...	...
		Dinapore ...	.	...	.	1·10	1·80	3·88	2·07	...	...	0·22	0·26	...	..	...	...	...	...	...	...	...
		Behar ...	...	..	...	1·12	0·95	0·07	...	0·50	...	0·10	...	...	...	...	...	...	...	...	...	...
		Barh ...	...	...	...	0·90	0·40	1·40	...	..	...	0·10	0·60	...	...	...	...	...	...	...	...	...
		Bickram ...	...	..	...	0·56	4·32	1·21	1·15	0·11	...	0·71	0·04	...	...	...	...	...	...	...	...	...
		Hilsa ...	...	..	...	2·09	4·12	5·07	1·05	0·63	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr ..	Begooserai ...	.	...	...	1·50	0·47	2·35	0·17	...	...	...	1·27	0·03	...	...	...	...	...	...	...	...
		Monghyr ...	...	...	...	1·03	0·18	1·23	0·04	.	...	...	0·76	...	.	...	...	...	...	...	...	...
		Jamui ...	...	.	..	0·37	0·30	1·68	...	0·23	1·22	...	...	...	..	...	...	...	...	...	...	...
		Gogri ..	..		0·15	2·33	...	3·32	0·42	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheikpura ...	...	...	...	1·09	1·25	1·35	...	..	...	...	...	...	..	...	...	...	...	...	...	...
	South Bhagulpore	Bhagulpore ...	...	...	...	0·59	0·05	1·11	1·19	0·03	...	...	0·41	0·03	...	...	...	...	...	...	...	...
		Banka ...	...		...	1·66	0·15	3·04	0·10	0·66	...	0·05	0·70	0·08	..	...	...	...	...	...	...	...
		Kolgong ...	...	...	...	0·75	0·12	0·11	0·05	0·33	...	...	1·05	...	...	...	...	...	...	...	...	...
		Bongaon ...	.	..	.	1·00	1·00	0·32	...	...	..	1·00	...	...	...	...	...	...	...	...	...	...
	Sonthal Pergunnahs.	Rajmehal ...	0·01	0·13	0·06	0·49	...	...	0·52	...	1·06	...	0·26	...	...	...	...	...	...	...	...	...
		Godda ...	..	...	..	0·30	0·30	0·05	1·45	0·05	...	0·20	0·35	..	..	...	...	...	...	...	...	...
		Pakour .		.	0·96	...	0·45	0·79	0·37	0·11	...	...	...	...	...	...	...	...	...	...	0·30	...
		Nya Doomka	...	0·03	0·09	0·19	0·87	0·05	0·80	0·08	...	...	0·03	...	...	...	...	...	...	...	...	...
		Deoghur ...	...	0·09	...	0·13	0·91	0·06	...	0·85	0·50	...	0·02		...	...	...	...	...	...	...	...
		Jamtara ...	...	0·01	...	0·72	1·15	...	2·39	0·05	...	...	0·18	..	...	...	...	...	...	...	...	...
		Mohagama ...	...	...	...	0·10	..									...	...	...	...	...	...	...
		Nanihat ...	...	...	...	...	1·05	...								...	...	...	...	...	...	...
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (Giridi).	...	1·38	...	0·28	1·16	0·29	...	1·02	...	0·30	...	...	...	...	...	...	...	...	...	...
		Hazaribagh ...		...	..	1·07	0·64	...	...	...	0·37	0·06	...	...	...	...	...	...	...	...	...	...
		Sointagurah ..	...	..	0·16	1·34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahudi Hills	...	0·50	...	1·02	0·63	1·31	...	...	0·36	...	...	...	...	...	...	...	...	...	...	...
		Jhoomrah Hills	0·50	...	0·20	0·90	0·30	...	0·20	...	0·30	...	...	...	...	...	...	...	...	...	...	...
		Barhi ...	...	...	...	0·15	1·62	...	1·58	...	...	...	0·51	...	...	...	...	...	...	...	...	...
		Chatra ..	...	...	...	1·88		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Karagdeha ...	...	0·33	...	0·22	0·33	0·35	..	0·66	.	0·12	...	...	.	...	...	...	...	...	...	...
		Ramghar ...	0·65	...	0·20	...	...	0·25	0·50	...	0·75	...	...	...	...	...	...	...	...	...	...	...
	Lohardugga ...	Lohardugga ...	...	..	0·30	0·14	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
		Ranchi ...	...	..	0·25	0·57	...	..	..	...	0·15	0·34	...	0·25	0·20	...	...	...	...	...	...	...
		Palamow ...	...	...	..	...	...	..	...	...	...	...	...	0·09	...	...	...	...	...	...	...	...
		Silli ...	...	1·30	0·40	...	..	...	...	0·35	...	...	1·05	...	...	...	...	...	...	...	...	...
		Balumat ...	...	..	..	0·11	0·50	...	...	...	0·50	...	...	0·11	...	...	...	...	...	...	...	...
		Hoseinabad ...	.	...	...	...	...	...	...	0·60	0·50	...	...	...	...	...	...	...	...	...	...	...
		Garwah ...	...	...	...	...	0·05	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
	Singbhoom ..	Chyebassa ...	0·28	0·57	...	0·05	...	...	...	...	...	0·05	...	...	0·21	...	...	...	...	...	...	...
		Chakradharpore.	0·30	0·80	1·05	...	...	..	...	...	0·80	...	...	...	...	...	...	...	...	...	...	...
		Ghatsila ...	...	0·30	...	1·20	...	...	...	...	0·30	0·50	...	...	0·20	...	...	...	...	...	...	...
		Baharagura ...	0·11	2·00	...	...	...	...	..	...	0·55	0·85	...	...	0·25	...	...	...	...	...	0·31	...
	Manbhoom ...	Purulia ...	0·05	0·47	...	0·62	1·16	2·85	0·05	0·20	...	...	...	0·05	...	...	...	...	...	...	...	...
		Gobindpore ...	0·02	0·10	...	0·66	1·17	0·12	...	0·10	...	...	0·23	...	...	...	...	...	...	...	...	...
		Raghunathpore.	...	0·40	...	0·75	0·44	0·87	...	0·97	0·30	...	0·21	...	...	...	...	...	...	...	...	
		Barrabhoom ...	...	0·90	...	0·08	1·00	0·20	...	0·75	...	0·40	0·70	...	0·06	...	...	...	...	...	...	...
		Jhalda ...	...	0·63	...	0·11	0·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chas ...	...	0·24	...	0·08	0·70	1·10	0·12	0·42	0·59	...	0·24	...	...	...	...	...	...	...	...	...

Bengal for the month of June 1891—*concluded.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 30th June 1891.	Average rainfall from 16th May to 30th June.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	...	0·05	...	5	8·16	11·40	7·58	7·10	15·02	8·69	Tajpore ...	Durbhunga ...	NORTH BEHAR—*concld.*
...	...	...	0·04	0·02	...	...	...	...	0·03	5	8·32	5·55	7·92	2·30	8·17	9·12	Durbhunga.		
...	...	...	...	...	...	...	...	0·22	0·06	7	9·16	6·29	8·50	1·90	16·32	10·13	Madhubani.		
...	...	...	...	...	...	...	...	...	0·32	8	?	5·74	?	5·20	10·13	?	*Bahera.*		
...	...	...	...	...	...	...	...	0·20	0·05	5	?	3·61	?	1·74	4·76	?	*Roshera.*		
...	...	...	4·90	2·29	0·22	...	...	0·70	0·11	14	8·68	10·40	8·03	4·90	21·77	9·38	Sitamarhi ...	Mozufferpore	
...	...	...	...	...	...	...	...	0·78	0·06	4	8·15	6·83	7·53	4·77	8·67	8·01	Mozufferpore		
...	...	...	...	...	...	...	1·35	...	1·90	7	7·11	10·76	6·69	5·33	12·33	7·87	Hajipore.		
...	...	...	...	...	...	...	0·57	...	0·20		?		?			?	*Paru.*		
...	...	...	...	...	...	...	0·05	...	...	6	?	5·93	?	3·30	7·05	?	*Mahua.*		
...	...	...	...	0·35	...	...	0·70	...	...	7	?	5·85	?	1·95	7·80	?	*Siuhar.*		
...	...	...	...	...	...	...	0·99	...	...	6	?	5·09	?	1·60	8·88	?	*Pupri.*		
...	...	...	...	...	...	0·96	0·62	0·26	0·18	9	8·04	8·78	7·89	2·47	14·40	9·28	Motihari ...	Chumparun.	
...	...	...	...	...	...	...	0·68	1·32	...	9	8·47	7·20	8·49	1·67	11·37	9·66	Bettiah.		
...	...	...	...	...	...	...	0·04	5·13	0·48	9	?	20·43	?	6·21	24·36	?	*Bagaha.*		
...	...	...	...	...	...	...	...	2·05	0·06	7	?	10·73	?	2·05	13·30	?	*Burharwa.*		
...	...	...	...	...	...	...	...	0·90	...	7	7·83	11·65	6·48	4·11	13·83	7·67	Gopalgunge...	Sarun.	
...	...	...	...	...	...	1·16	0·74	...	0·20	9	7·80	13·38	6·81	5·24	14·80	7·91	Sewan.		
...	...	...	...	...	...	...	...	0·41	...	6	6·93	4·63	6·02	1·52	5·79	6·96	Chuprah.		
...	...	...	...	...	...	...	...	...	...	4	7·55	2·23	4·96	1·73	2·51	5·61	Buxar ...	Shahabad ...	SOUTH BEHAR.
...	...	...	...	...	...	...	...	0·90	1·61	6	6·71	4·47	4·65	1·61	4·86	5·82	Dohree.		
...	...	...	...	...	...	...	...	0·15	0·99	2	6·15	1·14	5·26	0·99	1·49	5·85	Bhuboosh.		
...	...	...	...	...	...	...	...	0·80	1·11	3	6·70	2·51	5·17	1·11	4·77	6·82	Sasseram.		
...	...	...	...	...	...	...	0·50	...	0·22	7	7·35	7·26	5·95	3·93	8·61	7·09	Arrah.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Mohaniah.*		
...	...	...	...	...	...	0·03	...	0·71	2·58	5	6·68	3·88	5·82	2·56	5·21	7·10	Aurungabad ..	Gya	
...	...	...	...	...	...	1·02	...	0·09	0·42	5	7·65	6·35	6·10	2·42	6·64	7·50	Gya.		
...	...	...	...	...	...	0·13	...	0·07	0·05	7	6·75	6·56	5·45	2·76	9·75	6·85	Nowadah.		
...	...	...	...	...	...	...	...	...	...	3	6·29	5·62	5·06	3·00	5·68	6·32	Jehanabad.		
...	...	...	...	...	...	...	...	...	0·60	4	?	3·10	?	1·50	3·08	?	*Arwal.*		
...	...	...	...	...	...	...	...	...	...	2	?	1·65	?	1·50	2·70	?	*Daudnagar.*		
...	...	...	...	...	...	...	...	0·41	0·11	7	?	4·97	?	1·71	5·24	?	*Sheerghatti.*		
...	...	...	...	...	...	...	...	...	1·20	6	?	6·70	?	3·40	11·60	?	*Rajauli.*		
...	...	...	...	...	...	...	...	...	...	3	?	4·39	?	3·00	6·10	?	*Pakri Barawan.*		
...	...	...	...	...	...	...	...	1·43	0·50	8	7·40	10·51	6·88	5·15	12·54	8·39	Patna ...	Patna.	
...	...	...	...	...	...	...	...	3·07	...	7	7·45	12·70	6·52	3·88	16·29	7·69	Dinapore.		
...	...	...	...	...	...	...	...	1·82	...	5	7·13	4·76	6·48	1·82	8·41	7·86	Behar.		
...	...	...	...	...	...	...	...	0·20	5·42	7	6·55	10·02	5·08	5·42	13·78	6·43	Barrh.		
...	...	...	...	...	...	...	...	0·52	...	7		8·02	?	4·32	10·37	?	*Bickram.*		
...	...	...	...	...	...	...	...	...	...	5		12·96	?	5·07	15·51	?	*Hilsa.*		
...	...	...	...	...	0·56	...	...	0·06	...	6	7·70	6·41	6·24	2·35	8·42	7·06	Begooserai ...	Monghyr.	
...	...	...	...	...	0·60	...	...	...	0·15	6	8·15	4·65	6·55	1·63	11·75	8·19	Monghyr.		
...	...	...	...	...	...	1·30	...	0·30	2·00	8	8·30	7·10	3·19	2·00	9·27	7·83	Jamui.		
...	...	...	...	...	...	...	...	...	...	4	?	6·52	?	3·32	17·54	?	*Gogri.*		
...	...	...	...	...	...	...	...	2·15	...	4	?	6·72	?	2·15	11·45	?	*Sheikpura.*		
...	...	...	...	...	...	...	...	0·60	0·02	5	9·30	4·03	7·71	1·19	11·04	9·80	Bhagulpore ...	South Bhagulpore.	
...	...	...	...	...	...	...	...	...	1·29	7	9·95	7·04	7·78	3·04	12·19	9·51	Banka.		
...	...	...	...	...	...	...	...	...	1·30	6		4·03	?	1·59	10·19	?	*Kolgong.*		
...	...	...	...	...	...	...	...	...	...	4		3·32	?	1·00	9·10	?	*Bongaon.*		
...	...	...	...	...	...	0·25	...	1·85	0·36	9	10·27	6·09	10·46	1·85	13·11	13·20	Rajmehal ...	Sonthal Pergunnahs.	
...	...	...	...	...	...	0·50	...	...	0·07	6	10·06	3·47	6·81	1·45	8·43	9·12	Godda.		
...	...	...	...	...	0·16	...	...	0·24	0·18	9	12·85	3·67	10·50	0·96	13·84	13·52	Pakour.		
...	...	...	...	...	0·54	0·03	0·02	...	1·16	5	11·89	3·89	8·86	1·10	11·19	11·09	Nya Doomka.		
...	...	...	...	...	0·37	0·06	...	0·04	0·34	6	10·25	3·37	8·46	0·91	7·31	10·19	Deoghur.		
...	...	...	...	...	...	0·46	0·21	0·39	0·11	9	12·43	6·57	8·60	2·30	14·79	10·54	Jamtara		
...	...	...	...	...	...	...	...	...	...		?		?			?	*Mohagama.*		
...	...	...	...	...	...	...	...	...	0·65		?		?			?	*Nanihat*		
...	...	...	...	...	...	...	...	0·48	0·03	7	11·16	5·03	8·20	1·38	10·98	9·70	Pachamba ... (*Giridi*).	Hazaribagh ...	CHUTIA NAGPUR
...	...	...	...	...	...	...	0·74	0·73	0·27	6	10·45	3·88	7·12	1·07	8·29	8·62	Hazaribagh.		
...	...	...	...	...	...	0·50	0·35	...	...	4	10·33	2·35	7·61	1·34	6·05	9·09	Semtagurah.		
...	...	...	...	...	...	...	...	0·81	0·34	7	9·43	4·97	7·57	1·31		9·03	Mahudi Hills.		
...	...	...	...	...	...	0·80	...	0·20	0·10	9	10·70	3·50	10·34	0·99		11·98	Jhoomrah Hills		
...	...	...	...	...	...	...	...	...	0·45	5	?	4·09	?	1·62	8·50	?	*Barhi.*		
...	...	...	...	...	...	...	...	0·27	0·22	3	?	2·37	?	1·88	2·84	?	*Chatra.*		
...	...	...	...	...	...	...	1·27	1·92	0·60	9	?	6·00	?	1·92	11·20	?	*Karagdoha.*		
...	...	...	...	...	...	...	0·45	...	...	6	?	2·80	?	0·75	4·55	?	*Ramghar*		
...	...	...	...	...	...	...	...	1·80	...	3	10·86	2·24	7·83	1·80	5·66	9·62	Lohardugga ...	Lohardugga.	
...	...	...	...	...	...	...	...	0·38	0·78	8	12·40	2·02	8·65	0·78	6·68	10·60	Ranchi.		
...	...	...	...	...	...	...	...	0·13	0·75	2	7·95	0·97	6·04	0·75	1·82	7·00	Palamow.		
...	...	...	...	...	...	...	...	...	...		?		?			?	*Silli.*		
...	...	...	...	...	...	...	...	0·49	0·09	5	?	1·73	?	0·50	3·34	?	*Balumat.*		
...	...	...	...	...	...	...	...	2·30	...	3	?	3·40	?	2·30	4·00	?	*Hoseinabad.*		
...	...	...	...	...	...	...	...	...	0·17	1	?	0·22	?	0·17	0·54	?	*Garwah.*		
...	...	...	...	...	...	...	...	2·53	0·07	4	11·55	3·74	8·30	2·53	7·22	10·72	Chyebassa ...	Singbhoom.	
...	...	...	...	...	...	...	...	2·21	...	4	?	5·16	?	2·21	8·34	?	*Chakradharpore.*		
...	...	...	...	...	...	...	2·25	1·09	1·80	8	?	7·55	?	2·25	12·82	?	*Ghatsila.*		
...	...	...	...	...	...	1·30	2·01	...	...	6	?	7·38	?	2·01	12·21	?	*Baharagura.*		
...	...	...	...	...	...	0·61	...	...	1·00	7	12·05	7·00	8·68	2·85	12·50	10·59	Purulia ...	Manbhoom.	
...	...	...	...	...	...	0·39	0·08	0·12	...	8	10·50	2·99	7·48	1·17	6·31	8·63	Gobindpore.		
...	...	...	...	...	...	...	0·23	0·17	0·43	10	?	4·77	?	0·97		?	*Raghunathpore.*		
...	...	...	...	...	...	1·20	0·08	0·25	0·28	9	?	5·90	?	1·20	8·85	?	*Barrabhoom.*		
...	...	...	...	...	...	...	...	1·07	...	4	?	2·59	?	1·07	7·07	?	*Jhalda.*		
...	...	...	...	...	...	0·36	...	0·05	0·30	9	?	4·20	?	1·10	11·42	?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF JUNE 1891.

During the first half of June ordinary hot weather conditions usually prevail over the greater part of the province, the chief features being clear skies with moderate humidity and high temperature. But the moist current from the Bay of Bengal beginning in Burma some time in May and passing northwards is deflected by the Assam hills, so that in the north-east corner of Bengal, and in the northern part of East Bengal, heavy rain continues to fall from the beginning of June. The dry hot weather remains unchanged generally till the commencement of the rainy season, which usually sets in about the second week in the month, and may commence either as a wave of moisture-laden winds advancing over the province, or in many years the rains are brought up by the formation of disturbed weather in the Bay, when somewhat suddenly the sky becomes cloudy, and hot moist weather is general in the lower districts, till the disturbance, crossing the coast, moves in a north-westerly direction, giving heavy rain along its course. After its passage the rainfall area gradually extends, and rain becomes general in all districts. Thus frequently the change from the hot weather to the rains is clearly defined by the commencement of depression in the north of the Bay, but in other years the passage of the hot season into the rainy season is not sudden, but more of a gradual nature, so that it is sometimes difficult to assign any exact date for the commencement of the rains.

The meteorology of June has been most unusual, and the monsoon rains which generally commence on an average date of about the 12th to the 15th, did not this year set in till about the 27th or 28th, and were thus about a fortnight later than usual. On the other hand, there had been very unusual rain in May, as mentioned in the report for that month, and this continued partly into June, so that the lateness of the monsoon and the consequent deficiency of rainfall has been partly counterbalanced by the effects of the unusual meteorological conditions of May.

At the close of May a feeble and diffused cyclonic storm which had formed in the Bay, had advanced in a northerly direction towards the head of the Bay, and it had completely broken up on passing inland. The small storm brought up with it a distinct advance of monsoon winds, and thus at the commencement of June the monsoon winds were blowing strongly over practically the whole Bay, and were even penetrating to a considerable extent inland, and thus at this period conditions in Bengal were more or less of monsoon character. For the first week of June the conditions in Bengal remained somewhat disturbed, pressure varying rather rapidly, while there was also evidence of an advance of westerly winds taking place over the west of the province, gradually driving back the moist easterly winds or monsoon winds which had previously been blowing, and thus a certain amount of interaction was taking place between the two opposing wind systems, and as a consequence of these actions for the first week of June moderate to heavy rain was received in all the divisions of Bengal except Orissa, where the falls were very small.

The second week of June, however, witnessed the gradual and almost complete withdrawal of the rain-bearing current or monsoon winds, and the practical re-establishment of hot weather conditions in Bengal and Behar, and by its close there was practically no general rainfall in the province at all, and the only rain reported was in and near the hills of North Bengal. During this withdrawal of the moist winds from Bengal, the meteorological conditions in the Bay also underwent a distinct change. Wind directions at the west coast stations and in Burma became very strongly westerly, while in Arakan and at Akyab they became more or less easterly. This apparently pointed to the fact that there was circulation of winds or a kind of whirl commencing off the Arakan coast which was sweeping the monsoon winds over Burma, and hence preventing them from reaching the head of the Bay. This change took place shortly after the close of the first week of June, and the rainfall of Bengal in the second week of June at once became largely in defect of the amounts usually received in this week, the defects ranging from about 15 per cent. in North Behar and 20 per cent. in East Bengal to about 60 per cent. in Orissa and Chutia Nagpur.

In the third week of June ordinary hot weather conditions obtained; there was an almost complete absence of rain except over parts of East and North Bengal, cloud proportion was comparatively small, pressure was rather above the normal, while temperature was abnormally high, and the excessive temperature was also accompanied by a very high humidity over the greater part of the province. In the Bay the conditions throughout the week remained practically unchanged. The strength of the monsoon winds blowing in the south and centre of the Bay was very considerable, particularly towards the close of the week. The winds, however, blowing along the greater part of the Madras coast and also at the stations in Burma were in all cases unusually strongly westerly and at many stations due west, showing that the monsoon current was passing towards Burma instead of towards the head of the Bay. In addition to this, at Akyab, almost throughout the week, wind was more or less easterly. This, taken in connection with the wind directions on the Pegu coast, pointed to the continued existence of the slight whirl or cyclonic circulation of winds over the sea area off the Arakan and West Pegu coasts, which would naturally sweep the monsoon current travelling up the east coast of [the Bay towards Burma and to the east of Assam. Almost precisely similar conditions to these existed in June 1888, when also the setting in of the

rains was unduly delayed until almost the close of the month. In that year the rains only set in over Bengal when the small whirl off the Burma coast disappeared on about June 27th or 28th.

In the fourth week of the month the conditions in Bengal remained practically unaltered, and weather was of ordinary hot weather character up till the 26th. There was an almost complete absence of rain in all districts except over parts of East and North Bengal; cloud proportion also remained lower than usual, pressure was rather above the normal, and temperature continued abnormally high, excess amounts of from 15° to 17° above the normal in the case of the day temperatures being registered, while humidity also was decidedly high over by far the greater part of the province. In the Bay also the abnormal conditions described in the previous paragraph remained practically unchanged up till the 25th, when the wind circulation off the Arakan coast disappeared, and winds became southerly in Burma and Arakan, and hence it became possible for the monsoon current to again advance northwards up the Bay to Bengal, instead of being steadily deflected towards the east of the Bay and over Burma.

The monsoon current indeed commenced to give rain from the 27th in Bengal, accompanied at many stations by slightly stormy weather, and on the morning of the 28th fairly heavy general rain was reported from Orissa, South-West and East Bengal. On this day the current advanced further inland, and on the 29th rain was reported generally over the whole province, and at some stations particularly heavy falls were received, and again on the 30th moderate to heavy rain was reported in almost all districts.

In this year, therefore, conditions were very anomalous from about the 7th up to the 25th June in the Bay, for though a fairly strong monsoon was blowing over the south of the Bay, it was unable to advance up the Bay towards Bengal, but passed mainly over Lower Burma and Upper Burma. That province has therefore been receiving copious rain, while Bengal has received a rainfall which is roughly forty per cent. in defect of the normal.

It is usual in the monthly report for June to compare the strength of the monsoon current with the average strength of former years, but this year owing to the delay in the establishment of the monsoon current at the head of the Bay, the comparison is of less value than usual. The only way of comparing the strength of the monsoon current in different years is by means of the wind velocity, and the accompanying table contains the wind velocities in June at the coast stations from Diamond Island round to Gopalpore, as well as of a few stations near the coast line, and in the table these velocities are compared with the normal values for June. At practically all the coast stations from Diamond Island round to the north-west angle of the Bay wind velocities have been below their normal values, but at False Point and Gopalpore there has been an excess in the wind strength. The figures are not very conclusive, but they tend to show that the winds blowing over South Bengal have been much lighter this year than usual:—

Stations.	Actual average wind velocity in June 1891.	Normal wind velocity in June.	Variation of actual for June 1891 from normal.
	Miles per day.	Miles per day.	
Diamond Island	171	207	— 36
Akyab	84	97	— 13
Chittagong	142	152	— 10
Dacca	197	152	+ 45
Jessore	107	117	— 10
Calcutta	137	141	— 4
Saugor Island	428	423	+ 5
Cuttack	85	97	— 12
False Point	348	309	+ 39
Gopalpore	428	314	+114

Pressure.—The mean pressure for the first week of June was in excess of the normal, but the variations were considerable in different districts and at neighbouring stations. Excess pressures of from five to eight hundredths of an inch were reported in most districts, except Orissa, but in that district the defect was only 0·02″. In the second week pressure fell for six days in succession, and the mean pressure was below the normal by from 0·05″ to 0·08″, the defects being smallest in the west of the province and largest in Assam. In the third week pressure had become again in excess of the normal, the average excess equalling about 0·03″, but generally the excess pressure was largest at the western and south-western stations and smallest in the hills and along the foot of the hills to the north of the province. In the fourth week the mean pressure was distinctly in defect of the normal, the amount generally averaging 0·02″ or 0·03″, and in this week the defects were fairly equally distributed except in South Behar, where the variation averaged 0·05″. These variations, it will be seen, to a great extent neutralize each other, and consequently the mean pressure for the month has varied very slightly from the normal, the variations being generally not more than one or two hundredths of an inch, and at the majority of stations pressure has been in very slight defect, though at a few stations in Orissa and Chutia Nagpur slight excess

pressure has been registered. In Assam pressure has been in defect by an average amount of 0·014."

Temperature.—In the first week of June, owing to the unusual rainfall the mean temperature for the week was in defect of the normal by nearly 2°. In the second week temperature continued rather largely in defect at first, but towards its close it was rising rather rapidly, and the mean temperature of the province was still 1 1° below the normal. In the third and fourth weeks very high temperatures were reported, and in the case of the maximum temperature at several stations an excess of 17° was registered for several days, while excess amounts of about 10° were rather common, and the mean temperature of the third week was 3° in excess and of the fourth week 4° in excess in Bengal. In Assam, however, temperature was below the normal in the third week and 1·6° above it in the fourth. These variations have therefore again to a great extent neutralized each other, and the mean temperature of the province of Bengal for the month has been only about 1° in excess of the normal, but the excess has been mainly confined to Orissa, South-West Bengal, and South Behar. In Assam, on the other hand, a slight defect of 0·5° has been registered.

Rainfall.—The total rainfall for the month has averaged thirteen inches in East Bengal, nine inches in North Bengal, eight inches in North Behar, about six inches in South-West Bengal and South Behar, nearly four inches in Chutia Nagpur and two and-a-half inches in Orissa. Compared with the normal amounts for the period, these fails respresent a defect of six per cent in North Behar, of seventeen per cent. in South Behar, of twenty-nine per cent. in East Bengal, of thirty-nine per cent in South-West Bengal, of forty-seven per cent. in North Bengal, of fifty-three per cent. in Chutia Nagpur, and of seventy-two per cent. in Orissa. Expressed in inches of rain, the defect in each district has been as follows :—North Bengal eight, Orissa six, East Bengal five, Chutia Nagpur and South-West Bengal four, and Behar one inch. The number of rainy days in the month has also been very much smaller than usual, and in Chutia Nagpur and Orissa in particular the number of days on which rain fell was only about half the number usual at this season.

The following table gives a condensed view of the rainfall of the various divisions of Bengal in June, and in each of the previous months of the present year, as compared with the normal values for the same periods. The figures given represent the actual falls expressed as percentages of the normal falls, and it will there be seen that while the rainfall of June was extremely deficient, that of May was exceptionally large, and in the previous four months January and April were months of deficient falls, while February and March were months of excessive precipitation. So heavy, indeed, have the falls been in February, March and May, that the general average fall for the first six months of the year is in all cases, except Orissa and North Bengal, in distinct excess of the normal:—

Meteorological Divisions.	January.	February.	March.	April.	May.	June.	Actual rainfall of first six months of 1891 expressed as a percentage of the normal fall for the period.
Orissa	11	167	424	86	134	28	87
South-West Bengal ...	53	193	308	50	170	61	113
East Bengal	2	311	98	130	151	71	106
North Bengal	78	377	239	77	140	53	93
North Behar	171	233	590	19	172	94	128
South Behar	253	159	734	30	165	83	135
Chutia Nagpur	163	91	506	30	148	47	104

The falls for June have thus not only been very deficient generally over the whole province, but in exceptional districts rainfall has been almost absent. This is specially the case in the south of Orissa, where the Pooree and Cuttack districts have received falls which are only from ten to less than twenty per cent. of the normal falls, and the actual rainfalls only average about one inch. Extremely deficient falls are also reported from the districts of Lohardugga, Julpiguri, Chittagong, Burdwan, Balasore, Beerbhoom, Dinagepur, Rungpur, Purneah, and Singbhoom.

On the other hand, in the midst of these defects a few districts have been areas of unusually heavy precipitation, and thus falls considerably in excess of the normal values are reported from the districts of Mozufferpur, Sarun, and Patna, while falls are in slight excess in Dacca, Mymensingh, and Gya.

The following table gives full data for the comparison of the actual and normal rainfall of the month of June in all districts in the province. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance being made for the area which each represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal district rainfall as determined from the rainfall records of the past 18 years; the second column the district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in the district ; the third column expresses the

ratio of the actual district rainfall of the past month to the normal as a percentage, while the fourth gives the percentage variation or the difference of column three from 100 :—

Percentage Table for June 1891.

DIVISION.	DISTRICT.	Normal district rainfall for June.	Actual district rainfall for June 1891.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (−).
Orissa ...	Pooree	7·89	0·76	10	— 90
	Cuttack	9·12	1·55	17	— 83
	Balasore	8·25	3·65	44	— 56
South-West Bengal	Midnapore	9·59	5·47	57	— 43
	24-Pergunnahs	9·83	8·64	88	— 12
	Howrah	9·45	5·20	55	— 45
	Hooghly	9·75	4·87	50	— 50
	Burdwan	9·23	3·77	41	— 59
	Bankoora	9·56	5·84	61	— 39
	Beerbhoom	9·10	4·35	47	— 53
	Nuddea	9·62	5·71	59	— 41
	Khoolna	12·44	7·21	58	— 42
	Jessore	12·10	6·10	50	— 50
	Moorshedabad	9·05	6·61	73	— 27
East Bengal ...	Chittagong	26·32	8·84	34	— 66
	Backergunge	18·66	9·19	50	— 50
	Noakholly	24·18	14·42	59	— 41
	Furreedpore	12·61	7·55	60	— 40
	Dacca	12·91	13·76	107	+ 7
	Tipperah	17·21	11·98	70	— 30
	Mymensingh	17·42	18·87	108	+ 8
North Bengal ...	Pubna	11·32	9·26	82	— 18
	Bogra	13·11	8·50	65	— 35
	Rajshahye	10·[illegible]6	7·24	70	— 30
	Maldah	10·60	6·15	58	— 42
	Dinagepore	13·25	6·28	47	— 53
	Rungpore	21·49	9·62	45	— 55
	Cooch Behar	32·75	18·52	56	— 44
	Julpigoree	29·12	9·67	33	— 67
	Darjeeling	24·02	14·47	60	— 40
North Behar ...	Purneah	12·98	5·68	43	— 57
	North Bhagulpore	8·71	5·07	58	— 42
	Durbhunga	8·00	7·25	91	— 9
	Mozufferpore	7·08	11·06	156	+ 56
	Chumparun	8·31	7·88	95	— 5
	Sarun	6·39	9·30	145	+ 45
South Behar ...	Shahabad	5·30	3·19	60	— 40
	Gya	5·52	5·70	103	+ 3
	Patna	5·95	8·28	139	+ 39
	Monghyr	6·38	6·10	95	— 5
	South Bhagulpore	7·77	6·09	78	— 22
	Sonthal Pergunnahs	8·59	4·33	50	— 50
Chutia Nagpur ...	Hazaribagh	7·90	4·02	51	— 49
	Lohardugga	7·00	1·79	25	— 75
	Singbhoom	8·01	3·74	47	— 53
	Manbhoom	8·42	6·25	74	— 26

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of June 1891 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	107·9	71·8	93·5	81·4	87·5	+1·7	2·42	8·79	—6·37	4·87	9·90	—5·03	6·57	10·97
South-West Bengal	108·6	70·2	95·4	80·3	87·9	+1·4	6·17	10·14	—3·97	8·15	12·29	—4·14	13·24	12·78
East Bengal	94·8	69·6	88·9	78·2	83·5	+0·8	12·97	18·16	—5·19	12·60	16·67	—4·07	22·21	22·30
North Bengal	100·0	70·7	90·4	77·3	83·9	+0·7	9·38	17·57	—8·19	10·72	14·71	—3·99	17·59	22·84
North Behar	105·3	70·8	93·6	78·5	86·0	—0·2	8·15	8·72	—0·57	7·81	8·90	—1·09	12·77	10·49
South Behar	110·9	70·8	98·3	80·6	89·4	+1·3	5·63	6·75	—1·12	6·04	8·41	—2·37	9·18	8·27
Chutia Nagpur	? *	? *	? *	? *	? *	? *	3·74	7·98	—4·24	5·82	10·67	—4·85	7·66	9·60
Assam	94·1	70·3	87·5	75·9	81·7	—0·5								

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 13*th July* 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

STATION OBSERVATIONS.

Meteorological Division.	District.	Representative station.	Air pressure: Mean barometric height, 8 A.M.	Air pressure: Mean reduced to sea-level and 32° lat. 45°.	Air pressure: Variation from mean.	Wind: Prevailing direction.	Wind: Mean wind velocity.	Temperature: Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·555	29·504	—	WSW	394	85·7	5th & 10th July	72·6	11th July	84·6	78·2	81·3	—	80·9
		Gopalpore	29·566	29·527	0	SW	387	86·2	7th ,,	78·3	11th ,,	84·6	79·9	82·3	−0·7	80·9
		False Point	29·550	29·513	−·046	SW	343	89·5	8 & 10 ,,	75·1	7th ,,	87·8	77·1	82·5	−0·9	80·0
	Cuttack	Cuttack	29·489	29·511	−·010	SW	119	91·9	10th ,,	74·3	10th ,,	89·2	76·8	83·0	−1·3	81·1
	Balasore	Balasore	29·458	29·458	−·090	SSW	226	90·4	10th ,,	75·7	7 & 8 ,,	86·5	77·8	82·2	−1·0	81·1
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·481	29·450	−·097	SW	698	86·2	6 & 8 ,,	77·5	9th ,,	85·2	80·4	82·8	−1·7	81·7
	Midnapore	Midnapore	29·353	29·446	−·103	S	230	91·3	8 & 10 ,,	75·1	9th ,,	89·0	78·9	84·0	−0·1	82·6
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·476	29·442	−·1 2	SW	182	89·1	8th ,,	77·7	7th ,,	85·4	78·9	82·2	−1·2	80·4
	Burdwan	Burdwan	29·393	29·417	−·106	SW	112	90·6	9th ,,	70·4	6th ,,	88·1	79·5	83·8	−1·1	81·7
	Bankoora	Bankoora	29·178	29·424	−·099	W	131	95·1	9th ,,	74·6	6th ,,	89·2	78·0	83·6	−0·2	81·3
	Beerbhoom, West Burdwan	Raneegunge	29·147	29·438	−·113	SW	69	94·5	11th ,,	75·4	6th ,,	90·0	78·6	81·3	+0·4	81·5
	Moorshedabad	Berhampore	29·392	29·407	−·149	SSW	165	90·6	9 to 11 ,,	76·8	6th ,,	88·6	79·1	83·0	−0·2	81·0
	Nuddea	Krishnaghur	29·425	29·420	−·121	WSW	135	90·8	11th ,,	70·2	6th ,,	87·6	78·6	83·1	−0·5	81·6
	Jessore, Khoolna	Jessore	29·456	29·435	−·128	SW	64	90·2	5th ,,	70·0	6th ,,	86·2	75·1	82·2	−2·2	81·2
East Bengal.	Chittagong	Chittagong	29·468	29·501	−·125	Sly	152	87·7	7th ,,	75·1	7, 8, & 10 July	83·1	76·1	79·6	−1·2	79·0
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·497	29·454	−·115	SW	141	89·3	8th July	75·9	6th ,,	85·1	77·4	81·3	−0·5	80·3
	Noakhally	Noakholly	29·484	29·473	−·133	Variable	167	86·5	8th ,,	76·3	6th ,,	83·1	77·7	80·4	−0·5	80·0
	Furreedpore	Furreedpore	29·461	29·417	−·12[illegible]	SW	111	88·5	8th ,,	70·4	6th ,,	85·4	78·0	81·7	−0·9	80·6
	Dacca	Dacca	29·470	29·410	−·143	Sly	103	87·6	5th ,,	77·7	5th ,,	84·5	78·8	81·7	−1·8	80·4
	Commillah	Commillah	29·486	29·468	−·13[illegible]	Sly	141	88·4	8th ,,	74·8	10th ,,	84·8	76·9	80·9	−0·6	80·7
	Mymensingh	Mymensingh	29·422	29·430	−·164	SEly	112	87·7	5 & 8 ,,	74·6	9th ,,	84·4	77·4	80·9	−1·5	78·9
North Bengal.	Bogra	Bogra	29·378	29·391	−·145	Variable	103	89·3	5 & 11 ,,	76·2	6th ,,	87·0	78·6	82·9	0	81·2
	Pubna	Serajgunge	29·431	29·416	−·158	Sly	97	89·1	11th ,,	76·7	6th ,,	86·1	78·2	82·2	−0·6	80·2
	Rajshahye	Rampore Beauleah.	29·387	29·406	−·138	SW	194	90·8	9th ,,	77·6	6th ,,	87·9	79·2	83·6	0	81·4
	Maldah	Maldah	29·359	29·380	—	SW	84	92·6	5th ,,	77·3	5th ,,	89·0	79·2	84·1	—	82·4
	Dinagepore	Dinagepore	29·3[illegible]0	29·399	−·183	Variable	46	89·6	5th ,,	76·2	8th ,,	86·4	77·4	82·0	−1·7	79·8
	Rungpore	Rungpore	29·336	29·412	−·188	E	63	89·8	5th ,,	76·2	9th ,,	86·0	77·3	81·7	−1·7	78·9
	Julpigoree, Cooch Behar	Julpigoree	29·166	29·401	−·168	?	59	89·4	5th ,,	75·1	8th ,,	85·4	76·8	81·1	−0·9	79·6
	Darjeeling Hill Tracts	Darjeeling	2[illegible]·740		−·142	SEly	58	69·1	5th ,,	57·7	to 8 ,,	66·3	58·3	62·3	+0·6	62·1
North Behar.	Purneah, North Bhagulpore	Purneah	29·321	29·398	·158	Variable	31	91·7	5th ,,	75·7	6, 7, 10 & 11th July	87·3	76·8	82·1	−2·1	80·8
	Mozufferpore	Mozufferpore	29·241	29·370	—	SWly	113	93·3	10th ,,	70·7	5th ,,	89·7	78·1	83·9	—	82·2
	Durbhunga	Durbhunga	29·286	29·403	−·144	Variable	79	94·9	5th ,,	76·5	7th ,,	90·3	78·8	84·6	+0·3	81·8
	Chumparun	Motihari	29·201	29·379	−·155	ENE	135	93·2	9 & 10 ,,	75·9	6th ,,	90·5	78·8	84·7	+1·4	82·1
	Sarun	Chupra	29·238	29·369	−·143	SW	149	96·3	10th ,,	76·6	6th ,,	93·4	80·4	86·9	+2·3	85·2
South Behar.	Shahabad	Dehree	29·090	29·388	−·120	SWly	?	98·9	10th ,,	77·0	10th ,,	97·0	81·0	89·0	+5·5	85·5
		Buxar	29·160	29·369	−·159	W	287	101·4	10th ,,	78·7	10th ,,	96·7	81·9	89·3	+5·5	86·8
		Arrah	29·248	29·387	−·121	Variable	73*	97·4	11th ,,	76·0	6th ,,	94·3	80·0	87·2	+3·1	84·8
	Gya	Gya	29·086	29·402	−·125	W	131	98·0	10th ,,	70·3	10th ,,	93·2	80·2	86·7	+1·7	83·5
	Patna	Bankipore	29·248	29·360	−·158	Wly	115	94·4	10th ,,	73·7	8th ,,	91·5	79·1	85·3	+0·2	84·5
	South Bhagulpore, Monghyr	Bhagulpore	29·276	29·388	−·146	SWly	29	93·2	9th ,,	77·5	6th ,,	88·9	79·5	84·2	0	82·6
	Sonthal Pergunnahs	Doomka	29·965	29·402	−·129	W	88	91·1	9th ,,	76·0	6th ,,	89·2	77·9	83·6	+0·3	82·7
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·513	29·437	−·089	WSW	320	90·7	10th ,,	71·1	6th ,,	85·6	73·0	79·3	−0·2	77·6
	Lohar dugga, Manbhoom	Ranchee	27·399	29·439	−·082	WSW	226	90·0	10th ,,	71·9	9th ,,	85·3	73·5	79·4	+1·0	76·9
	Singbhoom	Chyebassa	28·746	29·446	−·068	SW	95	92·4	9th ,,	75·2	9th ,,	87·4	77·7	82·6	−1·1	80·7
Assam.	Sibsagar	Sibsagar	29·175	29·457	−·171	NE	—	93·6	6th ,,	77·5	11th ,,	91·4	78·6	85·0	+1·0	83·8
	Goalpara	Dhubri	29·343	29·411	−·182	Variable	140	85·2	8th ,,	74·3	8th ,,	83·6	76·2	79·6	−3·3	77·5
	Cachar	Silchar	29·410	29·471	−·153	Calm	—	96·1	5th ,,	76·2	10th ,,	89·6	77·3	83·5	+0·4	80·0

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 11th of July 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
82	9·0	0·34		2·81		4·09			14·04			3 38	Pooree ...	Pooree	Orissa.
87	7·1	0·36											Gopalpore ...		
87	10·0	1·06											False Point ...		
77	9·7	2·12		2·60		4·01			10·74			3·39	Cuttack ...	Cuttack	
85	7·3	0·61		3 26		4·45			15·08			3·36	Balasore ...	Balasore	
87	10·0	8·23	2·38	3 05	4·30	5·37	−1·07	15·48	18·39	−2·91	3·00	3·90	Saugor Island ...	South-West Midnapore; South 24 Pergunnahs	South-West Bengal.
79	4·7	0·22	1·56	3 30	2·96	4 05	−1·69	16·53	16·94	−0·41	2·00	3 57	Midnapore ...	Midnapore	
87	10·0	1·05	2·41	2·63	3·31	3·05	−0·74	13·52	16·94	−3·42	2 60	3 77	Calcutta ...	24-Pergunnahs ...; Howrah ... ..; Hooghly ...	
78	10·0	7·35	5·63	2·06	5·85	3·51	+2·34	19·20	15 26	+3·94	3·00	3 33	Burdwan ...	Burdwan	
85	7 6	1·80	3·04	3·04	5·35	4·22	+1·13	20·24	17 93	+2·31	2·50	3 78	Bankoora ...	Bankoora	
83	9·7	1·81	2·45	2·93	3·90	4·48	−0·58	17·40	17·13	+0 27	2·25	3 02	Raneegunge ...	Beerbhoom ... ..; West Burdwan ...	
89	8·1	1·73	2·57	2·17	3·90	4·08	−0·18	19·01	17·05	+2·56	3·67	3 24	Berhampore ...	Moorshedabad ...	
84	9·0	5·12	4·11	2 09	4·76	4·14	+0·62	19 10	17·58	+1·52	4·00	3·19	Krishnagur ...	Nuddea	
89	9·4	3·82	4·40	2·24	5·04	3·95	+1·09	19·57	19·72	−0·15	4·38	3 32	Jessore ...	Jessore ... ...; Khoolna	
95	9·9	20·06		6·71		10·66			46 60			4·85	Chittagong ...	Chittagong	East Bengal.
			17·41	3·70	17·99	6·14	+11·85	39·14	30·45	+8·69	7·00	4·70	Doomagiri ...	Chittagong Hill Tracts	
91	9·4	7·48	6·25	3 52	7·42	6 22	+1·20	24·27	30 16	−5·89	4·75	4·61	Barrisal ...	Backergunge	
91	6·4	5·50	7·38	6·05	9·39	7·99	+1·40	32·80	41·38	−8·58	6·00	4·71	Noakhally ...	Noakhally	
92	9·0	4·45	4·24	2·12	4·74	4·08	+0·66	18·21	20 87	−2·66	4·67	3 35	Furreedpore ...	Furreedpore	
92	9 9	6·07	5·24	2·49	6·24	4·61	+1·63	29·43	22·26	+7·17	4 50	3 34	Dacca ...	Dacca	
88	5·0	4·33	5·52	2 97	5·98	4·76	+1·22	30·80	25·83	+4·97	5·00	3 77	Commillah ...	Commillah	
94	8·6	5 05		2·58		4·75			27 33			3·34	Mymensingh ...	Mymensingh	
91	7·1	3·37	3·57	2·56	4·25	4 96	−0·71	20·71	22·57	−1·86	3·50	3·04	Bogra ...	Bogra	North Bengal.
93	8·9	2 57	2·87	1·99	3·29	3·99	−0·70	19 25	19·27	−0·02	3·50	3 05	Serajgunge ...	Pubna	
80	6·1	2·87	3·55	2·28	4·17	4·47	−0·30	19·05	19·72	−0·67	3 00	3 03	Rampore Beauleah	Rajshahye	
80	7·4	2·64	3 10	2·82	6·06	5 24	+0·82	17·15	20·58	−3·43	2·50	3 16	Maldah ...	Maldah	
93	9·9	9·42	7·95	2·62	11 97	4·72	+7·25	24·60	23 48	+1·12	5·00	3 37	Dinagepore ...	Dinagepore	
93	5·6	12·81	12·26	3·03	14 64	5·87	+8·77	35·46	34 56	+0 90	6 00	2 75	Rungpore ...	Rungpore	
98	4·4	5·31	11·35	3·94	15·30	8·03	+7·27	40·76	48 67	−7·91	6·40	3 48	Julpigoree ...	Julpigoree ... ...; Cooch Behar	
97	10·0	5·53	0·01	9·10	9·36	14 90	−5·54	34·55	53 91	−19·36	6·25	5 36	Darjeeling ...	Darjeeling Hill Tracts	
89	9·8	2·31	3·23	2·45	6·65	5·18	+1·47	20·46	20·89	−0·43	3·60	3 14	Purneah ...	Purneah ... ...; North Bhagulpore ...	North Behar.
86	6·7	4·25	3 89	2·43	5·39	4·27	+1·12	19·66	14·48	+5·18	3·00	2 54	Mozufferpore ...	Mozufferpore	
87	8·4	2·03	3·66	2·40	5·88	4 46	+1·42	17·38	15 19	+2 19	3 33	2·54	Durbhunga ...	Durbhunga	
88	8·3	2·71	3·13	2·90	4·48	5·03	−0·55	17·36	15·79	+1·57	2·50	2·52	Motihari	Chumparun	
77	2·9	0·52		2·45		4·42			13·28			3·02	Chupra ...	Sarun	
72	5·0	0·37											Dehree ...		South Behar.
72	6·1	0·07	0·84	2·43	1·64	3·90	−2·26	6·08	10·81	−4·73	2·00	3·33	Buxar ...	Shahabad	
81	2 1	1 22											Arrah ...		
83	7·0	2·73	3·15	2·41	5·76	3·77	+1·99	12·59	11·98	+0 61	3·00	2·97	Gya ...	Gya	
79	6·9	2·05	3·03	2·26	5·35	3·94	+1·41	18·11	12·99	+5·12	2·50	2·86	Bankipore ...	Patna	
86	9·0	4·26	3·50	1·97	4·97	3·41	+1·56	15·48	13·14	+2·34	3·20	3·28	Bhagulpore ...	South Bhagulpore ...; Monghyr	
81	4·7	2·61	2 02	2·58	3·91	4·24	−0·33	15 38	16 73	−1·35	2·50	3·31	Doomka ...	Sonthal Pergunnahs	
79	10·0	3·69		2·67		4·25			15·53			4 13	Hazareebagh ...	Hazaribagh	Chota Nagpur.
82	9·4	2·08	2·28	3 00 / 2·93	5·42	4·30 / 4·18	+1·24	14·83	14 58 / 14 67	+0·16	2·50	4·24 / 3 89	Ranchi ...	Lohardugga ... ..; Manbhoom	
78	9·7	1·80	1·48	2·82	2·35	3·98	−1 63	9 57	15·40	−5·83	2·00	3·75	Chyebassa ...	Singbhoom	
91	9·7	6 81											Sibsagar	Assam	Assam.
95	10·0	13·45											Dhubri		
92	9·9	4·50											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the sub-divisions

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 11th of July 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 5th July.	Monday, 6th July.	Tuesday, 7th July.	Wednesday, 8th July.	Thursday, 9th July.	Friday, 10th July.	Saturday, 11th July.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	...	......	0·02	0·17	0·04	......	1	0·23	2·33	0·38	3·12	5·05	13·18
		Khurdah ...	0·29	0·05	0·11	0·09						2·91		4·04		16·26
		Banpur ...	......	...	...	0·25	0·00	......	0·06	3	1·93	2·67	5·88	4·16	10·95	18·14
		False Point ...	0·23	0·17	0·03	1·38						3·31		4·73		17·17
		Gop ...										?		?		?
		Satpara ...										?		?		?
		Pipli ..										?		?		?
	Cuttack	Jagatsingpore	0·07	0·10	0·70	0·55						2·44		3·48		12·99
		Banki ..	0·04	0·23	0·80	1·09						2·18		4·29		17·28
		Cuttack ...	0·18	0·14	0·55	1·11	0·14	......	......	5	2·42	3·09	[illegible]	4·31	10·06	19·66
		Kendrapara ...	...	0·24	0·38	1·37	......	......	......	3	1·05	2·85	2·10	3·53	6·14	15·57
		Jajpore ...	0·10	0·16	0·16	0·16	......	... ..	......	4	0·58	2·87	0·58	4·43	7·21	18·13
		Dharmsala ..	0·15		1·5							?		?		?
		Salipore	......	0·26	0·47	0·60						?		?		?
	Balasore ..	*Akhoyapada* .	......	0·22	0·28	0·15	...	......	0·06	3	0·71	?	1·39	?	8·15	?
		Chandbali ...	0·05	0·20	0·10	0·44	0·07	......	0·04	3	0·90	2·86	1·34	3·77	5·90	14·66
		Bhuddruck ...	......	0·25	0·35	0·25	......	......	......	3	0·85	2·79	3·87	3·90	9·87	10·32
		Sorah ...	......	... ..	0·10	...	...	......	0·20	2	0·30	3·47	0·90	4·36	8·20	14·76
		Balasore ..	0·13	0·01	0·04	0·09	0·20	......	0·02	2	0·61	3·64	0·90	4·83	8·97	16·99
		Jellasore ..										4·06		5·30		15·53
		Baripodah ..	.. ...	......	......	0·03	......	0·02	0·98	1	1·03	2·71	2·88	4·41	12·01	17·58
SOUTH-WEST BENGAL.	Midnapore	Contai ...	0·10	... ..	......	0·11	2·60	......	0·14	4	3·04	3·53	4·44	4·65	10·89	17·62
		Saugor Island	0·39	0·09	......	......	1·10	... ..	1·65	3	3·23	4·05	7·31	5·75	18·21	19·01
		Tumlook ..	0·80	...	......	0·55	......	0·10	.. ...	3	1·45	2·01	3·71	3·69	18·07	15·70
		Midnapore ...	0·03	0·02	... ..	......	0·16	... ..	......	1	0·21	3·05	0·42	4·08	10·89	10·12
		Ghattal ...	2·78	0·18	0·04	......	0·01	... ..	0·01	2	3·02	4·12	4·74	5·65	20·65	18·99
		Kukrahaty ..	0·57	0·10	......	......	......	......	......	2	0·71	?	0·76	?	0·75	?
		Garbetta ...	2·67	0·34	......	......	......	......	......	2	3·01	?	4·67	?	19·09	?
	24-Pergunnahs	Diamond Harbour ...	0·73	0·11	......	......	......	... ..	0·04	2	0·87	4·26	1·16	5·71	17·34	18·51
		Canning Town	1·90	0·30	0·04	0·41	0·12	0·20	... ...	5	2·97	?	3·23	?	13·86	?
		Alipore Jail ..	0·78	0·32	0·12	0·05	......	......	0·10	4	1·37	3·22	3·26	4·48	12·54	17·89
		Barrackpore ...	1·34	1·08	......	......	......	......	0·05	2	2·47	2·34	2·47	3·56	11·71	16·89
		Dum-Dum ..	1·01	0·16	0·09	......	......	......	0·06	2	1·32	2·11	2·67	3·50	8·91	16·84
		Baraset ..	0·98	0·29	......	0·36	...	0·04	... ..	3	1·67	2·05	1·67	3·15	12·20	15·86
		Buseerhat ..	......	1·58	... ..	......	0·50	......	0·08	2	2·05	2·92	2·77	4·48	15·91	18·89
	Howrah	Howrah .	0·88	0·72	0·10	......	......	......	0·01	3	1·71	2·67	2·55	4·06	13·05	16·83
		Mohesreka ... (*Ooloberiah*)	0·65	0·15	0·09	0·12	......	......	0·02	3	1·03	3·33	1·79	4·88	13·57	16·86
	Hooghly	Serampore ...	1·49	0·53	0·03	......	......	0·09	......	2	2·14	2·32	2·14	3·60	11·12	16·16
		Hooghly ...	1·96	1·04	... .	.. ...	0·02	......	......	2	3·02	2·21	3·52	3·12	14·48	15·77
		Jehanabad ..	5·80	1·03	0·03	0·50	......	......	......	3	7·39	3·13	7·93	4·43	20·07	17·48
	Burdwan	Culna ...	0·50	5·20	...	...	......	0·17	.....	3	5·87	1·86	5·67	3·39	17·03	14·41
		Burdwan ...	4·12	2·94	0·03	0·26	......	......	......	3	7·35	2·12	7·82	3·37	21·47	14·98
		Cutwa ..	0·80	2·62	0·03	... ..	...	......	0·22	3	3·67	2·19	3·87	3·77	18·21	16·40
		Raneegunge .	0·53	1·23	... ..	.....	0·02	......	0·03	2	1·81	3·00	2·93	4·68	18·96	15·66
		Mankur ...	1·39	1·04	......	0·10	.....	......	......	3	2·53	?	6·51	?	20·45	?
	Bankoora ..	Bankoora ...	3·85	0·89	......	......	0·12	......	.. ...	3	4·86	3·08	6·39	4·11	19·84	16·70
		Bishenpore ...	2·38	1·22	......	...	.. ..	......	0·21	3	3·81	2·93	6·91	4·43	22·23	18·15
		Maliara ...	0·85	0·53	... ..	0·04	0·09	...	0·04	2	1·55	3·19	4·74	4·42	24·02	18·06
		Khatra ..	1·52	0·42	......	... ..	......	......	......	2	1·94	2·09	3·34	3·91	14·88	18·77
		Indas ..	2·50	1·48	......	... ..	0·06	......	......	2	4·04*	?	7·64	?	21·45	?
		Kotalpore ..	4·90	0·66	......	......	......	... ..	......	2	5·56	?	6·78	?	21·07	?
		Anda ...	1·00	0·90	......	......	......	... ..	... ..	2	1·90	?	2·25	?	7·73	?
		Gangajalghati	1·91	1·44	......	......	.. ..	0·21	......	3	3·56	?	7·83	?	23·87	?
		Raipore ...	0·60	... .	... ..	......	0·32	......	......	2	0·92	?	3·10	?	22·35	?
		Sonamukhi ..	1·75	1·82	......	......	......	......	... ..	2	3·57	?	6·24	?	22·26	?
	Beerbhoom	Sh. Soory .	0·87	1·15	0·08	......	......	0·01	...	2	2·11	3·57	4·10	5·12	16·97	18·34
		Hetampore ...	0·56	1·19	0·03	......	......	......	......	2	2·08	3·32	3·09	5·09	19·39	18·60
		Rampore Haut	2·02	1·21	0·51	......	0·06	... ..	.. ...	3	3·80	1·44	4·56	3·25	14·24	16·10
		Bolpore .	0·70	... .	......	... ..	......	......	......	1	0·70	?	2·49	?	17·72	?
		Murari ...	......	1·41	......	......	......	.. ..	......	1	1·41	?	5·50	?	15·04	?
	Nuddea ...	Ranaghat .	1·14	2·90	......	... ..	0·04	0·32	......	3	4·40	2·43	4·55	3·83	16·59	16·05
		Kishnaghur ...	1·14	2·77	0·11	0·35	...	0·06	0·09	5	5·12	1·80	5·20	4·11	20·57	15·60
		Chooadanga	... ..	3·07	0·10	.....	0·27	.. ...	0·72	4	4·16	2·30	4·48	4·76	18·02	18·33
		Meherpore ...	......	3·20	... ..	0·30	......	......	0·15	3	3·65	1·82	6·10	3·95	22·05	17·35
		Kooshtea	0·76	0·90	0·56	......	0·83	......	0·18	5	3·23	2·12	3·50	4·03	17·73	19·90
	Khoolna ..	Satkhira ..	1·15	0·84	......	0·54	0·45	0·02	0·04	4	3·04	2·63	3·41	4·61	15·98	20·70
		Bagirhat ..	1·45	0·95	......	0·35	1·05	......	......	4	3·80	2·44	5·38	4·14	22·57	22·66
		Khoolna ...	1·20	1·50	......	......	0·94	......	0·33	4	3·97	1·99	5·07	3·58	15·46	19·87
		Nakipur ...	0·82	... ..	0·15	1·14	.. ...	......	0·45	4	2·56	?	4·49	?	18·83	?
		Rampal ..	2·00	0·60	......	......	0·80	......	......	3	3·40	?	3·40	?	13·40	?
	Jessore ...	Narail ..	2·40	1·53	......	......	0·95	0·49	0·25	5	5·62	1·97	5·97	3·58	16·57	17·34
		Jessore ..	1·37	1·30	.....	......	0·43	0·33	0·30	5	3·82	2·24	4·08	3·83	10·54	20·30
		Jhenidah ..	0·20	1·25	0·37	......	......	0·06	0·09	4	2·90	2·16	3·58	3·71	21·02	19·90
		Magoorah ..	1·96	2·01	0·50	.....	......	0·21	2·46	5	7·14	2·35	7·14	4·00	25·48	19·54
		Bongong ..	3·10	2·15	0·02	.....	0·15	......	0·12	4	5·54	2·10	5·69	4·10	10·95	17·45
	Moorshedabad	Kandi ...	0·72	0·76	0·46	......	......	...	......	3	1·94	2·02	1·94	4·80	15·02	17·40
		Berhampore ...	0·11	0·79	0·83	......	......	......	......	3	1·73	2·23	2·41	4·03	17·15	16·98
		Lalbagh ...	0·33	1·24	0·14	......	0·44	......	......	4	2·15	1·85	2·75	3·48	19·22	15·72
		Azimgunge ..	0·24	2·10	0·16	......	0·25	......	......	4	2·75	1·92	4·25	3·71	17·56	16·02
		Jungipore ..	0·11	0·38	0·13	0·23	......	......	0·09	4	0·94	1·07	2·45	4·10	20·88	16·77
		Lalgola ...	0·54	0·85	0·05	0·10	0·35	......	......	4	1·89	2·41	5·59	4·32	23·74	18·58
		Akhriganj ...	0·15	1·08	0·05	......	0·97	......	0·02	3	2·87	?	4·05	?	21·19	?
		Patkabari .	1·30	0·20							......	?		?		?
EAST BENGAL	Chittagong	Cox's Bazar ...	1·01	1·20	3·18	8·26	2·30	2·60	0·20	7	18·95	9·14	21·44	14·40	35·33	55·96
		Chittagong ...	1·72	4·30	2·24	5·50	3·02	6·32	0·04			4·28		6·91		37·42
		Kutubdia ...	2·48									?		?		?
		Satkanya ...	1·80	0·25	8·44	14·63	3·65					?		?		?
	Chittagong Hill Tracts.	Rangamati ...	2·30	0·00	4·15	0·08	2·00	2·15	0·10	7	17·44	3·70	17·90	6·14	30·14	30·45
		Bundarban ...										?		?		?
	Backergunge	Patuakhally ...	0·40	1·35	......	0·77	1·15	......	1·00	5	5·27	4·45	0·17	7·19	24·89	35·19
		Ferozepore .	1·35	2·10	......	0·58	0·87	......	......	4	4·90	2·64	6·81	5·40	26·14	25·89
		Burrisal ..	1·16	2·97	0·02	0·85	2·32	......	1·16	5	8·78	3·18	9·32	5·23	21·40	26·36
		Bhola ...	0·46	2·40	......	0·15	2·09	......	0·97	5	6·07	3·79	7·39	6·95	24·64	33·10

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 11th of July 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 5th July.	Monday, 6th July.	Tuesday, 7th July.	Wednesday, 8th July.	Thursday, 9th July.	Friday, 10th July.	Saturday, 11th July.	Total. Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 10th May 1891.	Average rainfall from 16th May to date.
East Bengal—concld.		*Gournaddi* ..	1·20	0·93								?		?		?
		Bauphal ..	0·90	1·20	......	0·83	1·42	0·09	1·43	5	5·03	?	6·80	?	22·20	?
	Noakholly ...	Noakholly ..	1·82	2·31	......	0·30	0·58	0·47	0·05	5	5·53	4·48	7·00	7·68	33·87	30·62
		Fenny .	2·55	1·90	1·30	0·10	0·10	2·35	0·32	7	9·22	5·61	11·68	8·28	31·68	45·10
		Harishpore ...	5·65	2·95	1·75	1·65	1·35					?		?	...	?
		Ramganj ...	0·08	1·75	......	0·24	1·27	0·05	......	4	3·39	?	5·07	?	23·76	?
	Furreedpore	Madaripore ..	1·32	1·47	0·15	0·61	0·34	......	2·30	6	6·19	2·26	6·60	4·03	17·29	21·56
		Furreedpore...	0·20	2·80	0·04	0·43	0·41	......	0·58	5	4·46	2·00	4·78	4·27	20·64	21·65
		Goalundo .	0·70	1·06	......	......	0·25	......	......	3	2·01	2·09	2·09	3·92	17·27	10·43
	Dacca ..	Munshigunge	3·10	2·00	0·17	0·22	0·17	0·05	......	5	5·71	2·93	6·55	5·47	25·90	25·89
		Dacca ..	4·02	1·98	0·25	0·57	0·09	......	0·20	5	7·11	2·42	8·27	4·23	34·88	21·84
		Naraingunge	4·25	1·34	0·20	0·27	0·21	......	......	5	6·27	2·47	6·67	4·47	31·71	23·69
		Manickgunge	0·08	1·36	0·23	......	0·17	0·02	0·07	3	1·93	2·14	3·53	4·27	25·28	17·67
		Joydebpore ..	1·18	0·65	......	0·66	......	0·09	......	3	2·58	?	4·13	?	26·43	?
	Hill Tipperah Tipperah ...	Agartola ..	0·59	3·30	0·10	1·30	0·70	0·40	......	6	6·30	2·61	6·60	4·22	38·90	23·20
		Comilla ...	1·13	1·80	0·30	......	0·50	0·55	......	5	4·28	3·59	4·73	5·61	33·39	30·04
		Chandpore ...	1·50	0·48	......	......	2·00	......	......	3	3·93	3·10	4·36	5·01	22·97	26·04
		Brahmunberia	1·20	2·03	1·75	0·15	2·26	0·20	......	6	7·59	2·56	8·22	4·18	33·50	24·01
		Ramchandrapore ...	3·65	1·91	0·63	0·49	0·92	0·78	......	6	8·37	?	8·69	?	31·81	?
		Nasirnagar ...	0·70	0·64	......	0·10	0·80					?		?		?
		Daudkandi ...	1·70	2·65	......	......	0·60					?		?		?
		Kasba ..	0·90	2·80	0·02	1·80	1·40	0·21	......	5	7·13	?		?		?
		Laksham ..	2·05	1·05	......	......	2·45	......	......	3	5·62	?	6·80	?	33·80	?
	Mymensingh..	Kishoregunge	4·38	0·44	0·48	1·57	0·74	0·08	0·36	6	8·05	2·34	8·23	4·37	49·70	28·30
		Atia (*Tangail*)	0·52	1·00	1·62	......	......	......	0·11	4	3·34	1·94	3·55	3·59	20·84	20·01
		Mymensingh	1·58	2·20	0·55	0·73	0·66	0·07	0·09	5	5·88	2·86	6·40	5·10	31·75	30·24
		Jamalpore ...	2·74	1·84	0·81	......	0·97	0·01	......	4	6·37	2·98	7·85	4·90	25·83	23·80
		Netrokona ...	1·05	0·21	0·36	2·51	0·15	0·39				2·77		5·80		34·19
		Subornakhali	2·75	0·68	0·58	......	......	......	0·06	3	4·07	?	4·27	?	18·28	?
		Durgapore ...	......	2·20	1·40	4·50	1·30	0·55				?		?		?
		Sherepore Town	1·50	2·50	0·74	......	1·72					?		?		?
		Dewanganj ..	2·85	1·23	......	1·3	......	0·25				?		?		?
North Bengal.	Pubna ...	Pubna ...	0·11	1·40	1·24	......	......	......	0·35	4	3·10	1·69	3·24	3·69	15·95	18·81
		Serajgunge ...	0·98	0·58	1·02	......	......	......	0·03	3	2·61	2·10	3·10	4·28	22·50	19·63
	Bogra ...	Sherepore ...	0·96	0·30	0·28	0·08	......	......	......	3	1·62	2·72	2·10	4·96	15·15	22·60
		Nowkhilla ...	0·73	0·67	0·87	......	0·06	......	0·05	3	2·38	2·02	2·57	4·22	23·16	20·79
		Bogra ...	1·73	1·05	1·27	......	......	0·05	0·07	3	4·17	2·74	5·15	5·60	21·50	21·04
		Panchbibi ..	0·45	3·38	1·47	0·50	......	......	0·31	5	6·11	2·75	7·18	5·06	22·20	28·83
	Rajshahye ...	Beauleah ..	1·33	......	0·48	......	......	......	......	2	1·81	2·63	2·56	5·10	17·03	18·05
		Nattore ...	0·20	1·50	1·30	......	......	......	......	3	3·00	2·28	3·62	4·64	21·54	19·23
		Naogaon ...	2·83	3·06	0·70	0·18	......	0·08	......	4	5·85	1·93	6·36	3·67	16·57	21·87
		Lalpore ...	......	0·87	......	......	......	0·33	......	2	1·20	?	4·99	?	18·31	?
		Manda ..	3·04	0·43	0·18	......	......	......	......	3	3·05	?	4·10	?	15·06	?
	Maldah ...	Maldah ...	1·34	1·25	......	0·04	......	......	0·01	2	2·64	2·71	5·01	4·68	18·21	19·48
		Chanchal ...	0·68	2·82	0·10	0·07	......	......	......	3	3·67	2·93	7·11	5·79	19·65	21·67
		Gajol ...	4·50	2·70	0·12	0·40	......	......	......	4	7·72	?	13·59	?	21·62	?
		Sibganj ...	1·12	1·38	0·02	......	......	......	0·42	3	2·94	?	6·22	?	21·92	?
	Dinagepore ..	Mohadebpore	1·75	4·75	0·18	0·19	......	0·08	......	4	6·95	2·38	8·15	3·88	14·43	21·53
		Churamon .	1·18	3·26	0·12	......	0·22	2·03	0·07	5	6·88	2·73	12·77	5·01	24·20	20·61
		Raigunge	0·94	5·08	0·80	1·60	......	1·30	0·46	6	10·18	2·42	16·90	4·62	31·85	23·00
		Dinagepore	0·68	1·84	2·50	2·56	0·36	0·17	0·08	6	8·19	2·34	12·27	5·06	25·15	27·25
		Baloorghat	1·19	3·56	0·50	2·25	......	......	0·07	4	7·57	3·03	9·71	5·05	23·62	24·07
		Thakoorgaon	1·33	1·34	4·10	3·77	......	0·36	......	5	10·88	?	20·43	?	41·61	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	0·50	0·90	7·26	2·00	0·67	0·10	0·05	6	11·48	2·15	14·01	4·65	33·51	25·31
		Rungpore ..	0·68	1·08	5·34	2·15	3·03	0·53	0·06	6	12·86	4·21	13·53	7·69	37·83	31·60
		Kurigram ..	1·50	1·82	4·20	2·16	3·16	0·42	......	6	13·26	3·62	13·29	6·19	34·35	37·54
		Bagdogra (*Nilphamari*)	0·10	0·78	4·78	5·15	0·27	0·28	......	6	11·45	2·93	17·76	5·72	36·17	41·25
		Ulipore ...	0·92	1·48	4·98	3·42	2·15	0·10	......	6	13·35	?	14·02	?	35·34	?
	Julpigoree ...	Julpigoree ..	0·75	0·61	0·60	2·82	0·07	0·09	0·18	5	5·12	5·52	11·38	9·00	30·03	47·13
		Alipore Dooar	0·67	0·79	1·20	5·71	2·08	0·12	0·59	7	11·07	?	18·21	?	41·74	?
		Fallacotta ...	0·34	1·38	2·05	3·25	0·30	0·17	......	6	7·56	?	13·44	?	30·49	?
		Debiganj ...	0·84	2·13	5·49	3·11	1·08	3·57	......	6	16·13	?	25·54	?	37·72	?
		Bhagatpore (Nagrakatta)	1·19	0·55	0·20	3·02	......	0·37	3·30	6	8·63	?	12·25	?	37·76	?
	Cooch Behar.	Dinhatta ...	1·35	1·55	2·97	0·24	1·71	1·32	1·29	7	10·44	2·81	18·31	5·49	44·34	44·58
		Cooch Behar..	2·19	1·25	1·78	6·50	2·50	2·64	0·55	7	17·41	4·60	19·81	8·46	48·13	55·19
		Mickligunge...	0·72	0·80	1·32	2·98	2·13	0·12	......	6	8·07	3·20	14·32	6·98	39·39	44·88
		Matabhanga...	2·58	0·66	1·45	3·14	1·39	0·10	0·11	7	9·73	3·59	12·69	8·26	41·91	40·53
	Darjeeling Hill.	Buxa ..	2·97	1·10	0·93	3·69	0·18	0·89	0·02	6	9·64	12·51	18·21	21·05	57·49	53·45
		Silliguri ..	1·18	0·85	0·70	2·90	0·14	0·02	0·12	6	5·80	8·72	8·55	16·64	27·12	53·09
		Darjeeling ...	0·18	0·97	0·55	2·40	1·05	0·15	0·23	7	5·53	6·76	7·05	11·14	34·68	42·02
		Kalimpong ...	0·08	0·38	0·78	0·93	0·10	0·53	0·18	6	2·96	8·40	3·57	11·77	15·97	30·10
		Kurseong ...	0·97	2·23	3·40	2·64	0·21	0·68	0·11	7	10·24	?	12·36	?	44·91	?
North Behar.	Purneah ...	Kissengunge...	0·24	0·69	2·10	1·28	......	......	......	4	4·31	3·12	14·07	0·77	20·49	28·25
		Arrareah ...	0·10	0·85	3·28	1·16	......	......	......	4	5·39	2·80	8·21	0·04	25·43	23·41
		Purneah ..	0·46	1·20	0·03	0·20	......	0·22	0·02	4	2·31	2·16	4·10	4·57	19·17	19·93
		Gondwara ...	1·59	0·11								?		?		?
		Balarampore	0·26	0·60	0·70	0·19	......	0·12	0·70	6	2·48	?	4·81	?	16·17	?
		Matiari ...		0·20	1·5							?		?		?
		Kalidyanj ...	0·50	0·43	1·50	2·86	0·20	......	0·10	6	5·59	?	9·07	?	25·69	?
	North Bhagulpore.	Maddapore ..	......	1·50	......	0·75	......	......	0·58	3	2·83	2·18	4·08	4·35	15·11	16·14
		Soopool ..	0·24	......	0·92	......	......	......	0·15	3	1·31	1·97	2·18	4·14	13·09	16·73
		Protabganj...	0·14	3·29	......	0·40	......	......	0·29	4	4·12	?	9·27	?	24·75	?
	Durbhunga ...	Tajpore ...	2·57	1·35	2·40	......	......	0·04	......	3	6·36	2·60	8·02	4·38	23·04	14·06
		Durbhunga ...	0·32	0·48	1·12	0·11	......	......	......	4	2·03	2·30	5·58	4·80	13·76	16·23
		Madhubani ...	1·02	1·27	0·30	......	......	......	......	3	2·59	2·29	4·05	4·18	15·37	16·60
		Bahera ...	1·21	1·20	1·17	0·33	......	......	......	4	3·91	?	6·87	?	16·00	?
		Roshera ...	0·10	0·12	0·09	......	......	......	......	2	0·31	?	2·11	?	7·17	?
	Mozufferpore	Sitamarhi ...	......	2·58	1·32	0·04	......	1·02	......	3	4·96	2·30	5·81	4·93	27·48	15·16
		Mozufferpore	0·47	0·52	2·56	......	......	......	......	3	3·55	2·56	6·70	4·43	13·37	14·90
		Hajipore ...	0·50	2·46	0·16	0·05	......	......	......	3	3·17	2·44	3·08	4·17	16·01	13·34
		Paru ...	0·50	1·15	......	......	......	......	......	2	1·65	?	6·80	?		?
		Mahua ...	0·70	0·44	......	......	......	......	......	2	1·14	?	4·75	?	12·30	?
		Bhahar ...	0·35	0·65	2·10	......	......	......	......	3	3·10	?	5·35	?	12·63	?
		Pupri ...	2·24	0·92	......	......	......	......	......	2	3·16	?	7·46	?	16·34	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 11th of July 1891—concld.

Meteorological division.	District.	Station.	Rainfall.							Total—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
			Sunday, 5th July.	Monday, 6th July.	Tuesday, 7th July.	Wednesday, 8th July.	Thursday, 9th July.	Friday, 10th July.	Saturday, 11th July.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
NORTH BEHAR—concluded.	Chumparun ...	Motihari ...	1·09	0·08	0·64	......	......	......	......	3	2·71	2·39	4·01	4·67	18·41	15·11
		Bettiah ...	0·03	0·01	2·60	......	......	0·01	......	2	3·35	3·41	4·94	5·39	16·31	16·43
		Bagaha ...	2·72	1·90	1·74	......	......	......	......	3	6·36	?	8·37	?	32·73	?
		Burhurwa ...	0·50	0·96	1·15	......	......	......	......	3	2·61	?	3·92	?	17·31	?
	Sarun ...	Gopalgunge ...	......	1·97	3·35	......	......	......	......	2	5·32	2·63	6·67	4·76	20·50	13·90
		Sewan ...	1·13									2·22		3·87		13·27
		Chuprah ...	......	0·52	......	......	......	......	......	1	0·52	2·51	1·61	4·64	7·40	12·66
SOUTH BEHAR	Shahabad	Buxar ..	......	0·02	0·16	......	......	0·02	......	1	0·20	2·29	0·81	3·80	3·31	10·29
		Dehree ...	0·45	0·47	......	......	......	0·37	......	3	1·29	2·24	2·59	3·40	7·45	10·26
		Bhaboosh ...	0·26	0·40	......	......	......	0·30	......	3	0·96	2·03	[illegible]	4·44	2·95	10·06
		Sasseram ...	......	0·15	......	......	......	0·37	......	2	0·52	2·42	1·18	3·90	5·95	10·31
		Arrah ...	0·02	1·20	......	......	......	......	......	1	1·22	2·20	2·15	3·94	10·76	12·20
		Mohaniah ...										?		?		?
	Gya ..	Aurungabad...	1·15	0·20	......	......	......	0·72	......	3	2·07	2·32	4·37	3·04	9·58	11·04
		Gya ...	2·08	0·12	......	......	0·07	0·46	......	3	2·73	2·23	4·39	3·61	11·03	12·03
		Nowadah ...	1·89	0·81	......	0·08	0·19	......	......	3	2·97	2·23	6·95	3·62	16·70	12·13
		Johanabad ...	1·53	3·00	......	0·28	......	......	......	3	4·81	2·84	7·32	4·19	13·00	11·77
		Arwal ...	......	1·60	0·65	......	......	......	......	2	2·25	?	3·25	?	6·03	?
		Daudnagar ...	0·44	0·35	0·33	......	......	......	......	3	1·12	?	1·27	?	3·97	?
		Sherrghatti ..	......	1·7								?		?		?
		Rajauli .	1·48	1·11	......	0·33	......	......	......	3	2·92	?	5·56	?	17·16	?
		PakriBarawan	......	2·10	0·22	......	......	......	......	2	2·32	?	4·27	?	10·07	?
	Patna ...	Patna ...	......	1·30	......	0·85	......	......	......	2	2·05	3·09	2·92	3·76	15·46	13·51
		Dinapore ...	......	1·34	......	0·09	......	......	......	1	1·43	2·33	1·85	3·95	18·14	12·88
		Behar ...	0·08	3·70	......	......	0·20	0·13	......	3	4·11	2·23	11·05	3·80	19·46	13·29
		Barrh ...	0·12	4·00	0·30	0·10	......	......	......	4	4·52	2·38	5·55	4·14	19·33	12·10
		Bickram ...	......	1·85	......	0·05	0·03	0·32	......	2	2·25	?	2·94	?	13·31	?
		Hilsa ...	......	3·06	......	......	......	0·30	......	2	3·36	?	4·55	?	20·06	?
	Monghyr ...	Bogooserai ...	1·70	0·90	0·24	......	......	......	......	3	2·84	1·62	3·23	3·00	11·65	12·37
		Monghyr ...	......	1·08	0·39	......	......	......	......	2	1·47	1·88	3·01	3·32	14·76	13·15
		Jamui ...	2·28	1·61	0·70	......	0·67	......	......	4	5·26	2·41	5·46	3·07	14·72	12·92
		Gogri ...	......	1·87	0·76	......	......	......	......	2	2·63	?	3·80	?	21·34	
		Sheikpura ...	......	2·39	1·40	......	......	......	......	2	3·70	?	6·60	?	18·14	?
	South Bhagulpore	Bhagulpore...	1·20	2·72	0·54	......	......	......	......	3	4·20	2·09	7·74	3·27	13·78	13·52
		Banka ...	1·40	2·40	0·16	......	0·17	......	......	4	4·13	1·83	5·42	3·42	17·61	13·82
		Kolgong ...	1·45	1·47	0·18	......	......	......	......	3	3·10	?	6·78	?	16·97	?
		Bangaon ...	1·97	0·85	0·80	......	......	......	......	3	3·62	?	6·07	?	15·17	?
	Sonthal Pergunnahs.	Rajmehal ...	1·37	0·09	......	......	......	......	0·26	2	1·72	2·89	5·52	5·17	18·63	16·63
		Godda ...	1·10	1·32	0·32	......	......	......	......	3	2·74	2·29	6·12	3·60	14·55	13·78
		Pakour .	0·08	0·37	......	......	......	......	0·02	1	0·47	2·73	1·18	4·65	15·02	19·63
		Nya Doomka	0·22	2·27	0·02	......	0·01	0·06	0·03	2	2·61	4·20	4·12	5·85	16·31	18·60
		Deoghur ...	1·12	0·63	0·03	0·10	0·14	0·39	......	5	2·41	2·32	3·95	3·75	11·26	15·62
		Jamtara ...	0·03	1·82	0·05	......	......	0·25	......	2	2·15	2·95	2·54	4·10	17·33	15·46
		Mohayama ...										?		?		?
		Namthat ...	1·07									?		?		?
CHOTA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*). ...	2·07	1·65	......	0·42	......	......	......	3	4·14	3·15	4·14	4·54	15·12	15·11
		Hazaribagh ...	2·22	1·13	......	0·25	......	0·09	......	3	3·69	2·47	5·49	4·01	13·78	14·52
		Semtagurah ...	2·67	......	0·90	......	0·30	......	......	3	3·87	2·50	4·27	3·75	10·32	14·76
		Mahudi Hills										2·12		4·05		14·30
		Jhoomra Hills										3·10		4·88		18·08
		Barhi ...	0·14	1·93	0·27	0·07	0·03	......	......	3	2·44	?	4·30	?	12·80	?
		Chatra ...	1·33	0·68	......	0·16	......	......	......	3	2·17	?	3·60	?	0·53	?
		Karagdeha ...	0·17	1·90	......	......	1·47	......	......	3	3·54	?	6·50	?	17·70	?
		Ramghar ...	0·40									?		?		?
	Lohardugga ...	Lohardugga...										3·25		4·18		15·15
		Ranchi ...	1·28	0·96	0·14	......	......	......	......	3	2·38	2·53	2·58	3·90	9·26	15·05
		Palamow ...	......	0·65	......	0·08	1·15					3·21		4·71		12·64
		Silli ...	0·20	0·70	......	......	......	1·10	......	3	2·00	?	2·05	?	9·20	?
		Balumat ...	4·54	......	0·12	0·25	0·25	......	......	4	5·16	?	8·26	?	11·60	?
		Hosseinabad										?		?		?
		Garwah ...	......	1·97	......	0·20	......	1·33				?		?		?
	Singbhoom ...	Chyebassa ...	0·73	......	......	......	0·75	......	......	2	1·48	2·82	2·35	3·98	9·57	15·40
		Chakradharpore.										?		?		?
		Ghatsilla ...	0·50	......	......	......	0·20	......	......	2	0·70	?	2·20	?	15·02	?
		Baharagura	0·50									?		?		?
	Manbhoom ...	Purulia ...	......	2·07	......	......	......	......	......	1	2·07	3·03	5·25	4·29	17·75	15·63
		Gobindpore ...	0·56	1·42	0·09	0·16	0·03	0·23	......	4	2·49	2·82	5·58	4·06	11·89	13·63
		Raghunathpore.	1·60	1·23	......	......	......	......	......	2	2·83	?	6·56	?	16·42	?
		Burrabhoom	3·00	0·20	......	......	0·53	......	......	3	3·73	?	4·53	?	13·38	?
		Jhalda ...	......	1·22	......	......	......	......	0·11	2	1·33	?	4·08	?	11·75	?
		Chas ...	1·85	0·81	......	0·08	0·38	......	......	3	3·12	?	3·67	?	15·11	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 14*th July* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 11TH OF JULY 1891.

On the last day of the previous week it was reported that a very feeble area of low pressure had commenced to form in the middle of the province near Berhampore and Furreedpore, and that the winds generally showed a distinct tendency to cyclonic circulation round this centre. Thus conditions had become decidedly favourable for moderate to heavy rainfall over the whole province. On the 5th of July, or the first day of the present week, pressure had fallen rapidly over the whole province, the fall in North Bengal and Behar equalling a tenth of an inch, while in the southern districts it was not more than three or four-hundredths of an inch. The lowest pressures on this day were reported from Rampore Beauleah, Bhagulpore, and Dinagepore, and thus the feeble low-pressure area had advanced in a northerly direction in the twenty-four hours from the 4th to the 5th. Winds continued to show a feeble cyclonic circulation with a centre near Bhagulpore. General rainfall, in many cases of large amounts, was reported over the whole province on the morning of the 5th, the rainfall being lightest and most local in Orissa; falls in excess of four inches were on this day registered at Jehanabad, Burdwan, Kotalpore, Harishpore, Dacca, Naraingunge, Kishoregunge, Gajol, and Balumat, while falls in excess of two and three inches were very numerous. On the 6th a rather large fall of pressure had taken place at Dhubri and Rungpore, while elsewhere the falls were smaller, and in some cases pressure was rising. The area of low pressure was not so well defined on this day, but it appears to have advanced over the west of Assam, and the lowest pressure was reported at Dhubri. The feeble cyclonic circulation of winds had quite disappeared and south-westerly and westerly winds had set in at almost all stations, except in Assam, where winds were north-eastorly. Again, on the morning of the 6th moderate to heavy rain was reported from almost every station in the province, the falls at some of the eastern and northern stations being exceptionally large; thus Satkanya (Chittagong district) reported 9·25 inches, Rangamati 6 inches, Culna 5·20 inches, and Raigunge 5·08 inches, and there were very numerous falls in excess of two and three inches. On the 7th the depression in North-East Bengal began to fill up, the rise at Dhubri and Rungpore exceeding a tenth of an inch, and the distribution of pressure became much more normal than it had been for some days, but winds, however, continued westerly and south-westerly over practically the whole province. On the 7th again general rainfall was reported in Orissa, East and North Bengal, Assam and parts of Behar, but the falls elsewhere were more local. Dhubri on this day reported 6·32 inches of rain, Bhowanigunge received 7·23 inches, Satkanya 8·44 inches, Rungpore 5·33 inches, Debigunge 5·40 inches, Ulipore 4·98 inches, and Bagdogra 4·78 inches. On the 8th the variations of pressure were small, and pressure continued generally rather largely in defect of the normal, while winds were also unchanged. Rain was received in almost the same districts as on the 7th, but the falls commenced to fall off in heaviness in all districts except East and North Bengal, where Dinhatta and Cooch Behar received between six and seven inches, Bagdogra more than five, and Satkanya a fall of no less than 14·63 inches. On the 9th the only change of importance was that pressure had fallen at the eastern stations, rather intensifying the defect over this area, and rainfall on this day became rather local, and in many cases much lighter, in all districts except North Bengal and Assam, and no exceptionally heavy falls were registered on this day. On the 10th conditions began to change more rapidly, and pressure fell in some cases in the centre and west of the province by almost a tenth of an inch. Winds therefore began to change also, and easterly winds commenced to set in at the eastern stations. On the 11th pressure had risen over the whole of Bengal, except at Saugor Island and the Orissa stations, and the lowest pressure in the province was reported at Saugor Island. A distinct cyclonic circulation of winds also set up round the north-west angle of the Bay, pointing to the existence of a slight depression over this area, and the depression, though in itself of little importance, was the centre of the wind circulation of the whole province, and winds, which on the 10th had been westerly and south-westerly over almost the whole province, became suddenly easterly and south-easterly. The amount of rainfall reported on the 10th and 11th, however, was generally small except in the districts in and near the hills of North Bengal.

In the Bay for almost the whole week the monsoon winds have been blowing decidedly strongly, the force amounting almost to a gale of wind on some days. It would, however, still appear that the wind directions continue to be rather more westerly than usual, and almost throughout the week heavy rain has been falling at the Burma stations.

Pressure—Has been unusually low almost throughout the week, and the mean pressure has been generally more than a tenth of an inch in defect. From the existence of the depression in the north of the province during a part of the week, that area has shewn pressure even more largely in defect of the normal than the remainder of the province, and thus the defect is from 0·16″ to 0·18″ at such stations as Dinagepore, Rungpore, Julpigoree, Sibsagar, and Dhubri; while, on the other hand, the defects in Orissa have been small, and at False Point and Cuttack they are less than a twentieth of an inch.

Temperature—Owing to the heavy rainfall in the early part of the week, temperature became decidedly low, and the mean temperature for the week has been in distinct defect of the normal in Orissa and South-West, East and North Bengal, though it has been in slight excess in North Behar and Chutia Nagpur. In South Behar the excess has been rather larger, and equals 2·5°. For the whole province the mean temperature for the week has been absolutely normal. In Assam a defect of 0·6° has been registered.

Rainfall—For the week has been in excess of the normal in all districts except Orissa, where the fall has been not very much larger than a third the usual amount. The excess

falls have been comparatively small in Chutia Nagpur, South Behar, South-West Bengal, and North Behar, where they are less than one inch; but in East and North Bengal the falls have been about four inches in excess, or considerably more than twice the normal. Falls averaging seven inches have been received during the week in East and North Bengal, about three inches have fallen in South-West Bengal, North Behar, and Chutia Nagpur, and two and-a-half inches in South Behar. In Orissa, on the other hand, the falls have equalled only about one inch.

Exceptionally heavy falls have been received in the following districts:—Burdwan, Nuddea, Jessore, Khoolna, Chittagong, Chittagong Hill Tracts, Dinagepore, Rungpore, Julpigoree, and Cooch Behar; while very defective falls have been received in Pooree, Balasore, Midnapore, and Singbhoom.

In Assam, Dhubri during the week has received 13·45 inches, Sibsagar 6·81 inches, and Silchar 4·50 inches of rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 11th of July 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	91·9	72·6	86·5	78·0	82·3	−1·0	1·10	2·95	−1·85	2·60	3·42	−0·82	2·10	4·21	7·98	15·95
South-West Bengal ...	94·5	74·6	87·7	78·9	83·3	−0·9	3·10	2·60	+0·50	3·17	3·54	−0·37	4·24	4·17	17·45	17·61
East Bengal	89·3	74·6	84·3	77·5	80·9	−1·0	7·05	3·30	+3·75	5·08	3·90	+1·18	8·05	5·67	29·69	29·28
North Bengal	92·6	75·1	86·8	78·1	82·5	−0·8	7·30	2·89	+4·41	4·64	3·16	+1·48	9·64	5·59	27·25	29·14
North Behar	96·3	70·7	90·2	78·6	84·4	+0·5	3·25	2·49	+0·76	3·00	2·81	+0·19	5·34	4·71	18·13	16·55
South Behar	101·4	73·7	93·0	79·9	86·5	+2·3	2·42	2·34	+0·08	2·50	3·23	−0·73	4·12	3·87	13·26	13·33
Chutia Nagpur	90·7*	71·1*	85·5*	73·3*	79·4*	+0·4*	2·90	2·82	+0·08	2·73	4·08	−1·35	4·35	4·22	12·20	15·10
Assam	96·1	74·3	88·0	77·4	82·7	−0·6										

* Chyebassa not included.

Meteorological Office, Bengal,
The 14th July 1891.

A. Pedler,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 5th to 11th July 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
July ...	5th ...	29·501	83·4	88·2	9·6	78·6	80·6	79·5	·994	79·1	95	0·66
,, ...	6th ...	·501	82·1	85·9	7·6	78·3	82·4	79·5	·970	78·3	87	0·18
,, ...	7th ...	·523	84·3	91·0	13·4	77·6	84·6	80·3	·977	78·5	82	0·12
,, ..	8th ...	·523	80·9	83·9	6·1	77·8	81·6	78·5	·935	77·2	87	Nil
,, ...	9th ...	·498	82·4	87·0	9·2	77·8	83·6	79·5	·953	77·8	83	Nil
,, ...	10th ...	·445	83·4	87·0	7·2	79·8	81·1	79·5	·987	78·8	93	0·10
,, ...	11th ...	·475	84·6	90·0	10·8	79·2	86·2	80·5	·965	78·2	77	Nil

	Inches.
The mean 10 A.M. pressure of the seven days	29·495
	°
The mean temperature of the seven days	83·0
The extreme variation of temperature	13·4
The maximum temperature	91·0
The mean 10 A.M. relative humidity of the seven days	86
	Inches.
The total fall of rain from 5th to 11th July 1891	1·01

The daily mean temperatures are the crude means of maximum and minimum temperatures.

O. Little,
For Meteorological Reporter to the Govt. of India.

Meteorological Office, India,
The 13th July 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 27th June 1891

BIRTHS.

THE total births registered during the week ending with Saturday, the 27th June 1891, in twenty-seven principal towns of Bengal, amounted to 384, and correspond to an annual rate of 18·6 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 2·4 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	17·4	13·5	17·5	16·1	16·8	16·2	18·6

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

Towns.	Weeks ending—				Towns.	Weeks ending—			
	6th June 1891.	13th June 1891.	20th June 1891.	27th June 1891.		6th June 1891.	13th June 1891.	20th June 1891.	27th June 1891.
Burdwan	24·4	45·8	22·9	24·4	Naraingunj	8·3	8·3	24·8	20·7
Midnapore	18·6	17·0	10·8	18·6	Chittagong	14·1	18·8	2·3	11·7
Hughli and Chinsurah	9·8	29·5	26·3	29·5	Comillah	15·4	11·6	11·6	11 6
Serampore	21·6	23·6	11·8	21·6	Patna City	10·1	7·8	11·0	12·3
Utterpara	18·9	9·4	18·9	28·3	Gya	17·1	15·7	19·1	23·9
Howrah	16·0	17·2	16·0	11·5	Arrah	12·0	16·7	35·9	27·5
Bali	17·5	10·5	10·5	14·0	Mozufferpore	21·9	32·8	32·8	28·0
Krishnagar	24·6	15·1	13·2	11·4	Durbhanga	13·4	20·9	15·7	22·9
Ranaghat	12·0	6·0	...	6·0	Chupra	10·1	18·1	14·1	22·1
Santipore	7·0	10·5	5·2	17·5	Bhagulpore	21·3	21·3	22·1	14·5
Jessore	...	18·4	6·1	...	Monghyr	34·4	28·0	23·5	35·3
Rampore Beauleah	26·3	42·0	18·4	15·8	Purneah	10·4	...	...	3·4
Darjiling	14·8	29·6	14·8	29·6	Poori	18·9	18·9	21·0	23·1
Dacca	11·7	14·3	16·2	13·0	Total ...	16·3	18·0	17·0	18·6

It will be seen that last week the highest birth-rate was returned from Monghyr (35·3) and the lowest from Purneah (3·4). No births were registered in the Jessore town.

DEATHS.

The total deaths registered during the week under review amounted to 648, and correspond to an annual rate of 31·4 per 1,000 of the population. The rate of the week is 7·6 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	21·9	20·1	23·2	28·4	25·4	23·8	31·4

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending—				Towns.	Weeks ending—			
	6th June 1891.	13th June 1891.	20th June 1891.	27th June 1891.		6th June 1891.	13th June 1891.	20th June 1891.	27th June 1891.
Burdwan	18·3	42·7	15·3	48·8	Naraingunj	4·1	16·6	24·8	4·1
Midnapore	20·1	17·0	18·6	9·3	Chittagong	37·6	25·8	21·1	14·1
Hughli and Chinsurah	13·1	24·6	24·6	45·9	Comillah	40·2	23·1	15·4	30·8
Serampore	25·5	41·2	27·5	41·2	Patna City	15·0	14·8	19·8	27·3
Utterpara	9·4	28·3	47·2	18·9	Gya	44·4	41·0	50·6	79·9
Howrah	24·0	16·6	23·5	16·3	Arrah	21·5	21·5	27·5	28·7
Bali	10·5	7·0	10·5	21·1	Mozufferpore	20·7	28·0	25·5	21·9
Krishnagar	3·8	7·6	9·5	17·0	Durbhanga	22·0	31·5	18·9	35·4
Ranaghat	12·0	12·0	18·0	12·0	Chupra	20·2	20·1	18·1	45·8
Santipore	8·8	5·2	...	1·7	Bhagulpore	38·1	45·0	25·9	40·4
Jessore	6·1	6·1	30·6	18·4	Monghyr	20·8	27·1	24·4	34·4
Rampore Beauleah	2·6	36·8	28·9	36·8	Purneah	34·6	6 9	13·9	6·0
Darjiling	44·5	44·5	7·4	96·3	Poori	33·6	14·7	27·3	33·6
Dacca	21·4	18·8	22·1	14·3	Total ...	22·9	23·9	23·1	31·4

According to the figures returned, the highest mortality occurred in the town of Darjiling (96·3) and the lowest in Santipore (1·7).

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per *mille.*	*Fevers.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Bhagulpore ...	... 24·4	Darjiling ...	... 74·1	Gya ...	... 20·5
Chupra ...	... 18·1	Rampore Beauleah	... 31·5	Burdwan ...	... 19·8
Gya ...	... 17·8	Gya ...	... 31·4	Hughli and Chinsurah	... 14·7
Patna City ...	... 12·6	Hughli and Chinsurah	.. 27·9	Chupra ...	... 13·1
Howrah ...	... 3·4	Comillah ...	... 27·0		

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 6·9 from cholera, against 4·4 in the preceding week; ·7 from small-pox, against ·4; 12·5 from fever, against 8·7; 3·2 from dysentery and diarrhœa, against 1·9; ·5 from injury, against the same ratio; and 7·6 from other causes, against 7·2 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows :—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	31·5	Christians ...	37·4	Under 1 year	... 231·3
Females	31·3	Hindus ...	32·4	1 and under 5 years	... 55·9
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	100	Mahomedans ...	29·0	5 „ 10 „	... 24·2
				10 „ 15 „	... 19·2
				15 „ 20 „	... 20·4
				20 „ 30 „	... 15·8
				30 „ 40 „	... 15·6
				40 „ 50 „	... 23·0
				50 „ 60 „	... 34·5
				60 years and upwards	... 68·1

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 13*th July* 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 27th June 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
					NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.				Disease. DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.								Sex. DEATHS.		RATIO PER 1,000 OF POPULATION PER ANNUM.		
		Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	11	5	*16*	16·8	7·6	*24·4*	220	3	...	13	2	1	13	*32*	4·6	...	19·8	3·1	1·5	19·8	*48·8*	15·3	20	12	57·6	39·0	147
Midnapore ...	Midnapore ...	16,927	16,633	33,560	7	5	*12*	10·8	7·7	*18·6*	140	...	1	1	1	1	2	*6*	...	1·5	1·5	1·5	1·5	3·1	*9·3*	18·6	3	3	9·2	9·4	97
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	8	10	*18*	13·1	16·4	*29·5*	80	...	...	17	2	...	9	*28*	...	...	27·9	3·3	...	14·7	*45·9*	24·6	13	15	42·6	49·3	86
Serampore ...	Serampore ...	13,559	12,937	26,496	7	4	*11*	13·7	7·9	*21·6*	175	1	...	10	4	1	5	*21*	1·9	...	19·6	7·9	1·9	9·8	*41·2*	27·5	14	7	53·7	28·1	191
	Utterpara ...	3,046	2,464	5,510	1	2	*3*	9·4	18·9	*28·3*	50	...	...	1	...	...	1	*2*	...	...	9·4	...	...	9·4	*18·9*	47·2	1	1	17·1	21·1	81
Howrah ...	Howrah	53,153	37,660	90,813	13	7	*20*	7·4	4·0	*11·5*	185	6	...	11	4	...	11	*32*	3·4	...	6·3	2·3	...	6·3	*18·3*	23·5	20	12	19·6	16·6	118
	Bali	7,836	6,979	14,815	1	3	*4*	3·5	10·5	*14·0*	33	...	...	2	2	...	2	*6*	...	...	7·0	7·0	...	7·0	*21·1*	10·5	2	4	13·3	29·8	44
Nuddea ..	Krishnagar ...	13,263	14,214	27,477	3	3	*6*	5·7	5·7	*11·4*	100	1	...	4	...	...	4	*9*	1·9	...	7·5	...	...	7·5	*17·0*	9·5	5	4	19·6	14·6	134
	Ranaghat ...	4,028	4,635	8,663	1	...	*1*	6·0	...	*6·0*	No female birth.	...	...	1	...	...	1	*2*	...	...	6·0	...	...	6·0	*12·0*	18·0	1	1	12·9	11·2	115
	Santipore ...	13,708	15,979	29,687	4	6	*10*	7·0	10·5	*17·5*	66	...	...	1	...	...	...	*1*	...	...	1·7	...	...	...	*1·7*	...	1	...	3·8	...	No female death.
Jessore ...	Jessore	4,830	3,665	8,495	...	...	...	...	...	...	...	...	...	2	...	...	1	*3*	...	...	12·2	...	...	6·1	*18·4*	30·6	2	1	21·5	14·2	151
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	3	3	*6*	7·9	7·9	*15·8*	100	...	...	12	...	1	1	*14*	...	...	31·5	...	2·6	2·6	*36·8*	25·9	9	5	43·5	28·8	151
Darjiling ...	Darjiling	4,579	2,439	7,018	2	2	*4*	14·8	14·8	*29·6*	100	...	...	10	3	...	...	*13*	...	...	74·1	22·2	...	...	*96·3*	7·4	6	7	68·1	149·2	45
Dacca ...	Dacca	42,782	37,379	80,161	9	11	*20*	5·8	7·1	*13·0*	81	3	...	7	3	...	9	*22*	1·9	...	4·5	1·9	...	5·8	*14·3*	22·1	12	10	14·6	13·9	109
	Narainganj ...	7,605	4,956	12,561	4	1	*5*	16·6	4·1	*20·7*	400	...	...	1	...	...	...	*1*	...	...	4·1	...	...	...	*4·1*	24·8	1	...	6·8	...	No female death.
Chittagong ...	Chittagong ...	13,340	8,790	22,130	2	3	*5*	4·7	7·0	*11·7*	66	1	1	3	...	...	1	*6*	2·3	2·3	7·0	...	...	2·3	*14·1*	21·1	5	1	19·5	5·9	330
Tipperah ...	Comillah	8,153	5,353	13,506	1	2	*3*	3·8	7·7	*11·6*	50	...	...	7	...	...	1	*8*	...	...	27·0	...	...	3·8	*30·8*	15·4	4	4	25·5	38·9	65
Patna	Patna City ...	75,762	81,475	160,237	26	12	*38*	8·4	3·9	*12·3*	216	39	3	23	7	1	11	*84*	12·6	1·0	7·5	2·3	·3	3·6	*27·3*	19·5	37	47	24·4	30·0	81
Gya	Gya	38,290	37,831	76,121	19	16	*35*	13·0	10·9	*23·9*	118	26	3	46	12	...	30	*117*	17·8	2·0	31·4	8·2	...	20·5	*79·9*	50·6	60	57	81·5	78·3	104
Shahabad ...	Arrah	23,[illegible]	22,[illegible]	45,465	12	11	*23*	14·3	13·2	*27·5*	109	2	...	12	2	3	5	*24*	2·4	...	14·3	2·4	3·6	6·0	*28·7*	27·5	17	7	42·2	16·2	260
Mozufferpore..	Mozufferpore ..	23,054	19,658	42,742	11	12	*23*	13·4	14·6	*28·0*	91	1	2	5	4	1	5	*18*	1·2	2·4	6·1	4·9	1·2	6·1	*21·9*	25·5	8	10	15·0	24·5	67
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	17	12	*29*	13·4	9·4	*22·8*	141	3	3	20	7	...	12	*45*	2·4	2·4	15·7	5·5	...	9·4	*35·4*	18·9	23	22	35·4	35·4	100
Sarun	Chupra	25,116	26,554	51,670	9	13	*22*	9·0	13·1	*22·1*	69	18	2	9	2	1	13	*45*	18·1	2·0	9·0	2·0	1·0	13·1	*45·3*	18·1	23	22	47·6	43·1	110
Bhagulpore ...	Bhagulpore ..	34,916	33,322	68,238	10	9	*19*	7·6	6·9	*14·5*	111	32	...	13	5	...	3	*53*	24·4	...	9·9	3·8	...	2·3	*40·4*	25·9	23	30	34·3	45·8	73
Monghyr ..	Monghyr ...	28,154	29,366	57,520	20	19	*39*	18·1	17·2	*35·3*	105	3	...	18	6	1	10	*38*	2·7	...	16·3	5·4	·9	9·0	*34·4*	24·4	21	17	38·8	30·1	128
Purneah ...	Purneah ...	8,463	6,553	15,016	1	...	*1*	3·4	...	*3·4*	No female birth.	...	...	1	...	...	1	*2*	...	...	3·4	...	...	3·4	*6·9*	13·9	1	1	6·1	7·9	77
Poori	Poori	13,247	11,537	24,784	6	5	*11*	12·6	10·5	*23·1*	120	3	...	7	1	...	5	*16*	6·3	...	14·7	2·1	...	10·5	*33·6*	27·3	5	11	10·6	19·6	39
	Total .	555,262	516,[illegible]	1,072,559	208	176	*384*	10·1	8·5	*15·6*	115	152	17	257	67	11	176	*648*	6·9	·7	12·5	3·2	·5	7·6	*31·4*	33·1	337	311	31·5	31·3	100

MORTALITY ACCORDING TO—

Class. (Columns 13 and 14)

Districts.	Names of Municipalities.	13. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	14. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan ...	Burdwan	...	22	10	...	...	...	48·3	50·7	...	...
Midnapore ...	Midnapore ..	1	4	1	...	...	233·2	8·0	7·2	...	...
Hughli ...	Hughli and Chinsurah	...	23	5	...	...	...	47·3	42·2	...	...
Serampore ...	Serampore ...	...	16	5	...	...	...	33·0	277·2	...	...
	Utterpara	...	2	...	...	...	...	19·5	...	...	...
Howrah ..	Howrah	...	23	9	...	...	...	17·5	22·8	...	...
	Bali	...	6	...	...	...	...	23·3	...	...	...
Nuddea ...	Krishnagar ...	1	6	2	...	...	91·7	16·7	12·6	...	...
	Ranaghat	...	2	...	...	...	...	14·2	...	...	..
	Santipore	...	1	...	...	...	..	2·5	...	...	...
Jessore ...	Jessore	...	1	2	...	...	..	11·5	27·2	...	...
Rajshahye ...	Rampore Beauleah	...	6	8	...	...	...	31·5	42·4	...	...
Darjiling ...	Darjiling	...	10	3	...	...	...	113·2	254·9	...	...
Dacca	Dacca	1	15	6	...	...	109·5	19·4	7·9	...	...
	Narainganj ...	...	...	1	...	...	...	...	8·4	...	...
Chittagong ...	Chittagong ..	...	...	6	...	...	...	...	20·4	...	...
Tipperah ...	Comillah	...	4	4	...	...	...	35·0	28·1	...	...
Patna	Patna City ...	...	61	23	...	...	...	26·7	29·2	...	...
Gya	Gya	...	97	20	...	...	...	84·0	64·7	...	...
Shahabad ...	Arrah	...	12	12	...	...	...	20·1	50·3	...	...
Mozufferpore ...	Mosufferpore ...	1	13	5	...	...	223·2	20·8	20·8	...	...
Durbhanga ...	Durbhanga ...	...	31	14	...	...	...	33·3	41·4	...	...
Sarun	Chupra	1	41	3	...	...	456·0	53·8	13·1	...	...
Bhagulpore ...	Bhagulpore ...	...	36	17	...	...	...	38·3	46·9	...	...
Monghyr ...	Monghyr	...	31	7	...	...	...	36·1	29·0	...	...
Purneah ...	Purneah	...	...	2	...	...	...	...	18·4	...	...
Poori ...	Poori	...	16	...	...	...	...	33·9	...	...	...
	Total ...	5	478	165	...	...	37·4	32·4	29·0	...	...

Age. (Columns 15 and 16)

Districts.	Names of Municipalities.	15. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	12	1	...	...	1	6	4	1	3	4	945·5	23·0	...	...	16·6	39·4	30·2	11·8	63·5	140·4
Midnapore ...	Midnapore ..	...	2	...	1	...	1	...	...	1	1	...	41·2	...	17·1	...	7·1	...	...	25·2	28·4
Hughli ...	Hughli and Chinsurah	6	4	2	3	2	1	4	4	...	2	388·5	93·7	36·0	62·9	41·4	8·4	36·4	49·9	...	50·2
Serampore ...	Serampore ...	2	1	1	2	1	1	2	5	2	4	146·5	28·8	20·7	46·8	23·8	9·7	20·9	77·1	54·3	149·5
	Utterpara	...	2	...	...	..	...	...	...	...	...	...	247·0	...	...	...	...	...	...	...	...
Howrah ..	Howrah	9	2	2	...	...	3	4	5	3	4	226·9	18·3	16·5	...	...	6·9	10·8	22·1	28·4	55·5
	Bali	2	1	...	...	...	...	1	...	2	...	287·3	52·1	...	...	...	...	18·6	...	99·2	...
Nuddea ...	Krishnagar ...	2	...	1	1	...	1	1	2	...	1	209·7	...	15·1	18·5	...	10·8	12·1	31·9	...	30·1
	Ranaghat	...	...	...	...	...	2	...	...	...	..	...	...	...	...	...	69·0	...	...	...	...
	Santipore	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	26·5
Jessore ...	Jessore	...	...	1	...	1	...	1	...	...	...	...	...	65·6	...	71·0	...	34·0	...	...	...
Rajshahye ...	Rampore Beauleah	1	...	...	1	1	3	1	1	5	1	128·1	...	...	28·9	31·3	37·5	14·4	21·2	209·5	54·0
Darjiling ...	Darjiling	1	6	1	2	...	...	1	1	1	...	429·8	485·2	88·9	213·1	...	...	36·3	75·1	213·1	...
Dacca	Dacca	4	5	...	2	1	1	3	...	...	6	109·6	35·3	...	13·1	7·1	3·4	13·4	...	...	56·0
	Narainganj ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	79·8
Chittagong ...	Chittagong ..	...	2	...	...	1	...	...	2	...	1	...	52·9	...	...	21·5	...	...	46·1	...	65·3
Tipperah ...	Comillah	2	1	2	...	...	1	...	...	...	2	350·2	39·8	63·9	...	...	18·8	...	...	...	153·4
Patna	Patna City ...	11	22	5	4	7	7	4	5	9	10	132·7	78·4	15·4	14·4	32·6	12·6	8·9	13·8	33·1	37·7
Gya	Gya	10	13	15	7	2	15	9	14	16	16	290·5	106·4	111·5	54·1	19·9	53·0	36·8	74·5	126·6	161·6
Shahabad ...	Arrah	8	3	5	...	1	...	1	2	...	4	323·0	35·2	50·7	...	16·2	...	8·1	22·2	...	72·1
Mozufferpore ...	Mosufferpore ...	4	3	...	...	1	2	3	4	...	1	217·8	38·6	...	...	17·2	12·1	22·4	41·5	...	21·4
Durbhanga ...	Durbhanga ...	7	12	4	1	3	3	6	3	1	5	233·8	82·0	26·6	9·4	38·8	11·7	28·0	21·0	11·9	81·4
Sarun	Chupra	5	8	3	4	3	4	2	1	4	11	184·3	80·4	26·2	41·5	44·9	22·6	13·4	8·6	50·3	168·1
Bhagulpore ...	Bhagulpore ...	10	7	8	8	5	6	1	2	1	5	362·4	56·1	58·9	57·2	52·6	23·9	4·7	13·6	10·3	60·4
Monghyr ...	Monghyr	15	4	1	...	...	6	5	2	2	3	523·3	33·4	7·4	...	...	30·2	29·1	16·3	26·2	43·5
Purneah ...	Purneah	1	...	...	...	...	...	...	...	...	1	183·7	...	...	...	...	...	...	...	..	64·4
Poori ...	Poori	2	2	1	...	2	2	...	2	2	3	343·2	57·9	23·2	...	55·9	19·7	...	31·3	46·6	86·4
	Total ...	114	101	52	36	32	65	53	56	52	57	231·3	55·9	24·2	19·2	20·4	15·8	15·6	23·0	34·5	68·1

Office of Sanitary Commissioner for Bengal,
The 13th July 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract Statement showing Tollage on Canals in Bengal classed as Minor Works and Navigation for the month of April 1891, *as compared with that of the corresponding month of the previous year.*

Canals.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals.	21,865	11	6	21,865	11	6	15,786	1	3	15,786	1	3
Tolly's Nullah ...	10,653	4	3	10,653	4	3	8,481	10	9	8,481	10	9
Total ...	32,518	15	9	32,518	15	9	24,267	12	0	24,267	12	0
Orissa Coast Canal ...	6,474	9	9	6,474	9	9	6,173	10	9	6,173	10	9
Nuddea Rivers ...	8,994	11	6	8,994	11	6	6,375	11	0	6,375	11	0
Grand Total ...	47,988	5	0	47,988	5	0	36,817	1	9	36,817	1	9

Calcutta,
The 14*th July* 1891.

G. A. G. Shawe,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 11*th July* 1891, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 11th July 1891.			Week ending Saturday, the 12th July 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	287	64,775	1,062	287	53,950	653
Jute	20	10,675	215	7	3,350	57
Firewood	78	50,325	775	70	39,875	548
Other articles	672	1,85,360	2 569	722	1,53,375	1,869
Total ...	1,057	3,11,135	4,621	1,086	2,50,550	3,127

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the five weeks ending 30th May 1891, as compared with the same period of 1890.

Staples.	1890. Weight.	1890. Freight.	1891. Weight.	1891. Freight.	Increase. Weight.	Increase. Freight.	Decrease. Weight.	Decrease. Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Coke	2,30,267	35,183	2,10,554	30,107	......	......	19,713	5,076
Cotton, raw	63,246	63,258	43,070	39,255	......	......	22,276	24,003
Cotton twist and yarn—								
1.—European	8,546	10,318	7,305	9,518	......	......	1,241	800
2.—Indian	17,999	11,163	21,252	12,875	3,253	1,712	......	......
Cotton piece-goods—								
1.—European	2,02,007	2,19,131	2,27,822	2,56,160	25,815	37,029	......	......
2.—Indian	19,452	13,097	25,638	14,035	6,186	938	......	......
Drugs and Chemicals—								
1.—Intoxicating other than opium	1,119	650	1,245	662	126	12	......	......
2.—Non-intoxicating	2,749	2,376	12,725	11,631	9,976	9,255	......	......
Dyes and Tans—								
1.—Indigo	373	389	445	352	72	......	......	37
2.—Myrabolams	14,798	3,958	7,839	2,322	......	......	6,959	1,636
3.—Aniline dyes	......	......	377	321	377	321	......	......
4.—Kutch	......	......	5,918	1,963	5,918	1,963	......	......
5.—Paints and colours	2,756	2,632	12,932	3,482	10,176	850	......	......
6.—Others	12,551	5,270	11,106	3,888	......	......	1,445	1,382
Grains—								
1.—Wheat	8,63,060	2,19,460	28,51,853	7,81,071	19,88,793	5,61,611	......	......
2.—Rice	4,43,595	76,302	7,13,259	1,40,326	2,69,664	64,024	......	......
3.—Jawar and bajra	......	......	1,905	187	1,905	187	......	......
4.—Gram	......	......	1,06,949	21,767	1,06,949	21,767	......	......
5.—Indigo seed	11,983	3,371	10,195	2,798	......	......	1,788	573
6.—Seeds other than oil-seeds	71,383	28,342	66,076	29,823	......	1,481	5,307	......
7.—Others	5,43,244	1,40,771	4,23,030	99,700	......	......	1,20,214	41,071
Hides and Skins—								
1.—Hides of cattle	23,629	12,668	30,652	18,891	7,023	6,223	......	......
2.—Skins of sheep, &c.	12,464	5,808	13,211	7,425	747	1,617	......	......
Horns	1,596	1,154	2,236	1,272	640	118	......	......
Jute—								
1.—Raw	11,695	1,338	26,405	6,439	14,710	5,101	......	......
2.—Gunny-bags and cloth	1,06,206	54,275	2,31,462	1,28,018	1,25,256	73,743	......	......
Lac—								
1.—Stick	16,678	5,424	32,874	10,227	16,196	4,803	......	......
2.—Shell lac	10,243	8,113	20,771	16,395	10,528	8,282	......	......
Leather—								
1.—Unmanufactured	1,294	2,724	1,555	3,126	261	402	......	......
2.—Manufactured	2,328	2,988	4,429	4,599	2,101	1,611	......	......
Liquors—								
1.—Beer	5,586	4,887	10,595	6,230	5,009	1,343	......	......
2.—Wines	4,014	7,173	2,3 3	4,073	471	....	......	412
3.—Spirits			2,162	2,688				
Metals—								
1. Copper, unwrought	28,311	18,020	6,456	6,753	......	......	3,574	2,353
2.—Brass, unwrought			2,415	1,155	......	......		
3.—Brass and copper wrought			15,866	7,759	......	......		
4.—Iron	3,57,767	1,88,503	2,40,436	98,924	......	......	1,17,331	89,580
5.—Tin	2,207	2,744	4,802	3,787	2,595	1,043	......	......
6.—Others	5,483	3,715	12,055	8,526	6,572	4,811	......	......
Oils—								
1.—Castor	68,756	25,787	3,624	1,116	10,227	9,431	......	......
2.—Kerosine			59,753	29,169				
3.—Others			13,606	4,933				
Oil-seeds—								
1.—Linseed	8,02,995	2,33,231	10,86,537	3,28,930	2,83,542	95,699	......	......
2.—Rape and mustard	2,25,483	50,272	3,20,919	71,329	95,436	21,057	......	......
3.—Til or jinjili	14,648	3,373	29,787	6,710	15,139	3,337	......	......
4.—Castor	2,01,309	53,567	1,11,473	28,884	39,740	19,164	......	......
5.—Poppy			1,23,318	42,666				
6.—Others			6,258	1,181				
Opium	48,965	31,119	56,240	33,485	7,275	2,366	......	......
Paper and paste board	7,503	4,470	13,496	7,479	5,993	3,009	......	......
Provisions—								
1.—Ghee	33,995	22,501	27,399	22,789	....	288	6,596	......
2.—Dried fruits and nuts	24,299	20,003	29,624	29,465	5,325	9,462	......	......
3.—Cocoanuts	3,966	2,193	5,580	3,570	1,614	1,377	......	......
4.—Turmeric	18,032	14,212	28,061	28,877	10,029	14,665	......	......
5.—Others	45,948	24,764	62,967	25,391	17,019	627	......	......
Salt	7,72,214	1,63,879	7,54,544	1,41,547	......	......	17,670	22,332
Saltpetre, &c.—								
1.—Saltpetre	69,722	30,760	79,895	33,599	10,173	2,839	......	......
2.—Borax	447	230	1,238	829	791	599	......	......
3.—Other saline substances	21,153	6,414	45,473	13,013	24,320	6,599	......	......
Silk, raw—								
1. Foreign	1,798	1,308	7	9	605	335	......	......
2. Indian			2,396	1,624				
Silk Piece-goods—								
1.—Foreign	19	50	31	48	12	......	......	2
2.—Indian	579	674	510	711	......	37	69	......
Spices—								
1.—Pepper	21,896	15,122	5,469	5,596	3,184	1,686	......	......
2.—Other			19,611	11,212				
Sugar—								
1.—Drained	1,89,244	33,445	70,081	24,729	......	......	1,10,163	8,716
2.—Undrained	2,63,882	62,550	3,77,322	49,145	1,13,440	......	......	13,405
Stone and lime	4,00,616	56,454	5,20,086	62,201	1,19,470	5,747	......	......
Tea—								
1.—Foreign	......	......	2	1	2	1	......	......
2.—Indian	2,121	2,008	2,558	2,122	437	114	......	......
Timber, &c.—								
1.—Timber	59,053	11,289	84,931	15,710	25,878	4,421	......	......
2.—Firewood	78,045	5,363	55,725	4,173	......	......	22,320	1,190
Tobacco	1,43,625	66,337	1,48,822	61,350	5,197	......	......	4,987
Umbrellas	......	......	2,171	2,162	2,171	2,162	......	......
Wool—								
1.—Raw	3,437	3,074	1,665	1,543	......	......	1,772	1,531
2.—Piece-goods—								
a.—European	51	79	469	660	418	581	......	......
b.—Indian	1,348	1,136	2,023	2,548	675	1,412	......	......
3.—Shawls	......	......	2	1	2	1	......	......
All other articles of merchandise	5,12,171	2,09,152	6,55,137	1,51,802	1,42,966	......	......	48,350
Total	71,15,255	23,01,111	1,02,48,910	30,50,938	31,33,655	7,49,827	......	......
Military stores	28,662	35,268	31,900	45,181	3,238	9,913	......	......
Coal—								
1.—For public	33,10,381	5,42,193	42,02,606	6,98,622	8,92,225	1,56,429	......	......
2.— „ Railway	6,33,321	49,411	5,74,749	55,189	......	5,778	58,572	......
Railway Materials—								
1.—For construction and revenue	2,81,781	51,373	10,43,515	35,049	7,61,734	......	......	16,324
Live-stock—	......	3,987	......	13,268	......	9,281	......	......
Total	1,13,69,400	29,53,348	1,61,01,680	38,98,247	47,32,280	9,14,904	......	......

E. WEATHERDON, *Assistant Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, *the 7th July* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for last 10 *days of June* 1891, *on* 1,525½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	*418,499	*4,02,051 11 0	41,31,083 10	10,30,339 8 0	42,326 0 0	15,34,717 3 0	102,942	157,587½	260,529½
Or per mile of railway	......	302 14 2	.....	675 6 7	27 11 11	1,006 0 8	......	......	......
For previous 24 weeks of half-year	6,991,857	79,98,004 5 1	6,93,04,335 20	1,67,16,340 5 11	2,19,321 10 3	2,48,73,666 5 3	1,816,543½	2,619,072½	4,435,616
Total for 26 weeks ...	7,410,356	84,00,056 0 1	7,34,35,418 30	1,77,46,679 13 11	2,61,647 10 3	2,64,08,383 8 3	1,919,485½	2,776,600	4,696,145½
Comparison.									
Total for corresponding period of previous year	366,535	3,71,209 4 3	29,01,904 20	5,17,500 13 3	−64,624 4 10	8,24,085 12 8	85,214½	106,999½	192,214½
Per mile of railway corresponding period of previous year ...	......	243 5 5	......	330 3 9	−42 5 10	540 3 4	......	......	......
Total to corresponding date of previous year	7,011,875	74,85,783 7 2	6,61,47,953 10	1,54,85,702 14 1	4,41,641 1 10	2,33,63,127 7 1	1,723,143½	2,506,003½	4,229,747½

* The increase in coaching traffic is due to the period taken being one day more than in 1890 and to Snanjattra bathing festival.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for last 9 days of June 1890.			Receipts for last 10 days of June 1891.			Total receipts from 1st April 1890 to 30th June 1890.			Total receipts from 1st April 1891 to 30th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,525½	8,24,086	540	1,525½	15,34,717	1,006	1,525½	1,12,12,273	565	1,525½	1,35,71,671	684	23,59,398	......

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for last 10 *days of June* 1891, *on* 57¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	17,321	8,716 9 0	1,15,938 10	6,988 12 0	77 0 0	15,783 5 0	1,313	1,181	2,494
Or per mile of railway	303	152 6 2	2,027 0	122 2 11	1 5 6	275 14 7	......	......	......
For previous 24 weeks of half-year	*410,351	*2,24,794 6 0	†12,27,008 20	†84,248 5 0	‡1,357 9 0	3,10,400 4 0	38,604¾	19,331	57,935½
Total for 26 weeks ...	427,672	2,33,510 15 0	13,42,046 30	91,237 1 0	1,434 9 0	3,26,183 9 0	39,917¾	20,512	60,429½
Comparison.									
Total for corresponding period of previous year	14,544	6,983 4 8	1,31,195 30	4,097 8 0	685 8 3	11,710 4 11	1,495½	1,159	2,654½
Per mile of railway corresponding period of previous year ..	254½	121 8 4	2,293 30	71 10 2	11 15 9	204 13 3	......	.....	...
Total to corresponding date of previous year	354,763	1,74,240 2 2	13,40,215 10	81,549 4 0	2,340 10 8	2,58,130 0 5	40,056¼	21,046	61,102½

† Deducted maunds 89 and Rs. 6 0 0 on account of supplemental return to 31st March 1891.
* Added number of passengers 3,511 and Rs. 2,143 0 0 }
† Deducted maunds 1,192 and added „ 17 0 0 } on account of differences between the approximate and audited returns to week ended 23rd May 1891.
‡ Ditto „ 53 0 0 }

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for last 9 days of June 1890.			Receipts for last 10 days of June 1891.			Total receipts from 1st April 1890 to 30th June 1890.			Total receipts from 1st April 1891 to 30th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs	Rs.	Rs.
57¼	11,716	205	57¼	15,783	276	57¼	1,20,827	162	57¼	*1,45,505	196	24,678	......

* Added Rs. 2,107 on account of difference between the approximate and audited figures to week ended 23rd May 1891.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for last 10 *days of June* 1891, *on* 22½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	30,533	7,625 9 0	13,050 0	485 11 0	18 0 0	8,129 4 0	1,262	124	1,386
Or per mile of railway	......	......	......	......	......	......	......	......	......
For previous 24 weeks of half-year	*596,254	*1,58,748 3 0	†3,23,222 30	†11,165 14 3	‡265 8 0	1,70,179 9 3	22,494	2,432	24,926
Total for 26 weeks ...	626,787	1,66,373 12 0	3,36,272 30	11,651 9 3	283 8 0	1,78,308 13 3	23,756	2,556	26,312
Comparison.									
Total for corresponding period of previous year	28,924½	6,645 11 9	3,696 30	148 6 0	219 10 5	7,013 14 2	1,297	45	1,342
Per mile of railway corresponding period of previous year ...	......	298 10 11	......	6 10 10	9 13 11	315 3 8	......	......	......
Total to corresponding date of previous year	589,968½	1,53,958 12 0	3,86,217 20	12,013 9 0	464 7 11	1,66,486 12 11	23,827	2,745	26,082

* Added number of passengers 2,031 and Rs. 763 } on account of differences between the approximate and audited returns to week ended 23rd May 1891.
† Ditto maunds 1,096 and „ 2
‡ Deducted „ 1

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for last 10 days of June 1890.			Receipts for last 10 days of June 1891.			Total receipts from 1st April 1890 to 30th June 1890.			Total receipts from 1st April 1891 to 30th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	7,014	315	22½	......	......	22½	83,319	288	22½	...... *	......	......	......

* Added Rs. 754 on account of difference between the approximate and audited figures to week ended 23rd May 1891.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for last 10 *days of June* 1891, *on* 162 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ..	22,732	14,898 9 0	72,957 10	13,817 10 0	100 0 0	28,816 3 0	9,759	2,333½	12,092½
Or per mile of railway	......	91 15 6	......	85 4 8	0 9 11	177 14 1	......	......	......
For previous 16 weeks of half-year	*259,561	*2,05,979 6 0	†5,62,681 0	‡1,21,342 3 3	§931 0 0	3,28,252 9 3	107,100	29,323½	136,423½
Total for 18 weeks ...	282,293	2,20,877 15 0	6,35,638 10	1,35,159 13 3	1,031 0 0	3,57,068 12 3	116,859	31,657	148,516
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

§ Added maunds 1,265 and Rs. 880 on account of supplemental return to 31st March 1891.
* Deducted number of passengers 4,207 and Rs. 798 } on account of differences between the approximate and audited returns to week ended 23rd May 1891.
† Ditto maunds 10,621 and added „ 1,077
‡ Ditto „ 272

Approximate Statement of gross receipts of the Delhi-Umballa-Kalka Railway, prepared in accordance with Public Works Department Circular No. XXI Railway, dated 23rd July 1883.

Receipts for week ending 189 .			Receipts for last 10 days of June 1891.			Total receipts from 1st April 189 to 189 .			Total receipts from 1st April 1891 to 30th June 1891.			Total increase in 1891.	Total decrease in 1891.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
...	......	...	162	28,816	178	...	......	...	162	*2,65,241	126	......	......

* Added Rs. 7 on account of difference between the approximate and audited figures to week ended 23rd May 1891.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for last 10 *days of June* 1891, *on* 777 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	263,385	1,09,120 0 0	9,46,286 0	1,46,010 0 0	34,250 0 0	2,90,280 0 0	40,500	37,500	78,000
Or per mile of railway	339	140 0 0	1,218 0	189 0 0	† 20 0 0	349 0 0	......	......	......
For previous 25 weeks of half-year*	4,444,349	24,56,994 0 0	1,59,36,513 0	28,83,263 0 0	5,58,601 0 0	58,97,858 0 0	656,648	878,238	1,534,886
Total for 26 weeks ...	4,707,734	25,66,114 0 0	1,68,82,799 0	30,29,173 0 0	5,92,851 0 0	61,88,138 0 0	697,148	915,738	1,612,886
Comparison.									
Total for corresponding week of previous year	186,820	85,034 0 0	8,42,492 0	1,41,101 0 0	42,469 0 0	2,68,604 0 0	37,176	31,327	68,503
Per mile of railway corresponding period of previous year ...	245	111 0 0	1,104 0	185 0 0	† 33 0 0	329 0 0	......	......	......
Total to corresponding date of previous year	4,043,794	19,48,796 0 0	1,49,69,204 0	26,55,846 0 0	5,22,854 0 0	51,27,496 0 0	631,335	793,951	1,425,286

* Audited up to week ending 16th May 1891.
† Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for last 10 *days of June* 1891, *on* 126 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	39,666	15,040 0 0	62,134 0	4,120 0 0	550 0 0	19,710 0 0	5,600	2,800	8,400
Or per mile of railway	317	120 0 0	497 0	33 0 0	5 0 0	158 0 0	......	......	......
For previous 25 weeks of half-year*	745,823	3,14,211 0 0	16,29,780 0	98,828 0 0	1,634 0 0	4,14,673 0 0	86,343	54,439	140,782
Total for 26 weeks ...	785,489	3,29,251 0 0	16,91,914 0	1,02,948 0 0	2,184 0 0	4,34,383 0 0	91,943	57,239	149,182
Comparison.									
Total for corresponding week of previous year	31,660	11,271 0 0	30,414 0	2,713 0 0	465 0 0	14,449 0 0	4,878	2,389	7,267
Per mile of railway corresponding period of previous year ...	253	90 0 0	315 0	22 0 0	4 0 0	116 0 0	......	......	......
Total to corresponding date of previous year	722,880	2,57,470 0 0	12,96,135 0	76,487 0 0	2,011 0 0	3,35,968 0 0	94,933	51,895	146,828

* Audited up to week ending 16th May 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic last 10 *days of June* 1891, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,966	6,480 0 0	28,267 0	1,350 0 0	380 0 0	8,210 0 0	3,300	1,356	4,656
Or per mile of railway	279	75 0 0	329 0	16 0 0	4 0 0	95 0 0	......	......	......
For previous 25 weeks of half-year*	444,607	1,50,006 0 0	6,41,527 0	56,976 0 0	4,937 0 0	2,11,919 0 0	60,358	26,338	86,696
Total for 26 weeks ...	468,573	1,56,486 0 0	6,69,794 0	58,326 0 0	5,317 0 0	2,20,129 0 0	63,658	27,694	91,352
Comparison.									
Total for corresponding week of previous year	20,861	6,308 0 0	24,448 0	1,112 0 0	349 0 0	7,769 0 0	3,077	1,112	4,189
Per mile of railway corresponding period of previous year	243	73 0 0	284 0	13 0 0	4 0 0	90 0 0	......	......	......
Total to corresponding date of previous year	452,491	1,36,657 0 0	5,89,803 0	53,453 0 0	5,038 0 0	1,95,148 0 0	62,997	20,502	83,499

* Audited up to week ending 16th May 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for last 10 *days of June* 1891, *on* 27¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,940	1,900 0 0	17,615 0	970 0 0	70 0 0	2,940 0 0	750	825	1,575
Or per mile of railway	[illegible].181	70 0 0	646 0	35 0 0	3 0 0	108 0 0	......	......	.....
For previous 25 weeks of half-year*	89,576	33,399 0 0	2,55,888 0	13,708 0 0	695 0 0	47,802 0 0	13,056	11,460	24,525
Total for 26 weeks ...	94,516	35,299 0 0	2,73,503 0	14,678 0 0	765 0 0	50,742 0 0	13,806	12,294	26,100
Comparison.									
Total for corresponding week of previous year	4,378	1,714 0 0	13,861 0	692 0 0	387 0 0	2,823 0 0	305	770	1,474
Per mile of railway corresponding period of previous year ...	179	64 0 0	498 0	26 0 0	14 0 0	104 0 0	......	......	......
Total to corresponding date of previous year	91,774	33,435 0 0	3,06,633 0	18,679 0 0	2,611 0 0	54,725 0 0	14,193	12,046	26,239

* Audited up to week ending 16th May 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the last 10 *days of June* 1891, *on* 712 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 712 miles open	143,220	62,280	6,65,210	86,840	24,260	1,73,380	15,081	31,001	46,142
Or per mile of railway	201·15	87·17	934·28	121·97	34·07	243·51	......	...	......
For previous 24½ weeks of half-year	2,370,760	9,97,136	1,06,64,535	14,38,714	2,30,378	26,06,228	288,328	472,352	760,680
Total for 25½ weeks ...	2,513,980	10,59,416	1,13,29,745	15,25,554	2,54,638	*a* 28,80,608	303,409	503,413	*a* 806,822
Comparison.									
Total for corresponding week of previous year on 649 miles open	*122,999	47,088	*b* 3,74,803	26,388	84,396	1,57,872	12,362	19,145	31,507
Per mile of corresponding week of previous year	189·52	72·55	577·51	40·66	130·04	243·25	......	......	......
Total to corresponding date of previous year	*2,361,651	9,84,023	*b* 91,27,123	13,38,322	3,04,035	26,26,380	254,309	469,230	723,620

* Includes supplementary figures.
a Includes audited figures up to 11-4-91.
b Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Last 10 days of June 1891.	Last 9 days of June 1890.	Last 10 days of June 1891.	Last 9 days of June 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	30,650 0 0	21,415 0 0	31,630 0 0	25,673 0 0
Goods	47,660 0 0	—513 0 0	39,180 0 0	26,901 0 0
Other earnings	16,160 0 0	71,596 0 0	8,100 0 0	12,800 0 0
Total ...	94,470 0 0	92,498 0 0	78,910 0 0	65,374 0 0

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No. 29 of 1891.

SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, JULY 22, 1891.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

RESULTS OF EXAMINATION OF CANDIDATES FOR APPOINTMENT AS DEPUTY MAGISTRATE-COLLECTORS AND SUB-DEPUTY COLLECTORS.

RESOLUTION.

APPOINTMENT.

Calcutta, the 20th July 1891.

READ—

The Resolution of 24th April 1889, laying down the principles of recruitment for the Subordinate Executive Service.

The Notification of the 16th September 1890, laying down the rules for the examinations to be held in 1891 of candidates for appointments as Deputy Collectors and Sub-Deputy Collectors.

The Notification of the 4th March 1891, fixing the dates of the examinations.

The reports of the Examiners.

The Notification of the 21st April 1891, appointing Messrs. Craven and Lucas, who had qualified in the examination, to be probationary Deputy Magistrate-Collectors

The Notification of the 1st May 1891, selecting certain candidates to be probationers of the Executive Branch of the Provincial Service.

The Notification of the 2nd June 1891, selecting one of the candidates for appointment as Sub-Deputy Collector.

When the notification of the 16th September 1890 was issued, it was contemplated that only eight Deputy Magistrate-Collectors would be required during the year 1891, and it was proposed to select them as follows:—Four solely by competition, two from the candidates who appeared at the examination and obtained not less than one-third marks, and two by promotion from the grades of Special Deputy Collectors and Sub-Deputy Collectors.

2. The examination was held on the 23rd, 24th and 26th March at the Senate House of the Calcutta University. Fifty-six candidates appeared and were examined in papers set by the following gentlemen :—

Essay ...	... Mr. W. T. Webb, M.A., Professor, Presidency College.
Sanskrit ...	... Babu Nilmoney Mookerjee, M.A., Professor, Presidency College.

Latin ... ... English Language and Literature. Mental and Moral Science ...	Mr. H. M. Percival, M.A., Professor, Presidency College.
Persian	Shams-ul-ulama Moulvi Ahmed, Professor, Presidency College.
Mathematics	Mr. J. H. Gilliland, B.A., Professor, Presidency College.
Physics and Chemistry ...	Mr. A. Macdonnell, M.A., Professor, Sibpore Engineering College.
Law	Mr. H. H. Risley, B.A., C.S. „ C. M. W. Brett, Barrister-at-law; C.S.

On the result of this examination the following candidates were appointed on the 1st May last to be probationers of the Executive branch of the Provincial Service on a salary of Rs. 50 per mensem, and were posted to the head-quarters of the districts mentioned opposite to their names :—

1. Babu Rajani Prasad Neogi, M.A., Mymensingh.
2. „ Jnanendra Nath Chaudhuri, M.A., B.L., Jessore.
3. „ Rakhal Mohan Banerjea, M.A., Manbhum.
4. „ Jogendra Kumar Sinha, M A., Rajshahye.
5. Moulvi Mahomed Shamsuzzoha, B.A., Patna.
6. Babu Nayananjan Bhattacharji, M.A., Burdwan and afterwards Bankura.

3. Further experience has shown that the estimate made in September last was far below the mark. Owing to the large number of officers of the Imperial Service who have been drafted from this Province to Burmah and Assam, there are deficiencies in the *cadre* number of that Service especially during the leave season from March to October, and the Government of India have pointed out that when the number of members of the Imperial Service available for what are known as sub-divisional charges falls for the time being below the *cadre* number, the Local Government has power to second the officers on deputation by appointing Deputy Magistrate-Collectors in their places, up to the number required.

Besides the officers drafted to Burmah and Assam, several officers of the Imperial Service have lately been employed upon settlement duty in this Province, whom it is necessary to second in like manner.

Further, there have been more casualties in the ranks of the Provincial Service than were anticipated in September last.

4. Consequently the Lieutenant-Governor has found that the number of officers required for the Provincial Service to fill up the permanent and temporary vacancies this year is at least 26 instead of 8, as was anticipated ten months ago. In order to meet this deficiency, the Lieutenant-Governor appointed early in the year 17 gentlemen to be probationary Deputy Magistrate-Collectors on Rs. 200 per mensem, of whom eight were candidates who had been selected at the examination last year, and nine were Special Deputy Collectors or Sub-Deputy Collectors promoted. In addition to these, Mr. T. J. L. Lucas, B.A., and Mr. J. A. Craven, who were among the candidates selected on the result of the examination held in March last, were directly appointed to be probationary Deputy Magistrate-Collectors on Rs. 200 per mensem with the view to their eventually taking the places of two of the European officers in the Sonthal Pergunnahs who are expected to retire within this year under the 55 years' rule.

5. In spite of these appointments, there are still deficiencies in the *cadre* number of the Provincial Service, and the Lieutenant-Governor has decided upon appointing Mr. H. A. Lane, M.A., an educational officer of approved character, to be a probationary Deputy Magistrate-Collector on Rs. 200 per mensem with a view to his eventually filling up another vacancy in the Sonthal Pergunnahs in the place of an officer who will retire next year. Mr. Lane will retain his lien on his appointment in the Education Department whilst in the probationary grade. The six gentlemen named in paragraph 2, who were appointed as probationers on 1st May last, will also be at once appointed to be probationary Deputy Magistrate-Collectors on Rs. 200 per mensem. They will for the present continue at the stations where they are now posted, and will each be vested with the powers of a Magistrate of the third class. As the reports concerning these six probationers received from the districts in which they have been stationed during the short time they have been on probation have been very favourable, the Lieutenant-Governor has appointed them without waiting for any further period of training. They are liable to reversion at the end of the leave season, though this is unlikely if they continue to give satisfaction. At the same time, Sir Charles Elliott thinks that

in future officers selected on the result of examination should pass a longer period of probation than has been found possible this year, and in order to meet the requirements of the coming year, he has decided to appoint as probationers of the Executive branch of the Provincial Service on a salary of Rs. 50 per mensem the following gentlemen, numbered 1 to 12, who at the recent examination stood next in order of merit after the first four, and those numbered 13 to 16 from among the remainder who obtained upwards of one-third marks and appear to be otherwise qualified, viz.—

1. Babu Jogendra Kumar Ghose, M.A.
2. " Rakhal Das Chatterjea, M.A.
3. " Soshi Bhushan Mukherjea, B.A.
4. " Sarat Chunder Sen Gupta, B.A.
5. " Suresh Chunder Sinha, M.A.
6. " Srigopal Bhattacherjea, M.A.
7. " Charu Chunder Chatterjea, M.A., B.L.
8. Babu Syam Lal Gupta, M.A.
9. " Fakir Chunder Chatterjea, B.A.
10. " Bhabataran Chattopadhya, B.A.
11. " Ashutosh Banerjea, B.A.
12. " Suresh Chunder Ball, M.A.
13. Moulvi Ashfuq Hossein, M.A.
14. Babu Satish Chunder Sen, B.A., B.L.
15. Moulvi Abul Mahmood, B.A.
16. Khondkar Fazlal Huq, B.A.

Separate orders will be passed posting these gentlemen to districts.

6. The examination for Sub-Deputy Collectorships took place at the same time as that for the Provincial Service, and 34 candidates, restricted to the following classes, as notified in paragraph 9 of the notification of the 16th September 1890, appeared—

(a) those whose names had been registered as candidates for appointment as Sub-Deputy Collectors;

(b) those registered candidates for appointment as Deputy Collectors who wished to compete in the examination for Sub-Deputy Collectorships;

(c) candidates selected from the list of applicants for registration for appointment as Sub-Deputy Collectors.

7. The result of this examination was not satisfactory. The marks obtained by almost all the candidates were low in the aggregate, and a scrutiny of the details showed no marked proficiency in any single subject. After a careful consideration of the papers set at this examination and the marks obtained, the Lieutenant-Governor came to the conclusion that the only candidate who showed such proficiency as would justify his selection for appointment as a Sub-Deputy Collector was Babu Kunja Behari Gossami, B.L.; he was therefore appointed on the 2nd June last. The Lieutenant-Governor regrets his inability to appoint any of the others. As several of the candidates for Deputy Magistrate-Collectorships who had obtained upwards of one-third marks, but who have not been selected to be probationers for the Provincial Service, showed considerable proficiency, the Lieutenant-Governor has decided to select three of them to be appointed at once temporary Sub-Deputy Collectors, and eight to be probationers in training for Sub-Deputy Collectorships on Rs. 30 per mensem.

8. The three gentlemen who have accepted the offer of appointment as temporary Sub-Deputy Collectors are—

1. Babu Annada Churn Gupta, B.A.
2. Babu Lalit Charn Das Gupta, B.A.
3. Babu Ashutosh Chatterjea, M.A.

In addition to these in order to fill up two other vacancies, His Honour promotes two canungoes, the first of whom passed the Native Civil Service Examination in class II in 1874, to be temporary Sub-Deputy Collectors:—

1. Babu Rajani Kanta Mukerjea, now employed at Kandi, Murshidabad.
2. Mr. T. F. Carter, now employed at Bankipur.

The eight gentlemen selected to be probationers for Sub-Deputy Collectorships, who have accepted the offer of these posts, are—

1. Babu Kedar Nath Banerjea.
2. " Jotindra Mohan Sinha, B.A.
3. " Akshoy Kumar Sen, B.A.
4. " Suresa Chunder Sarkar, M.A.
5. Babu Brajendra Nath Roy, B.A.
6. " Grish Chunder Dutt, B.A.
7. " Narendra Kumar Choudhury, B.L.
8. Babu Nisikanta Chattopadhya, B.A.

Orders posting these gentlemen as temporary Sub-Deputy Collectors and probationers will be issued separately.

ORDER.—Ordered that the above Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 18th July, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*		
BURDWAN DIVN.	1	Burdwan July 18, '91	2·04	Weather—seasonable. Crops doing well. Transplanting has already begun. More rain wanted in Raneegunge. Prices of common rice:— Srs. Ch. Sudder ... ... 18 0; Cutwa ... ... 15 11; Raneegunge ... ... 16 0 } per rupee.
		Raneegunge ...	1·98	
		Cutwa ...	2·91	
	2	Baukoora „ 18, '91	1·04	Weather—cloudy with occasional light showers. Transplantation of *aus* and *aman* in places going on. More rain wanted. Sugarcane doing well. Another flight of locusts, more numerous than the previous ones, passed over the Sudder station from south-west to north-east. Injury to crop, if any, is slight. Common rice selling at 17½ seers per rupee at Sudder as well as Bishenpore.
	3	Birbhum „ 18, '91	4·79	The rainfall in the Sudder has been good, and the fall for the season has been fair, *i.e.*, some 15 inches to date instead of a normal of about 18 inches. In the Rampore Hât subdivision the rainfall has been very deficient, only about 7 inches for the season. Rain is very urgently wanted there. Price of common rice still steady at 16 to 20 seers per rupee.
		Rampore Haut ...	0·29	
	4	Midnapur „ 18, '91	4·15	Weather—rainy and sultry. Early rice doing well, but rain still badly wanted everywhere. Pirces of common rice:— Srs. Sudder ... ... 18; Contai ... ... 18; Tamluk ... ... 16; Ghatal ... ... 12 } per rupee.
	5	Hooghly „ 18, '91	Figures not given	Weather—cool and occasionally cloudy. Transplantation of paddy going on. More rain wanted in places. *Aus* and jute doing well. Prices of common rice:— Srs. Sudder ... ... 14; Serampore ... ... 14; Jehanabad ... ... 17 } per rupee.
		Serampore ...	0·50	
		Jehanabad ...	0·47	
	6	Howrah „ 18, '91	0·55	Weather—showery and hot. Paddy and jute crops doing well. Transplanting of paddy plants in progress. Price of common rice 14¼ seers per rupee.
		Uluberia ...	1·24	
		Central Districts.		
PRESIDENCY DIVN.	7	24-Perghs. July 21, '91	0·90	Weather—cloudy and hot with intermittent showers. Jute, sugarcane and *aus* paddy doing well. Transplantation of *aman* paddy forward in the south but backward in the north. Rain much wanted in the Sudder subdivision and throughout the district, except in the Diamond Harbour subdivision, for *aman* paddy. Price of common rice from 13¾ to 16 seers per rupee.
	8	Nuddea „ 18, '91	3·18	Weather—seasonable. Prospects of *aus* good. Harvesting has commenced. Jute and sugarcane doing well.
		Kushtea ...	0·81	
		Meherpur ...	1·86	
		Chuadanga ...	1·94	
		Ranaghat ...	0·89	
	9	Khoolna „ 18, '91	1·96	Weather—hot and showery. Prospects of *aus*, jute and sugarcane good. Transplanting of *aman* going on. More rain wanted.
		Bagirhat ...	1·62	
		Satkhira ...	4·55	
	10	Jessore „ 18, '91	1·57	Weather—sultry. Paddy much benefited by late rain. Rivers rising.
		Jhenidah ..	1·70	
		Magurah ...	3·31	
		Narail ...	1·52	
		Bongong ...	0·59	
	11	Murshedabad „ 20, '91	0·87	Weather—cloudy. *Bhadoi* paddy and jute doing well. *Aman* paddy is being sown. Prospects favourable.
RAJSHAHYE DIVN.	12	Dinagepur „ 18, '91	4·21	Weather—hot and rainy. Crops fair. Prospects of jute 10 annas and *bhadoi* 12 annas. Some damage to seedlings by locusts reported.
		Thakurgaon ...	6·66	
	13	Rajshahye „ 18, '91	Figures not given	Weather—hot and cloudy with occasional rain. *Aus* progressing well. Transplantation of *aman* begun in some places. More rain wanted.
		Nattore ...	0·60	
		Nowgong ...	2·63	
	14	Rungpur „ 18, '91	2·86	Weather—sultry with showers. *Aus* paddy being harvested and jute cutting commenced. Transplanting of winter rice going on. Prospects generally favourable.
		Nilphamari ...	5·55	
		Gaibanda ...	2·63	
	15	Bogra „ 18, '91	1·85	Weather—changeable, but generally sunny. Standing crops doing well, but more rain wanted. Common rice selling at 17 seers per rupee.
		Sherpur ...	1·15	
		Nowkhilla ...	2·14	
	16	Pubna „ 18, '91	1·35	Weather—cloudy and comparatively cool. More rain still wanted. Standing crops doing well. River subsiding. Price of rice stationary. Fodder sufficient.
	17	Darjeeling „ 18, '91	5·74	Weather—rainy. *Bhadoi* getting ripe. Transplantation of *haimanti* paddy continues. Crops damaged to a certain extent by locusts in some parts of the district.
	18	Julpigoree „ 18, '91	1·42	Weather—very hot. More rain wanted. Prospects of *bhadoi* rice and jute not favourable. Some damage has been caused by locusts in some portions of the district. Transplanting of *haimanti* paddy going on. Common rice selling at 13 seers per rupee.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*			
	Eastern Districts.		
	DACCA DIVN.		
19	Dacca July 18, '91	0·63	Weather—seasonable. ***Aman*** rice thriving. Harvesting of *aus* rice continues. Prospect of jute fair and that of other crops good. Cheapest rice sold at from 14 to 16 seers per rupee.
20	Furreedpur „ 18, '91	6·46	Weather—seasonable. Prospect of *aus*, *aman* and sugarcane fair. Rice selling at 15, 16, and 17 seers per rupee respectively at Goalundo, Sudder, and Madaripore.
21	Backergunge „ 18, '91	1·52	Weather—seasonable. Prospects of crops fair. Common rice selling at from 13 to 18 seers a rupee.
	Perozepur ...	3·16	
	Patuakhali ...	4·95	
	Bhola .	3·29	
22	Mymensingh „ 18, '91	1·12	Weather—very hot and sultry. Prospects of jute and *aus* not favourable. Common rice sells at 13 seers a rupee.
	CHITTAGONG DIVN.		
23	Chittagong „ 18, '91	4·27	Weather—seasonable. Standing crops damaged to a certain extent by late heavy rain and flood. Ploughing for *aman* and transplantation of *aus* continue. Prices have risen slightly.
24	Noakholly „ 18, '91	2·34	Weather—seasonable. Crop prospects fair. ***Aus*** reaping commenced. *Aman* being transplanted. Prices stationary.
25	Tipperah „ 18, '91	0·45	Weather—seasonable. ***Aus*** rice and jute are being harvested. ***Aman*** rice doing well. Prices stationary.
26	Chittagong Hill Tracts. „ 16, '91	2·77	Weather—cloudy with occasional showers. ***Jum*** paddy and cotton plants on hill tops doing well, but the same crops on river banks and low lands damaged by late flood. Lands are being ploughed for late rice. Common rice is being sold at 11 seers 6 chittacks per rupee.
BEHAR.			
	PATNA DIVN.		
27	Patna „ 18, '91	2·16	Weather—hot and cloudy. Transplantation of paddy going on. Prospects of *bhadoi* crops fair. Harvesting of *cheena* commenced. Prices of food-grains almost stationary.
28	Gya „ 18 '91	2·18	Weather—hot and cloudy. Sowing of paddy going on. Transplantation of *marua* in progress. Sugarcane doing well. Prices almost stationary.
29	Shahabad „ 18, '91	0·81	Weather—cloudy with occasional showers at head-quarters. *Arrah :—Bhadoi* being weeded and paddy sown. *Sasseram and Bhabuah :—Bhadoi* and paddy being sown. *Buxar :*—Except where canal water is obtainable, cultivation reported to have ceased. On the 16th, however, there was slight rain, ⅗ inch. The weather has the appearance of having set for rain, and should there now be general rain, there need be no anxiety. In consequence of the late monsoon, prices now show a tendency to rise.
	Buxar ...	0·08	
	Bhabuah ...	3·60	
	Sasseram ...	0·53	
30	Durbhunga „ 18, '91	2·84	Weather—cloudy. Transplanting of paddy in progress, but more rain wanted. Prospects of *bhadoi* crops fair. No material damage seems to have been done by locusts. Prices remain almost stationary.
	Somastipur .	0·04	
31	Mozufferpur „ 18 '91	1·59	Good rain everywhere, very heavy in the north. *Bhadoi* sowings not quite completed. Paddy and *marua* being transplanted. Prospects good. Locusts passed over every part of the district and did a little damage.
	Sitamarhi ...	5·30	
32	Sarun „ 18, '90	2·51	Heavy rain everywhere during last two days, weather being sultry previously. Rain has been very beneficial. Prospects of all crops, especially sugarcane, are excellent.
33	Chumparun „ 18, '91	2·90	Weather—cloudy and rainy since the 15th. Paddy transplantation continues. *Bhadoi* being weeded. Prices of food-grains stationary.
	BHAGULPORE DIVN.		
34	Monghyr „ 18 '91	0·88	Weather—hot and occasionally cloudy with showers of rain. Sowing of *bhadoi* crops nearly completed. More rain wanted to commence transplantation of winter rice.
35	Bhagulpur „ 18, '91	3·19	Weather—variable. Winter rice is being sown. Transplantation of *bhadoi* rice and *marua* almost finished. *Bhadoi* crops on the ground doing well, but more rain wanted. Locusts have to a great extent passed away. Price of common rice 15 seers 2 chittacks per rupee.
36	Purneah „ 18, '91	0·88	Weather—hot with occasional local and light showers. Rain now wanted both for *bhadoi* crops and for transplanting of *aghani* rice. In Arrareah subdivision damage by locusts to jute, *marua* and *makai* estimated at 4 annas. Jute crop in Kishengunge not good. Indigo prospects still very favourable.
	Kishengunge ...	0·47	
	Arrareah ...	0·12	
37	Maldah „ 18, '91	1·32	Weather—hot and cloudy at the beginning of the week; latterly bright with heavy showers. Harvesting of *bhadoi* rice going on in some places. Winter rice and jute plants thriving. A large flight of locusts visited the head-quarters on two occasions. A similar flight has been reported from almost all the thanas. Great damage has been done to indigo, *makai* and mulberry leaves. Damage done to other standing crops slight. Price of common rice stationary.
	Chanchal ...	1·56	
	Shibgunge ..	0·94	
38	Sonthal Perghs. „ 18, '91	1·89	Weather—cloudy with occasional light showers. Prospects have improved since last report. *Janera* sowings may be considered complete; about the usual area has been sown, and the crop is doing fairly well. Paddy seedlings are also doing well, though about an anna died from drought and injured by locusts. Transplantation of paddy has commenced on the low lands, but more rain is wanted for this purpose for the up lands. Small swarms of locusts are reported to be hovering in parts of the Dumka and Godda subdivisions.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
Orissa Divn.	39	Cuttack July 18, '91	1·88	Sky overcast. Weeding of rice in progress. Rainfall still inadequate.
	40	Pooree „ 16, '91 Khoorda ... Banpur ...	0·31 0·73 0·41	Weather—cloudy with drizzling showers of rain. *Sarad* crop is still alive. Rain wanted badly. Miscellaneous crops doing well. Price of common rice from 21 to 27 seers per rupee.
	41	Balasore „ 18, '91	1·84	Weather—cloudy and close. Rainfall is still very deficient in the Sudder subdivision. *Beali* rice doing well in Bhadrak.
CHOTA NAGPORE				
South-West Frontier Agency.				
Chota Nagpore Divn.	42	Hazaribagh July 18, '91	1·59	Weather—cloudy and light rain. More rain badly wanted for the newly-sown crops.
	43	Lohardugga „ 18, '91 Palamow (up to 13th July)	1·30 2·03	Weather—cloudy and hot. More rain wanted in the head-quarters subdivision for transplanting low land paddy. Prices steady.
	44	Singbhoom ...	...	Report not received.
	45	Manbhoom „ 18, '91 Govindpur ...	6·12 0·52	Rain heavy in head-quarters, scanty in Govindpur. The rain will do much good. Transplanting operations have commenced and are being carried on vigorously. Price of common rice 15 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 21st July, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 12th to 18th July 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour pressure.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction	Wind. Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
July	12th	150·3	8·2	29·579	84·1	90·0	12·0	78·0	79·3	0·937	77·3	81	ESE and SE ...	179	0·03	Partially cloudy, d.
„	13th	146·6	6·5	·586	83 5	88·4	10·4	78 0	80·1	·984	78·7	86	ESE and SSE ...	131	0·35	Partially cloudy, d, p.
„	14th	155·0	8·4	·507	84 7	89·8	10·4	79·4	81·0	1·012	79·6	85	SE and SSE ...	149	0·09	Partially cloudy, d, p.
„	15th	153·1	3·3	·449	83 9	91·1	11·5	79·6	80 7	1·007	79·4	87	SSE, WSW and SSW	121	0·18	Chiefly cloudy, o, g, t, d, p.
„	16th	120·8	Nil	·479	82·5	85·8	6·8	79 0	80 2	1·003	79·3	90	Calm and variable	53	0·15	Cloudy, o, g, t, d, p.
„	17th	153·1	2·2	·522	82 7	86·6	8·7	77·9	79·5	0 966	78·2	86	WSW, SW, and variable.	87	0·07	Chiefly cloudy, o, d.
„	18th	152·5	6·3	·510	82·0	91·3	12·1	79·2	79·0	·952	77·7	87	SW, SSE, and variable	77	0·33	Partially cloudy, o, g, d, p, t. ⏜

	Inches.
The mean pressure of the seven days	29·519
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·523
	Hours.
The total number of hours of bright sunshine	34·9
The maximum possible number of hours of sunshine	93·5
	°
The mean temperature of the seven days	83·3
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·5
The extreme variation of temperature	13·4
The maximum temperature	91·3
	Miles.
The highest velocity of the wind in one hour	12
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	86
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches.
The total fall of rain from 12th to 18th July 1891	1·20
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·92
The total fall from 1st January to 18th July 1891	19·68
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	28·69

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; ⏜, dew.

In the weekly report from 21st to 27th June 1891 read "85·4" for "5·4" as the mean temperature of the 27th June 1891.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 20th July 1891.

Meteorological Report of the Province of Bengal

Meteorological Division	District	Representative station	Air Pressure: Mean barometric height, 8 A.M.	Air Pressure: Mean reduced to sea-level and to lat. 45°.	Air Pressure: Variation from mean.	Wind: Prevailing direction.	Wind: Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Temperature: Mean maximum temperature.	Temperature: Mean minimum temperature of week.	Temperature: Mean daily temperature of week.	Temperature: Variation from normal mean of week.	Temperature: Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·559	29·508	—	Wly & Calm	243	88·7	14th July	78·6	12&17 July	86·4	80·2	83·4	—	81·5
		Gopalpore ...	29·551*	29·512*	+·010*	SW	320	87·2	15-17th ,,	78·8	14th ,,	85·2	80·1	82·7	0	82·3
		False Point ..	29·567	29·530	—·013	Variable	237	88·5	15 & 16 ,,	75·1	12th ,,	87·2	78·7	83·0	0	83·2
	Cuttack	Cuttack ...	29·510	29·532	+·003	Variable	69*	92·9	10th ,,	77·3	12th ,,	89·8	79·4	84·6	+0·3	82·8
	Balasore	Balasore ...	29·510	29·510	—·016	Variable	112	91·4	16th ,,	77·7	12 & 13 ,,	89·1	78·7	83·4	+0·3	82·2
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·546	29·515	—·012	SWly	333	89·2	13, 15&16,,	77·5	17th ,,	87·8	80·4	84·1	—0·1	82·6
	Midnapore	Midnapore ..	29·426	29·520	—·008	S	188	92·3	16th ,,	78·1	12 & 13 ,,	89·9	78·9	84·4	+0·6	82·1
	24-Pergunnahs ..., Howrah ..., Hooghly ...	Calcutta ...	29·549	29·516	—·013	SW	127	91·1	16th ,,	77·7	17th ,,	88·5	78·8	83·7	+0·3	82·1
	Burdwan	Burdwan ..	29·483	29·528	—·004	Variable	82	93·6	16th ,,	78·4	13 & 17 ,,	90·4	79·8	85·1	+0·3	82·3
	Bankoora	Bankoora ..	29·261	29·506	—·006	Variable	115	90·6	14th ,,	77·5	12 & 13 ,,	88·5	78·6	83·6	—0·3	82·1
	Beerbhoom ..., West Burdwan ..	Raneegunge..	29·243	29·539	—·006?	Variable	63	92·5	16th ,,	78·3	12, 13&16,,	90·5	78·9	84·7	+0·4	81·9
	Moorshedabad	Berhampore	29·511	29·526	—·020	E	105	91·1	16th ,,	77·3	13th ,,	89·5	78·8	84·2	—0·2	81·6
	Nuddea	Krishnaghur .	29·526	29·521	—·000	SEly	134	93·8	16th ,,	77·7	13th ,,	89·8	79·1	84·5	+0·1	83·1
	Jessore ..., Khoolna ...	Jessore ...	29·552	29·532	—·020	SE	117	91·7	16th ,,	77·9	12th ,,	89·0	79·0	84·0	—0·4	83·3
East Bengal.	Chittagong	Chittagong .	29·550	29·584	—·027	SE	148	88·7	14th ,,	76·1	12 & 16 ,,	87·3	76·9	82·1	+0·8	81·6
	Chittagong Hill Tracts	Demagiri ..						Observations not received.								
	Backergunge	Barrisal .	29·584	29·541	—·013	SE	122	88·3	15&18 July	78·3	17th ,,	87·0	79·0	83·0	+0·8	82·8
	Noakhally...	Noakhally . .	29·585	29·573	—·019	SEly	209	93·0	13th ,,	77·3	12 & 17 ,,	86·8	78·4	82·6	+0·7	81·4
	Furreedpore	Furreedpore ..	29·573	29·559	—·005	SEly	115	89·5	16th ,,	77·9	12 & 17 ,,	87·4	79·3	83·3	—0·1	83·3
	Dacca	Dacca ...	29·580	29·550	—·022	Variable	208	89·6	16th ,,	78·7	14th ,,	88·4	79·6	84·0	+0·1	82·5
	Comillah	Comillah .	29·502	29·575	—·012	SE	133	89·4	12th ,,	75·8	12th ,,	88·0	77·0	82·5	—0·3	81·7
	Mymensingh	Mymensingh	29·555	29·553	—·020	ESE	145	89·2	15 & 17 ,,	78·5	12 & 13 ,,	88·3	79·1	83·7	+0·3	82·3
North Bengal.	Bogra	Bogra	29·519	29·532	—·006	SE	94	90·3	16th ,,	78·2	15th ,,	89·6	79·3	84·5	+0·3	83·2
	Pubna	Serajgunge ..	29·551	29·546	—·017	SEly	91	90·1	16th ,,	77·2	17th ,	89·0	79·1	84·1	+0·2	82·0
	Rajshahye	Rampore Beauleah.	29·512	29·532	—·095	SEly	155	90·8	16th ,,	78·5	12 & 16 ,,	88·7	79·2	84·0	0	82·3
	Maldah	Maldah ..	29·491	29·522	—	SE	90	93·0	15th ,,	78·5	16 & 18 ,,	91·6	79·3	85·4	—	83·6
	Dinagepore	Dinagepore .	29·471	29·541	—·035	E	34	90·1	13th ,,	77·7	6th ,,	88·0	79·6	83·8	—1·2	81·4
	Rungpore	Rungpore ..	29·490	29·561	—·018	SEly	93	90·8	13th ,,	78·2	14th ,,	89·1	79·1	84·1	—0·5	82·4
	Julpigoree ..., Cooch Behar ...	Julpigoree	29·221	29·556	+·002	?	161	91·4	17th ,,	75·4	14th ,,	87·3	77·2	82·3	—0·6	81·3
	Darjeeling Hill Tracts...	Darjeeling ..	22·888	—	—·014	ESE & Calm	70	68·6	17th ,,	55·1	14th ,,	66·0	57·3	61·7	—0·7	62·0
North Behar.	Purneah ..., North Bhagulpore ...	Purneah ..	29·454	29·531	—·018	ESE & Calm	28	90·2	12, 13&15,,	77·2	12th ,,	89·1	77·8	83·5	—1·5	82·7
	Mozufferpore	Mozufferpore	29·386	29·515	—	ESE	151	92·3	12th ,,	76·2	15 & 16 ,,	88·3	78·8	83·6	—	81·6
	Durbhunga	Durbhunga .	29·121	29·538	—·004	Ely	166	92·9	12th ,,	78·0	17th ,,	89·5	79·4	84·5	—0·7	83·8
	Chumparun	Motihari ..	29·350	29·536	—·001	ENE	147	92·2	12th ,,	73·8	15th ,,	88·9	77·9	83·4	—1·6	81·4
	Sarun	Chupra ..	29·371	29·505	—·005	ESE	134	94·3	12 & 15 ,,	77·6	16 & 17 ,,	89·9	78·7	84·3	—0·8	82·9
South Behar.	Shahabad	Dehree .	29·228*	29·529*	+·011*	ESE	208	98·4	15th ,,	78·5	18th ,,	92·5	80·0	86·2	+2·3	83·1
		Buxar ..	29·312	29·503	—·013	E	245	97·4	12th ,,	75·8	18th ,,	92·8	79·6	86·2	+1·6	84·0
		Arrah ..	29·365	29·504	+·002	NEly	28*	94·9	12th ,,	76·6	17th ,,	93·3	79·5	84·9	—0·3	83·8
	Gya	Gya ..	29·146	29·511	—·011	E&W	128	96·0	15th ,,	73·8	17th ,,	91·9	79·2	85·6	—0·1	82·4
	Patna	Bankipore ..	29·583	29·516	—·019	E	136	94·4	12 & 15 ,,	78·2	18th ,,	89·3	79·7	84·5	—1·3	82·9
	South Bhagulpore ..., Monghyr ...	Bhagulpore ..	29·4[illegible]4	29·515	—·010	Variable	42	93·2	16th ,,	78·0	16th ,,	90·3	79·6	84·9	+0·1	82·9
	Sonthal Pergunnahs ...	Doomka ..	29·163	29·507	—·019	SEly	161	94·1	16th ,,	74·8	16th ,,	89·7	77·7	83·8	+0·2	81·4
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·55[illegible]	29·518	—·012	Variable	235	88·2	15th ,,	71·5	17th ,,	84·3	73·9	79·1	—0·2	75·6
	Lohardugga ..., Manbhoom ...	Ranchee ..	27·161	29·508	—·010	Variable	139	87·0	14th ,,	71·4	13th ,,	83·2	73·0	78·1	+0·6	76·4
	Singhbhoom	Chyebassa ..	28·8[illegible]8	29·512	+·003	SWly & Calm	43	92·4	15th, ,,	73·7	17 & 18 ,,	88·3	76·4	82·4	—0·6	79·3
Assam.	Sibsagar	Sibsagar ..	29·502	29·585	—·031	NE	—	94·1	18th ,,	77·0	13th ,,	91·0	79·3	85·2	0	83·3
	Goalpara	Dhubri ...	29·561	29·569	—·009	Variable	75	86·7	14th ,,	76·8	14th ,,	84·4	78·4	81·4	—2·4	79·8
	Cachar	Silchar	29·531	29·586	—·027	Calm	—	93·0	17th ,,	77·2	13 & 14 ,,	91·6	78·1	84·9	+0·8	82·8

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last [illegible] humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are [illegible] means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past [illegible] station in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 18th of July 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District observations. Of week. Mean for district.	Of week. Normal mean.	Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
89	8·4	0·29		3·07		7·10			18·01			3 53	Pooree ...	Pooree	Orissa.
87	6·4	2·00											Gopalpore ...		
85	8·6	3·52											False Point ...		
78	8·3	1·58		2·97		6·98			19·71			3·46	Cuttack ...	Cuttack	
93	6·0	1·64		2 94		7·39			18·92			3·65	Balasore ...	Balasore	
89	8·3	6·27	4·78	3 07	9·08	8·44	+0·04	20·26	21·40	−1·20	4·67	4·02	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
69	4·3	3·96	4·22	2 52	7·18	7·17	+0.01	20·75	19 46	+1·20	4·00	3·41	Midnapore ...	Midnapore	
88	8·0	0·89	1·54	2·68	4·75	6·63	−1·88	15·06	19 62	−4·56	3·6)	3 90	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
85	8·3	2·04	2·37	2·35	8·22	5 86	+2 36	21·57	17 61	+3·96	3·67	3 23	Burdwan ...	Burdwan	
87	8·3	1·04	1·17	2·42	6·52	6·64	−0·12	21·41	20·35	+1·06	2·50	3 69	Bankoora ...	Bankoora	
88	8·9	1·93	2·22	2·67	6 12	7·15	−1·03	19·62	19·80	−0·18	3·00	3 33	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
92	8·4	0·87	1·51	2·23	5·41	6 30	−0·89	21·12	19 27	+1·85	2·83	3 24	Berhampore ...	Moorshedabad ...	
86	7·9	3·18	1·68	1·83	6·44	5·97	+0·47	20·78	19·41	+1·37	4·20	3·23	Krishnagur ...	Nuddea	
80	8·3	1·57	2·08	2·39	7·12	6·34	+0·78	21·65	22·11	−0·46	4·00	3 79	Jessore ...	Jessore ... ... Khoolna	
86	5·7	4·00	6·40	6·49	28·80	17 15	+11·71	43·18	53·18	−9·70	3·00	4·43	Chittagong ...	Chittagong	East Bengal.
			1·45	3·63	19·44	9·83	+9·61	40·59	34·14	+6·45	4·00	5·25	Domagiri ...	Chittagong Hill Tracts	
87	6·9	1·53	2·61	3 96	10·03	10·18	−0·15	26·88	34·12	−7·24	4·50	4·95	Barrisal ...	Backergunge	
88	4·7	2·44		5·04		13·03			46·42			4·67	Noakhally ...	Noakhally	
87	6·1	6·46	3·15	2·12	7·89	6·20	+1·69	21·36	22·99	−1·63	2·67	3·68	Furreedpore ...	Furreedpore	
88	8 0	0·77	0·30	3·30	7·20	7·91	−0·71	30·39	25·56	+4·83	2 25	3·62	Dacca ...	Dacca	
85	3·3	0·55	1·17	2 90	7·15	7·66	−0·51	31·97	28·73	+3·24	2·50	3 71	Commillah ...	Commillah	
90	5·9	1·08		2·80		7·55			30·13			3·64	Mymensingh ...	Mymensingh	
87	6·3	1·86	2·18	2·55	6·43	7·51	−1·08	22·89	23·12	−2·23	3·00	3·13	Bogra ...	Bogra	North Bengal.
89	7·1	3·73	2·55	1·97	5·75	5·96	−0·21	21·80	21·24	+0·56	2·00	2·95	Serajgunge ...	Pubna	
89	6·0	2·83		2·48		6·95			22·20			3·55	Rampore Beauleah	Rajshaye	
87	5·6	1·32	1·85	2·11	7·91	7·35	+0·56	19·00	22·69	−3·69	3·50	3·38	Maldah ...	Maldah	
91	9·7	4·37	3·71	2·14	15·68	6·86	−8·82	28·31	25·62	+2·69	4·00	2·95	Dinagepore ...	Dinagepore	
89	2·9	3·11	3·20	2·58	17 84	8·45	−9·39	38·66	37·14	+1·52	4·00	2 68	Rungpore ...	Rungpore	
95	1·9	1·39	4·39	4·71	19·60	12·74	+6·86	45·06	53 38	−8·32	4·40	3·82	Julpigoree ...	Julpigoree ... ... Cooch Behar	
95	9·6	5·74	3·58	6·09	12·94	20·90	−8·05	38·13	60·00	−21·87	5·50	4·95	Darjeeling ...	Darjeeling Hill Tracts	
88	6 9	0·88	1·25	2·71	7·90	7·89	+0·01	21·71	23·60	−1·89	2·60	3·09	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
89	7·0	1·25	2·36	2·04	7·95	6·31	+1·64	22·22	16·52	+5·70	3·00	2·44	Mozufferpore ...	Mozufferpore	
86	7·0	2·84	2·69	1·97	8·57	6·43	+2·14	20·07	17 16	+2·91	2 67	2·11	Durbhunga ...	Durbhunga	
87	7·4	2·90	3·02	1·85	7·50	6 88	+0·62	20·38	17·64	+2·74	3·00	2·19	Motihari ...	Chumparun	
90	7·0	3·54	1·91	2·02	5·08	6·44	−1·36	16·56	15·30	+1·26	3·00	2·43	Chupra ...	Sarun	
80	5·6	0·71											Dehree ...		South Behar.
81	7·4	1·00	1·36	2·23	3·00	6·13	−3·13	7·44	13·04	−5·60	1·40	2 91	Buxar ...	Shahabad	
87	5·1	0·81											Arrah ...		
84	6·3	2·18	1·63	2·27	7·30	6·04	+1·35	14·22	14 25	−0·03	2·75	2·88	Gya ...	Gya	
87	9·1	2·16		1·91		5·55			14·90			2·61	Bankipore ...	Patna	
91	9·1	3·19	2·26	2·25	7·23	5·66	+1·57	17·74	15·39	+2·35	3·20	3·24	Bhagulpore ...	South Bhagulpore ... Monghyr	
88	5·0	1·59	3·13	2·48	7·04	6·72	+0·32	18·51	19·21	−0·70	2·83	3·78	Doomka ...	Sonthal Pergunnahs ..	
90	10·0	1·74		2·64		6·89			18·17			3 95	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
86	8·9	1·30	5·00	2·66 2 65	9·42	6·86 6 83	+2·59	19·83	17·14 17·32	+2·51	5·00	3·79 4·00	Ranchi ...	Lohardugga ... ... Maubhoom	
88	7·9	4·07	4·14	3·62	6·49	7·60	−1·11	13·71	19·08	−5·37	5·00	3·55	Chyebassa ...	Singbhoom	
91	8·3	1·98											Sibsagar	Assam	Assam.
92	9·1	4·16											Dhubri		
86	8·1	4·03											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 18th of July 1891.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 12th July.	Monday, 13th July.	Tuesday, 14th July.	Wednesday, 15th July.	Thursday, 16th July.	Friday, 17th July.	Saturday, 18th July.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·04	0·25	0·10	...	...	0·03	...	2	0·42	3·19	0·75	6·31	5·47	10·37
		Khurdah ...	0·04	0·26	0·06	0·35						3·26		7·30		19·52
		Banpur ...	0·0[illegible]									2·37		6·83		15·51
		False Point ...	2·13	0·02	...	...	0·05	1·28	0·04	2	3·52	3·46	9·40	8·19	14·47	20·63
		Gop ...										?		?		?
		Satpara ...										?		?		?
		Pipli .										?		?		?
	Cuttack	Jagatsingpore	...	0·54	0·30							2·24		5·72		15·23
		Banki ..	0·22	0·10	0·23	0·72	0·05					3·38		7·67		20·66
		Cuttack ...	0·69	...	0·32	0·8[illegible]	...	...	...	3	1·89	3·11	5·13	7·42	11·04	22·77
		Kendrapara ...	2·45	...	0·15	...	0·07	...	...	2	2·67	3·28	4·77	6·81	8·81	18·85
		Jajpore ...	...	...	0·14	0·60	...	0·09	...	2	0·92	2·85	1·50	7·28	8·13	20·98
		Dharmsala .	0·10	0·39	0·10							?		?		?
		Salipore .	1·00	...	0·35	0·37	...	0·20				?		?		?
	Balasore ..	*Akhoyapada* ...	0·03	0·30	0·18	...	...	0·08	0·09	2	0·68	?	2·07	?	8·83	?
		Chandbali ...	0·40	...	0·16	0·50	...	0·03				2·77		6·54		17·43
		Bhuddruck ...	0·05	...	0·87	0·10	...	...	...	3	1·93	2·65	5·80	6·64	11·80	18·97
		Sorah ...	...	0·60	...	0·10	1·00					2·02		6·38		16·78
		Balasore ..	0·95	0·08	...	0·06	0·50	0·01	0·18	3	1·84	3·12	2·74	7·95	10·81	20·11
		Jellasore ..										3·94		9·20		19·43
		Baripodah ...										3·16		7·57		20·74
SOUTH-WEST BENGAL.	Midnapore .	Contai ...	0·35	0·12	0·12	...	0·15	0·65	1·47	6	2·65	3·25	7·09	7·90	13·54	20·87
		Saugor Island	1·00	0·09	0·21	...	1·91	2·88	0·19	5	6·27	3·27	13·38	9·02	24·48	22·28
		Tumlook ...	...	...	0·08	...	0·64	4·10	0·30	3	5·12	3·01	8·83	6·64	23·19	18·71
		Midnapore ...	0·33	0·04	1·28	...	0·19	0·19	2·12	5	4·15	2·37	4·57	7·05	15·04	18·49
		Ghattal ...	0·01	0·34	0·20	...	2·00	0·83	...	4	3·38	2·17	8·12	7·82	24·03	21·16
		Kukrahaty ...	0·13	...	0·29	...	0·74	2·46	...	4	3·62	?	4·38	?	13·37	?
		Garbetta ...	...	...	...	0·30	...	...	0·85	2	1·15	?	5·82	?	20·24	?
	24-Pergunnahs	Diamond Harbour ...	...	0·19	0·05	...	2·35	2·80	0·04	3	5·43	2·69	6·59	8·40	22·77	21·20
		Canning Town	0·02	...	0·07	...	0·25	0·14	0·04	2	0·52	?	3·75	?	14·38	?
		Alipore Jail ..	...	0·04	0·35	0·09	0·10	0·28	0·03	3	0·93	2·72	4·16	7·18	13·44	20·61
		Barrackpore...	...	0·45	0·10	...	0·82	0·50	0·08	4	1·95	2·52	4·42	6·08	13·66	19·41
		Dum-Dum ...	0·15	...	0·24	...	0·36	0·71	...	4	1·46	2·66	4·13	6·16	10·37	19·50
		Baraset ...	0·07	...	0·51	...	0·58	...	0·55	3	1·71	2·37	3·58	5·52	13·91	18·23
		Buseerhat ...	...	0·75	...	...	1·17	0·40	0·05	3	2·37	2·92	5·14	7·40	18·28	21·81
	Howrah ..	Howrah ...	0·01	0·01	0·17	0·01	0·33	0·02	...	2	0·55	2·30	3·10	6·63	13·60	19·43
		Mohesicka (*Oolobersah*) ...	0·10	0·40	0·32	0·08	0·32	1·24	0·10	6	2·56	3·06	4·35	7·94	16·13	19·02
	Hooghly ..	Serampore ...	...	0·35	0·06	...	0·17	0·86	...	3	1·44	2·57	3·58	6·17	12·56	18·73
		Hooghly ...	...	...	0·39	0·27	0·53	0·15	0·06	4	1·31	2·99	4·83	6·11	15·79	18·76
		Jehanabad ...	...	0·24	0·10	0·13	...	0·61	0·05	4	1·13	2·34	9·06	6·77	22·10	19·80
	Burdwan ..	Culna ...	...	0·33	0·95	...	...	...	0·55	3	1·83	2·41	7·70	5·80	19·76	16·82
		Burdwan ...	0·08	0·15	0·55	0·03	0·30	0·27	0·66	5	2·04	2·85	9·86	6·22	23·51	17·83
		Cutwa ...	0·03	...	0·41	...	2·25	...	0·55	3	3·24	1·80	7·11	5·87	21·45	18·20
		Raneegunge ..	...	0·05	0·18	0·70	0·97	...	0·03	3	1·93	2·99	4·86	7·67	20·89	18·65
		Mankur ...	...	0·12	0·25	...	0·52	...	0·63	4	1·52	?	8·03	?	21·97	?
	Bankoora ...	Bankoora ...	0·18	0·06	...	...	0·20	0·01	0·59	3	1·04	2·91	7·13	7·02	20·98	19·61
		Bishenpore ...	...	0·04	0·13	...	0·57	...	0·16	3	0·90	1·70	7·81	6·14	23·13	19·85
		Malhara ...	0·10	...	0·10	...	0·08	...	1·35	2	1·63	2·57	6·47	6·99	25·65	20·63
		Khatra ...	...	0·29	...	0·80	...	...	...	2	1·09	2·19	4·43	6·40	15·97	21·26
		Indas ...	0·20	...	0·54	...	0·09	0·12	0·25	4	1·20	?	8·84	?	22·65	?
		Kotalpore ...	...	...	0·07	...	...	...	0·91	1	0·98	?	7·76	?	22·05	?
		Anda ...	...	...	...	0·70	...	0·34	...	2	1·04	?	3·29	?	8·77	?
		Gangajalghati	0·19	...	...	...	...	...	0·11	2	0·30	?	8·13	?	24·17	?
		Raipore ...	0·38	0·05	0·24	...	1·12	0·52	0·06	4	2·37	?	5·53	?	24·72	?
		Sonamukhi ..	...	...	...	0·68	0·45	...	0·21	3	1·34	?	7·58	?	23·60	?
	Beerbhoom	Bh. Soory ..	0·16	0·06	0·10	...	2·53	1·64	0·28	5	4·79	2·61	8·89	7·73	21·70	20·95
		Hetampore ...	0·06	0·03	0·02	0·04	0·45	0·11	0·02	2	0·73	3·33	4·72	8·12	20·12	21·63
		Rampore Haut	...	0·07	0·05	0·16	0·01	0·01	1·12	2	1·42	2·06	5·98	5·31	15·66	18·16
		Bolpore ..	...	0·45	...	...	0·75	0·72	...	3	1·92	?	4·41	?	19·64	?
		Murari ...	...	...	...	...	0·15	...	5·13	2	5·28	?	10·78	?	20·52	?
	Nuddea .	Ranaghat .	0·13	0·21	0·23	...	...	...	0·17	4	0·74	2·05	5·29	5·91	17·33	18·70
		Kishnaghur ...	0·11	0·52	0·32	0·02	1·12	...	0·09	5	3·18	1·83	8·38	5·91	23·75	17·43
		Chooadanga ..	0·24	0·25	0·65	0·03	0·05	0·09	0·31	4	1·01	1·[illegible]8	6·00	6·34	20·24	19·91
		Meherpore ...	...	0·15	1·42	...	0·14	...	·026	4	1·97	1·74	8·07	5·69	24·02	19·09
		Kooshtea .	...	0·20	0·25	...	0·18	0·18	0·09	4	0·90	1·94	4·40	5·97	18·63	21·93
	Khoolna ..	Satkhira ..	...	0·18	0·10	...	4·30	0·11	1·20	5	5·89	2·83	9·30	7·44	21·87	23·53
		Bagirhat ..	...	...	...	...	1·62	0·55	0·36	3	2·53	3·71	7·91	7·85	25·10	26·37
		Khoolna ..	...	0·26	0·25	0·09	0·75	0·29	0·32	5	1·96	2·82	7·03	6·40	17·42	22·09
		Nakipur ..	...	0·41	0·21	...	1·54	...	1·00	4	3·16	?	7·65	?	22·00	?
		Rampal .	...	...	0·13	...	...	1·00	...	2	1·13	?	4·83	?	14·83	?
	Jessore ...	Narail ..	0·38	0·26	0·09	0·05	...	0·17	0·10	4	1·05	1·85	7·02	5·43	17·62	19·19
		Jessore ..	0·19	0·15	0·11	...	0·12	0·17	0·92	6	1·57	2·04	5·65	5·87	21·11	22·34
		Jhenidah ..	...	0·12	0·48	...	0·05	...	0·38	3	1·03	2·06	4·61	5·77	23·05	21·96
		Magoorah ..	0·07	0·27	0·23	0·05	...	0·23	0·09	3	0·94	1·86	8·10	5·85	26·44	21·39
		Bongong ..	...	0·35	0·12	...	...	...	1·15	3	1·62	1·92	7·31	6·02	21·57	19·37
	Moorshedabad	Kandi ...	...	...	0·40	...	0·35	...	0·90	3	1·65	2·37	3·59	7·17	16·67	19·77
		Berhampore ...	...	...	0·41	0·08	...	...	0·38	2	0·87	2·27	3·28	6·30	18·02	19·25
		Lalbagh ...	0·06	0·25	0·09	0·20	0·03	...	1·47	3	2·10	2·22	4·85	5·70	21·32	17·94
		Azimgunge ...	0·10	...	0·15	0·12	...	...	1·56	4	1·93	2·26	6·18	5·97	19·49	19·18
		Jungipore ..	0·05	...	0·10	...	...	0·15	0·48	3	0·78	2·01	8·23	6·11	21·06	18·78
		Lalgola ..	...	...	...	0·20	...	...	1·50	2	1·70	2·17	7·29	6·49	23·44	20·70
		Azimgunj ...	...	...	0·28	0·05	...	0·11	0·60	3	1·04	?	5·69	?	22·23	?
		Patkabari	...	1·35	...	0·60	...	0·20	...	3	2·15	?	4·15	?	24·75	?
EAST BENGAL	Chittagong	Cox's Bazar ...	...	...	...	0·70	2·20	5·62	...	3	8·52	8·04	20·96	22·44	43·85	64·00
		Chittagong ...	...	...	...	0·28	3·27	0·70	0·02	3	4·27	4·95	27·74	11·86	43·07	42·37
		Kutubdia ..	...	0·15								?		?		?
		Satkanya ..	...	0·07	...	0·12	2·00	0·50				?		?		?
	Chittagong Hill Tracts.	Rangamati ...	...	0·21	...	...	0·25	0·12	0·87	4	1·45	3·69	48·29	9·83	60·44	34·14
		Bundarban ...	...	...	0·15	...	0·61	0·63	...	3	1·39	?	48·23	?	60·38	?
	Backergunge	Patuakhally...	0·13	0·45	...	0·62	1·10	1·05	0·10	6	3·45	4·65	9·62	11·84	28·34	39·84
		Perozepore .	0·11	...	0·27	...	2·58	0·20	...	4	3·16	3·27	9·97	8·76	29·30	29·16
		Burrisal ..	...	0·05	0·37	0·53	0·05	0·47	0·05	3	1·52	3·46	10·84	8·69	22·92	29·82
		Bhola ...	...	0·10	0·03	0·32	1·35	0·24	...	5	2·34	4·44	9·71	11·39	26·90	37·54

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 18th of July 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 12th July.	Monday, 13th July.	Tuesday, 14th July.	Wednesday, 15th July.	Thursday, 16th July.	Friday, 17th July.	Saturday, 18th July.	Total. Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL—concld.		*Gournaddi* ...	0·07	0·24	0·20	...	0·32	...	...	3	0·83	?	6·89	?	29·40	?
		Bauphal ...	...	0·05	...	1·11	2·00	0·12	0·15	4	3·43	?	10·32	?	25·63	?
	Noakholly ...	Noakholly ...	0·02	0·02	...	0·63	0·80	0·87	...	3	2·34	5·32	9·43	12·91	30·21	44·84
		Fenny ...	...	...	0·25	0·24	0·20	1·72				4·80		13·14		47·96
		Harishpore ...	...	...	0·15	1·10						?		?		?
		Ramganj ...	...	...	...	0·76	0·32	0·75	...	3	1·83	?	6·00	?	25·39	?
	Furreedpore	Madaripore ...	...	0·05	1·26	...	0·65	...	0·07	2	2·03	2·38	8·83	6·41	19·32	23·94
		Furreedpore ...	0·02	0·17	...	0·15	0·16	4·46	0·08	4	5·04	1·84	9·82	6·10	25·08	23·48
		Goalundo ...	...	...	0·24	...	...	2·14	...	2	2·38	2·14	4·47	6·06	19·65	21·56
	Dacca ..	Munshigunge	...	...	0·15	0·06	0·13	...	...	2	0·34	3·88	6·89	9·35	26·24	29·77
		Dacca ...	...	0·07	0·36	0·01	0·12	0·07	...	2	0·63	3·44	8·90	7·67	35·51	25·28
		Naraingunge	...	...	0·24	0·27	0·09	0·06	...	2	0·66	3·30	7·34	7·77	32·37	26·99
		Manickgunge	0·03	0·05	0·23	0·27	...	1·62	...	3	2·20	2·58	5·73	6·83	27·48	20·23
		Joydebpore	...	...	0·46	0·73	0·21	0·79	0·02	4	2·21	?	6·34	?	28·64	?
	Hill Tipperah Tipperah ...	Agartola ..	0·30	0·20	...	...	0·39	0·10	0·60	5	1·50	2·14	8·10	6·34	40·40	25·34
		Comilla ..	...	...	0·08	...	0·52	...	0·13	2	0·53	3·25	5·26	8·86	34·92	33·20
		Chandpore ..	...	...	...	0·20	0·40	...	...	2	0·64	3·28	4·96	8·29	23·57	29·32
		Brahmunberia	...	..	...	...	2·03	...	...	1	2·03	2·92	10·25	7·10	34·53	26·63
		Ramchandrapore ...	...	...	0·24	0·30	1·60	...	...	3	2·14	?	10·83	?	33·95	?
		Nasirnagar ...	...	...	...	...	...	0·40				?		?		?
		Daudkandi ..										?		?		?
		Kasba ..	...	...	...	0·15	1·78	0·04	0·11	3	2·08	?	?	?	?	?
		Laksham ..	...	...	...	0·45	4·15	...	0·30	3	4·90	?	11·70	?	38·70	?
	Mymensingh..	Kishoregunge	...	...	0·52	1·12	0·31	...	0·08	3	2·03	2·87	10·24	7·24	51·82	31·17
		Atia (*Tangail*)	...	...	0·08	...	...	0·71	...	1	0·79	2·75	4·34	6·34	27·63	22·79
		Mymensingh	0·14	0·09	0·06	0·11	0·15	0·55	0·02	4	1·12	3·04	7·52	8·14	32·87	33·28
		Jamalpore ..	...	...	...	...	0·69	1·07				2·09		6·99		25·95
		Netrokona ...	...	...	0·26	0·60	0·91	0·32	...	4	2·09	3·25	8·35	9·05	51·73	37·44
		Subornakhali	...	...	...	...	...	2·50	0·10	2	2·60	?	6·87	?	20·88	?
		Durgapore ...	...	...	0·81	1·70	0·23	2·00				?		?		?
		Sherepore Town	0·22	..	...	...	...	1·35	...	2	1·57	?	8·42	?	29·06	?
		Dewanganj .	...	0·11	...	...	1·24	1·21				?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	0·22	...	0·91	...	0·22	...	...	3	1·35	1·70	4·50	5·30	17·30	20·51
		Serajgunge ..	...	...	...	...	0·05	3·70	...	1	3·75	2·24	6·91	6·52	26·25	21·93
	Bogra ...	Sherepore ..	...	...	...	1·15	...	0·50	0·11	3	1·76	2·41	3·86	7·37	16·91	25·07
		Nowkhilla ...	...	0·05	...	2·02	0·02	0·18	0·21	3	2·78	2·22	5·35	6·44	26·74	24·01
		Bogra ..	0·02	0·02	0·02	1·33	0·34	0·10	0·03	3	1·86	2·72	7·01	8·34	23·42	27·66
		Panchbibi ..	...	...	...	0·72	...	1·22	0·37	3	2·31	2·87	9·49	7·93	24·51	24·79
	Rajshahye ...	Beauleah ..	0·05	...	0·10	0·11	0·77	0·83	0·84	5	2·79	2·58	5·35	7·68	19·83	20·63
		Nattore ..	0·10	...	0·27	0·20	0·03	1·80	1·55	5	3·95	2·50	7·57	7·14	27·49	21·73
		Naogaon ..	...	...	0·55		2·00					2·37		6·04		24·24
		Lalpore ...	...	...	...	...	...	...	...	Nil	Nil	?	4·99	?	18·31	?
		Manda .	...	...	...	0·30	...	...	...	1	0·30	?	4·40	?	15·96	?
	Maldah ...	Maldah	...	...	...	0·24	...	0·68	0·40	3	1·32	2·34	6·33	7·02	19·53	21·82
		Chauchal ...	0·10	0·07	...	0·61	0·77	0·01	0·81	4	2·37	1·88	9·48	7·67	18·42	23·55
		Gajol ...	...	...	...	0·55	1·30	0·40	1·45	4	3·70	?	17·20	?	28·32	?
		Sibganj ...	...	0·04	0·09	0·39	...	...	0·61	2	1·13	?	7·35	?	23·05	?
	Dinagepore ...	Mohadebpore	...	...	...	0·60	...	0·02	0·40	3	1·62	2·45	9·77	6·33	16·05	23·98
		Churamon ..	...	0·05	...	0·13	3·71	...	1·13	3	5·02	1·89	17·79	6·90	29·22	22·49
		Raigunge ..	...	...	0·60	2·30	0·75	1·12	0·70	5	5·47	2·54	22·43	7·16	41·32	26·50
		Dinagepore .	...	...	0·12	0·58	2·78	0·59	0·14	5	4·21	2·82	16·48	7·88	29·36	30·07
		Baloorghat	...	...	...	0·37	0·41	1·17	0·29	4	2·24	1·01	11·55	[illegible]	25·86	25·04
		Thakoorgaon	...	...	3·55	1·77	0·04	0·65	...	4	6·01	?	27·38	?	48·56	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	0·10	0·15	0·06	0·60	...	0·10	0·50	6	2·41	2·19	16·41	6·84	35·92	27·52
		Rungpore ...	0·02	0·01	0·80	0·45	0·15	1·43	...	4	2·86	2·67	16·30	10·36	40·69	37·27
		Kurigram ..	...	...	1·01	1·06	...	...	...	2	2·07	2·41	15·36	8·05	56·42	39·05
		Bagdogra (*Nilphamari*)	...	...	0·21	4·25	0·61	0·39	...	4	5·46	3·04	23·22	8·76	41·63	44·29
		Ulipore ...	...	...	...	1·85	...	...	...	1	1·85	?	15·87	?	38·10	?
	Julpigoree ...	Julpigoree ..	0·33	0·53	0·21	0·14	0·08	0·07	0·06	4	1·42	5·93	12·80	14·03	31·45	53·06
		Alipore Dooar	0·30	...	...	7·70	0·28	...	...	3	8·37	?	20·58	?	50·11	?
		Fallacotta ...	0·27	...	...	1·68	...	...	0·13	3	2·08	?	15·54	?	32·57	?
		Debiganj ...	0·?4	0·46	0·48	7·13	0·45	0·02	...	4	8·58	?	34·12	?	46·30	?
		Bhagalpore (*Nagrakatta*)	0·50	0·57	0·05	0·31	...	0·61	0·03	4	2·07	?	14·32	?	39·83	?
	Cooch Behar..	Dinhatta ...	0·05	...	0·52	1·90	0·28	0·14	0·20	5	2·89	2·93	21·22	8·42	47·23	47·51
		Cooch Behar .	...	...	0·10	5·10	0·60	...	0·18	4	6·04	4·27	25·85	12·73	54·17	59·46
		Mekligunge	...	0·10	2·00	1·66	0·18	...	0·49	5	4·43	4·89	18·75	11·87	45·82	49·77
		Matabhanga...	0·04	0·02	0·12	5·07	0·81	0·02	0·65	4	6·73	5·55	19·42	15·81	48·64	55·08
	Darjeeling Hill.	Buxa .	0·14	1·20	0·65	0·68	0·04	0·16	0·22	6	3·09	9·20	21·30	30·2?	67·49	92·05
		Silliguri .	1·09	0·98	...	0·19	0·08	0·56	0·17	5	3·07	4·25	11·65	19·80	30·19	57·34
		Darjeeling ...	0·77	0·62	0·72	0·02	2·43	0·99	0·14	6	5·74	6·77	12·70	17·91	40·42	49·69
		Kalimpong ..	0·83	0·30	...	0·05	0·15	0·22	0·85	5	2·40	4·15	5·97	15·92	21·37	40·25
		Kurseong ...	1·41	1·11	0·30	2·10	0·05	0·11	0·16	7	5·84	?	18·29	?	60·75	?
NORTH BEHAR	Purneah ...	Kissengunge...	...	...	...	...	0·47	...	0·38	2	0·85	2·78	15·52	9·55	39·34	31·03
		Arrareah ..	...	...	...	...	0·12	0·10	0·52	3	0·74	3·37	8·95	9·41	26·17	26·78
		Purneah .	...	...	0·31	0·10	0·12	0·09	0·17	4	0·88	3·64	4·98	8·21	29·05	23·57
		Gondwara ...										?		?		?
		Balarampore	...	...	0·20	0·25	0·11	...		3	0·56	?	5·37	?	10·73	?
		Matiari ...	0·20	...	...	0·55	0·42					?		?		?
		Kaliaganj ...	0·50	0·08	...	0·05	0·19	0·03	...			?		?		?
	North Bhagulpore.	Maddapore ...	...	...	...	...	2·72	...	0·33	2	3·05	2·17	7·13	6·52	18·16	18·31
		Soopoul ..	...	...	...	...	0·51	...	0·24	2	0·75	1·57	2·93	5·71	13·84	18·30
		Protabganj...	...	...	...	...	0·40	...	0·49	2	0·89	?	10·16	?	25·54	?
	Durbhunga ...	Tajpore ...	...	...	...	...	2·41	0·05	1·30	2	3·76	2·15	11·78	6·53	26·80	16·81
		Durbhunga ...	...	0·05	...	...	0·80	0·09	1·30	3	2·84	2·13	8·42	6·93	16·53	17·42
		Madhubani ...	...	0·03	...	...	0·62	0·56	0·26	3	1·47	1·62	6·52	5·80	16·84	17·22
		Bahera ...	...	...	...	...	0·?4	0·60	1·20	3	2·64	?	8·51	?	15·64	?
		Rosnera ...	...	...	...	...	0·40	0·30	...	2	0·70	?	2·81	?	7·87	?
	Mozufferpore	Sitamarhi ..	...	0·40	...	1·42	2·46	0·04	...	3	4·32	1·66	10·13	5·89	31·80	16·82
		Mozufferpore	...	...	...	0·48	0·64	0·12	0·35	4	1·59	2·06	8·29	6·49	16·96	16·96
		Hajipore ...	...	...	...	0·47	0·04	...	1·25	2	1·76	2·41	5·44	6·58	14·77	15·75
		Paru ...	...	...	...	...	1·55	...	0·47	2	2·02	?	8·82	?	?	?
		Mahua ...	...	...	...	1·70	...	1·33	...	2	3·03	?	7·78	?	15·43	?
		Siuhar ...	...	...	...	1·80	0·96	...	...	2	2·76	?	8·11	?	15·41	?
		Pupri ...	...	...	...	...	0·00	0·33	...	2	0·33	?	13·79	?	22·07	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 18th of July 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 12th July.	Monday, 13th July.	Tuesday, 14th July.	Wednesday, 15th July.	Thursday, 16th July.	Friday, 17th July.	Saturday, 18th July.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 10th May 1891.	Average rainfall from 10th May to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari .	......	......	......	1·34	1·29	0·18	0·09	3	2·90	1·46	6·91	6·12	21·31	16·56
		Bettiah ..	......	0·01	......	1·78	1·00	0·33	0·02	3	3·14	2·26	8·08	7·65	19·45	18·69
		Baqaha ...	......	......	......	2·85	0·27	0·40	0·40	4	3·92	?	12·29	?	36·65	?
		Burhurwa .	0·01	......	......	1·09	0·47	......	0·38	3	1·95	?	5·87	?	19·26	?
	Sarun ...	Gopalgunge ...	......	......	......	0·50	0·78	......	......	2	1·28	1·95	7·95	6·71	21·78	15·85
		Sewan .	......	......	0·22	0·23	0·27	0·23	......	4	0·95	2·31	2·18	6·18	16·08	15·59
		Chuprah ...	......	......	......	0·38	......	2·15	0·96	3	3·49	1·79	5·10	6·43	10·89	14·45
SOUTH BEHAR	Shahabad	Buxar	......	......	......	0·55	......	......	0·65	2	1·20	1·87	2·00	5·67	4·51	12·07
		Dehree .	0·08	......	......	......	0·59	0·09	0·04	1	0·71	2·91	3·30	6·31	8·16	13·17
		Bhaboоah ...	3·60	......	......	......	......	......	......	1	3·60	2·78	5·06	7·22	6·55	13·74
		Sasseram ...	0·35	......	......	......	0·09	......	......	1	0·44	1·99	1·62	5·95	6·39	12·30
		Arrah ...	......	......	......	......	0·27	0·65	......	2	0·92	1·60	3·07	5·54	11·64	13·89
		Mohaniah ..										?		?		?
	Gya	Aurungabad...	0·10	......	......	......	0·52	0·20	0·16	4	0·98	2·70	5·35	6·34	10·56	14·64
		Gya ...	......	......	......	......	......	1·66	0·52	2	2·18	2·44	6·57	6·05	13·21	14·47
		Nowadah ...	......	......	......	......	0·28	0·20	0·21	3	0·69	1·65	7·64	5·27	17·39	13·78
		Jehanabad ...	......	......	......	......	......	1·58	1·08	2	2·66	2·30	9·08	6·49	15·66	14·07
		Arwal ..	......	......	......	......	......	1·60	......	1	1·60	?	4·85	?	8·53	?
		Aurungabad .	......	......	......	0·18	0·50	0·40	......	3	1·08	?	2·35	?	5·05	?
		Sherryhatti .	......	......	......	......	......	......	0·25	1	0·25	?	2·40	?	7·08	?
		Rajauli ..	......	......	......	......	0·35	2·00	1·00	3	3·35	?	8·91	?	20·51	?
		PakriBarawan	......	......	......	......	1·75	......	1·70	2	3·45	?	7·72	?	14·13	?
	Patna	Patna ...	......	......	......	......	0·50	0·30	1·36	3	2·16	2·00	5·08	5·76	17·62	15·51
		Dinapore .	......	......	......	0·28	......					1·61		5·56		14·49
		Behar ...	......	......	......	......	0·76	0·07	2·72	2	3·55	1·98	14·60	5·87	23·01	15·27
		Barrh ...	......	......	......	......	0·50	......	4·00	2	4·50	2·04	10·05	6·18	23·83	14·23
		Bickram ...	......	......	......	......	......	1·05	1·24	2	2·29	?	5·23	?	15·60	?
		Hilsa ...	......	......	......	......	......	0·60	1·15	2	1·75	?	6·30	?	21·81	?
	Monghyr ...	Bogooserai ...	......	......	......	......	2·75	0·30	0·99	3	4·04	2·20	7·27	5·26	15·69	14·57
		Monghyr	......	......	......	0·57	......	0·20	0·11	3	0·88	2·18	3·89	5·50	15·64	15·33
		Jamui .	......	......	......	0·42	0·21	0·60	1·36	4	2·59	2·14	8·04	6·11	17·31	15·08
		Gogri ...										?		?		?
		Sheikpura ..	......	......	......	......	......	1·10	......	1	1·10	?	7·79	?	19·24	?
	South Bhagulpore	Bhagulpore ..	......	......	......	0·08	2·58	0·19	0·34	3	3·19	2·38	10·93	5·65	21·97	15·90
		Banka .	0·31	......	0·10	......	......	0·04	0·15	3	0·59	2·34	6·01	5·75	18·20	16·15
		Kolgong ...	0·15	......	......	......	......	0·28	0·15	3	0·58	?	7·36	?	17·55	?
		Bangaon ...	......	......	......	......	......	2·35	......	1	2·35	?	8·42	?	17·52	?
	Sonthal Pergunnahs.	Rajmohal ...	0·13	0·03	0·02	0·07	0·08	0·89	1·01	3	2·23	2·10	7·75	7·27	20·86	21·73
		Godda ...	0·15	......	......	......	......	1·15	0·07	3	1·07	2·30	8·09	5·96	16·52	16·08
		Pakour	0·06	......	0·03	1·47	......	0·39	0·02	2	1·96	2·35	3·14	7·00	16·98	22·00
		Nya Doomka	0·17	0·07	0·08	......	1·54	......	0·08	2	1·89	2·76	6·01	8·61	17·20	20·76
		Deoghur .	0·05	......	0·02	......	0·75	0·38	2·15	3	3·35	2·65	7·30	6·40	14·01	18·27
		Jamtara ...	0·36	0·07	......	......	3·12	0·30	3·54	4	7·39	2·60	9·93	6·88	24·72	18·15
		Mohagama ..	......	......	......	......	......	3·10				?		?		?
		Nanihut ...	......	......	......	......	......	1·07	......	1	1·07	?		?		?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba (*Girids*). ...	......	0·14	......	3·77	1·08	0·69	0·14	5	5·82	2·22	9·96	6·76	20·94	17·33
		Hazaribagh .	0·41	0·13	......	0·37	......	0·51	0·32	5	1·74	2·39	7·23	6·40	15·52	16·91
		Semtagurah	0·10	......	......	0·65	......	0·68	......	3	1·43	2·56	5·70	6·31	11·75	17·32
		Mahudi Hills										2·40		6·54		16·79
		Jhoomra Hills										3·52		8·40		22·50
		Barhi ...	......	......	......	......	0·13	4·08	0·35	3	4·56	?	8·86	?	17·36	?
		Chatra ...	0·10	......	......	......	......	2·60	0·27	3	2·97	?	6·06	?	9·30	?
		Karagdeha ...	......	......	......	0·79	0·79	......	1·49	3	3·07	?	9·57	?	20·77	?
		Ramghar ..	......	......	1·30	......	0·70	......	1·30	3	3·30	?		?		?
	Lohardugga ..	Lohardugga...	......	......	......	......	......	0·50	......	1	0·50	2·37	7·26	6·55	12·92	17·52
		Ranchi ...	1·06	0·11	......	0·12	0·18	0·09	0·06	4	1·62	3·03	4·20	7·02	10·88	18·98
		Palamow .	......	......	......	......	0·18					2·29		7·00		14·93
		Silli ...	0·05	0·10	......	0·40	2·90	2·15	......	4	5·60	?	7·05	?	14·80	?
		Balumat ..	......	......	0·24	0·40	......	0·42	......	3	1·06	?	9·32	?	12·06	?
		Hosseinabad										?		?		?
		Gurwah ..	......	......	......	......	......	0·11				?		?		?
	Singbhoom ..	Chyebassa ...	1·28	0·07	......	1·05	0·77	0·61	0·36	5	4·14	3·62	6·49	7·60	13·71	19·08
		Chakradharpore.	......	......	......	......	9·16	1·21	0·20	3	10·87	?	13·17	?	21·51	?
		Ghatsilla ...	0·70	......	......	......	0·50	......	......	2	1·20	?	3·40	?	16·22	?
		Baharagura	0·50	......	......	......	......	0·84				?		?		?
	Manbhoom .	Purulia ...	0·12	0·07	......	0·16	3·84	1·53	0·40	5	6·12	2·71	11·37	7·00	23·37	18·34
		Gobindpore ..	0·04	......	0·12	0·10	2·26	1·08	0·28	5	3·88	2·50	9·46	6·65	[illegible]	16·27
		Raghunathpore.	0·21	0·17	......	......	0·80	......	1·40	4	2·58	?	9·14	?	11·00	?
		Barrabhoom	0·78	0·20	......	......	0·75	0·12	0·30	5	2·15	?	6·68	?	15·53	?
		Jhalda ...	......	......	......	......	1·20	5·30	......	2	6·50	?	10·58	?	18·25	?
		Chas ...	0·05	......	......	0·50	3·75	1·30	......	3	5·60	?	9·27	?	20·71	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 21*st July* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 18TH OF JULY 1891.

At the close of the previous week a very slight area of low pressure had developed near Saugor Island, and this was accompanied by a distinct though feeble cyclonic circulation of winds, while over the remainder of the province a fairly strong easterly and south-easterly wind current was reported. On the 12th a very rapid increase of pressure had taken place, the increase equalling 0·16" to 0·18" and being smallest in Orissa. The area of minimum pressure therefore retreated southward from Saugor Island to Pooree and Gopalpore, round which there was again a feeble cyclonic circulation while easterly winds were blowing over the whole of Bengal. Fairly general rain was reported on this day in Orissa and the southern parts of Chutia Nagpur, but over the remainder of the province local showers only were received. The pressure changes on the 13th were very small, and the general distribution remained unaltered, while the winds also had undergone little change; but on this day rainfall became rather more general in South-West Bengal, though the falls in East and North Bengal, in Behar, and in Chutia Nagpur remained very light and local. On the 14th a rapid fall of pressure set in which was largest in the north of the province and smallest in Orissa, so that the area of low pressure over Orissa disappeared, and the lowest pressures were reported from the normal position in the west of Behar. With this changed pressure distribution winds became more southerly over the southern part of the province, though they still remained strongly easterly at the northern stations. On this day fairly general though light rain was received in Orissa and South-West Bengal and rather less general rain in East and North Bengal, but Behar and Chutia Nagpur continued almost rainless. On the 15th pressure had again fallen rapidly over the whole province, the fall being largest at the south-eastern stations, and pressure became largely in defect, particularly at the eastern and northern stations. With this new distribution of pressure westerly winds commenced to blow over Orissa, Chutia Nagpur, and the west of Behar, partially driving back the moist easterly current which was previously blowing, and on this date the rainfall reported in Orissa, South-West Bengal, and Chutia Nagpur was light and local, but in East and North Bengal and North Behar heavier and more frequent falls were received. On the 16th pressure continued to fall in South-East and East Bengal, though it was rising elsewhere, and on this day there was a feeble but distinct low-pressure area formed, represented by such stations as Dacca, Mymensingh, Bogra, and Berhampore. The westerly and south-westerly winds on the 16th had extended over South Bengal, but to the north of the feeble depression winds were south-easterly and easterly. Conditions were hence much more favourable for rainfall, and on the 16th general and rather heavy rain was registered in South-West, East, and North Bengal, North Behar, Chutia Nagpur, and parts of South Behar, though Orissa was almost rainless. On the 17th there was a rather rapid increase of pressure, the rise being largest over the area previously occupied by the feeble depression, which hence practically filled up. Conditions, however, were still favourable for rainfall, and on the 17th general and fairly heavy rain was reported from all districts except Orissa. On the 18th, or the last day of the week, the changes of pressure were small, and the previous distribution remained practically unaltered, and the general pressure distribution was fairly normal; winds were more or less westerly in Orissa and Chutia Nagpur, but in other districts they were usually south-easterly and easterly. Again fairly general rain was reported on the 18th in South-West and North Bengal, in Behar, and in Chutia Nagpur, while the falls were less general in East Bengal, and, as before, Orissa was to a great extent rainless.

Conditions, therefore, have generally been of light monsoon character throughout the week, and fairly good rain has fallen on about three or four days out of the seven over the whole province. In most districts the falls have been moderate in amount, the only exception being in Orissa, where on the whole falls have been decidedly light and only about half the normal amounts.

Pressure—Has varied considerably during the week, though the variations have to a considerable extent neutralized each other. For the whole week, therefore, the mean pressure has not been very far removed from the normal, and the variations usually do not exceed one or two-hundredths of an inch. At the majority of stations pressure has been in defect of the normal, but at almost a fifth of the stations very slight excess pressures have been registered.

Temperature.—The variations of temperature during the week have not been very large, and they have mainly followed the variations in the amount of rainfall. In Orissa, in South-West and East Bengal, in South Behar and in Chutia Nagpur, the mean temperature for the week has been very slightly in excess of the normal, but the largest excess only equals three-tenths of a degree. In North Bengal and North Behar temperature has been in defect, the deficiency in North Bengal being very slight, though in North Behar it equals 1·1°. For the whole province of Bengal the mean temperature for the week has been almost absolutely normal. In Assam for the week a defect of 0·5° has been registered.

Rainfall.—The daily rainfall has already been referred to in detail under the general description of the weather. Fairly general rain was received in Orissa on the first three or four days of the week, but during this period the rainfall in the other divisions was lighter and

more local. In South-West Bengal rainfall was most general on the 13th and 14th and from the 16th to the 18th. In East Bengal rainfall principally occurred between the 14th and 17th, and in North Bengal from the 14th to the 18th. In Behar the falls have been rather less frequent, and they have generally occurred from the 16th to the 18th, and in Chutia Nagpur many falls occurred on the 12th and from the 15th to the 18th. Speaking generally, falls have occurred on about three or on three to four days in the week in all the divisions of the province. Heavy falls have also occurred at some stations, and amounts in excess of five inches in a single day have been received at Murarai in the Beerbhoom district (5·13 inches), Fenny (6·20 inches), Cox's Bazar (5·62 inches), Cooch Behar (5·16 inches), Matabhanga (5·07 inches), Debigunge (7·13 inches), Alipore Dooar (7·70 inches), Pupri (6 inches), Jhalda (5·30 inches), and Chakradharpore in the Singbhoom district (9·46 inches). Falls in a single day in excess of three and four inches have been very numerous.

The average rainfall at the various stations in Chutia Nagpur and North Bengal has been between three and three and-a-half-inches, and in South-West and East Bengal and in Behar between about two and two and-a-half inches, while in Orissa the average fall has been rather less than one and-a-half inches. These figures represent a moderate excess above the normal rainfall in Chutia Nagpur, and an almost normal fall in North Bengal and Behar; in South-West Bengal the fall is slightly in defect, and in East Bengal more largely in defect, the deficiency equalling about a fourth of the normal fall. In Orissa the defect has again been very large, as it was in the previous week, and here the fall has been less than half the usual amount for the week.

In the case of the districts in these larger divisions, all those in Orissa, and also the 24-Pergunnahs, Howrah, Hooghly, Bankoora, Chittagong Hill Tracts, Darjeeling, Purneah, Comilla, and Dacca districts have shown rather large defects throughout the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 18th of July 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	Of week. Average.	Normal average.	Variation.	Rainy days. Average number in week.	Normal average number in week.	Variation.	Since 1st of month. Average.	Normal average.	Since 15th May 1891. Average.	Normal average.
Orissa	93·9	75·1	87·3	79·4	83·4	+0·2	1·45	2·98	−1·53	3·00	3·55	−0·55	3·55	7·19	9·43	18·93
South-West Bengal ...	93·8	77·3	80·3	79·1	84·2	+0·1	2·10	2·45	−0·35	3·57	3·59	−0·02	6·34	6·62	19·55	20·06
East Bengal	93·0	75·8	87·6	78·5	83·0	+0·3	2·58	3·51	−0·93	3·00	4·10	−1·10	10·63	9·18	32·27	32·79
North Bengal	93·0	75·1	89·0	79·0	84·0	−0·3	3·19	2·82	+0·37	3·72	3·22	+0·50	12·88	8·41	30·44	31·96
North Behar	94·3	73·8	89·1	78·5	83·8	−1·1	2·11	2·21	−0·10	2·81	2·55	+0·26	7·45	6·92	20·24	18·76
South Behar	98·4	73·8	91·0	79·3	85·2	+0·3	2·33	2·25	+0·08	2·50	3·14	−0·64	6·45	6·12	15·59	15·58
Chutia Nagpur	88·2*	71·3*	83·8*	73·4*	78·6*	+0·2*	3·37	2·71	+0·66	4·27	3·88	+0·39	7·72	6·93	15·57	17·81
Assam	94·1	76·8	89·0	78·6	83·8	−0·5										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 21st July 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 12th to 18th July 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
July ...	12th ...	29·609	84·9	92·0	14·2	77·8	86·6	81·5	1·008	79·5	80	0·08
,, ...	13th ...	·626	84·2	90·5	12·7	77·8	87·1	82·5	1·049	80·7	82	0·11
,, ...	14th ...	·558	86·2	93·0	13·7	79·3	87·0	81·5	1·001	79·8	78	0·41
,, ...	15th ...	·499	86 9	94·0	14·2	79·8	89·6	83·5	1·065	81·2	77	...
,, ...	16th ...	·543	82·7	86·7	7·9	78·8	80·8	79·5	·992	79·0	96	..
,, ...	17th ...	·545	83·9	89·8	11·8	78·0	86·1	82·5	1·063	81·1	85	0·19
,, ...	18th ...	·552	86·4	93·0	13·2	79·8	87·6	82·5	1·043	80·5	80	0·02

	Inches.
The mean 10 A.M. pressure of the seven days	29·562
	°
The mean temperature of the seven days	85·0
The extreme variation of temperature	16·2
The maximum temperature	94·0
The mean 10 A.M. relative humidity of the seven days	83
	Inches.
The total fall of rain from 12th to 18th July 1891	0·81

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 20th July 1891.

MEMORANDUM.

Report on the Monthly Statistics of Deaths registered in forty-five districts of Bengal for the month of April 1891.

THE total number of deaths registered in forty-five districts of Bengal during the month of April 1891 amounted to 161,980, against 138,260 in April 1890, and an average of 133,312 in the corresponding months of the previous five years (1886—90). These figures yield a death-rate of 29·52, 25·08, and 24·24 per 1,000, respectively, of the aggregate population of those districts, which is 65,859,534. The death-rate of April 1891 is 5·28 higher than the mean rate of the corresponding months of the past five years 1886—90, and is also higher than the rate of the corresponding period of any of the past five years with which comparison is instituted, *vide* the figures below:—

	April 1886.	April 1887.	April 1888.	April 1889.	April 1890.	Monthly average of five years 1886—90.	April 1891.
Number of deaths	114,795	125,355	130,850	157,301	138,260	133,312	161,980
Ratio per mille per annum	20·86	22·80	23·76	28·56	25·08	24·24	29·52

The death-rate during April 1891, as will be seen from the following table, is less than that during the preceding month, but greater than that during the first two months of the year:—

Months.			*Number of deaths.*	*Ratio per mille.*
January 1891	...	...	143,492	26·04
February „	...	...	137,553	24·96
March „	...	...	168,185	30·60
April „	...	...	161,980	29·52

Of the total deaths, 86,954 (31·92 per 1,000 per annum) occurred among the male population and 75,026 (ratio 27·12 per 1,000 per annum) among the female. As usual the registered results were, on the whole, greater among the male than among the female population, or relatively 118 males died to every 100 females, calculated on the proportion such mortality bears to the total male and female population.

The following table shows the highest proportions of deaths registered during the month of April 1891, arranged in order of sequence and compared with the mortality of the corresponding month of 1890:—

Districts.	Ratio per *mille* during— April 1891.	April 1890.	*Districts.*	Ratio per *mille* during— April 1891.	April 1890.
Julpaiguri	108·84	41·52	Noakhali	30·48	32·64
Purneah	96·72	29·76	Backerganj	30·00	27·72
Rungpore	81·00	28·56	Pubna	29·64	27·72
Darjiling	55·20	49·56	Rajshahye	29·52	32·04
Dinajpur	49·92	25·56	Burdwan	29·28	24·24
Nuddea	46·44	18·72	Faridpore	29·04	25·80
Bogra	36·96	26·52	Serampore	28·92	27·24
Bhagulpore	35·04	45·36	Midnapore	27·96	22·68
Maldah	34·56	31·08	Jessore	27·24	29·88
Manbhum	34·56	23·76	Hughli	26·88	28·44
Bankura	33·60	26·88	Hazaribagh	25·08	30·24
Murshedabad	30·72	23·28			

The maximum death-rate was recorded in Julpaiguri, 108·84 per mille per annum, and the minimum in Chumparun 12·24. Next to Julpaiguri come Purneah (96·72) and Rungpore (81·) with high death-rates. The high death-rates in these three districts are attributable to an excessive prevalence of cholera. In Julpaiguri 3,201 deaths from cholera were registered out of a total of 5,285, in Purneah 10,730 out of a total of 14,911, and in Rungpore 9,609 out of a total of 14,164. Judging by the results shown in the statement appended to this memorandum, the registration of deaths would appear to be very defective in the districts—Chumparun (12·24), Mozufferpore (13·80), Sarun (16·08), Gya (17·16), Singbhum (17·64), Durbhanga (18·00), Patna (18·12), and Tipperah (18·96), where the statistics were so imperfectly recorded that the ratio was less than 20 per 1,000 of population.

The total mortality during the month under review from the several registered death-causes is compared in the following table with the mortality from those causes in the corresponding month of 1890 and the average of the previous five years 1886—90:—

				Ratio per *mille* during— April 1891.	April 1890.	Monthly average of five years 1886—90.
Cholera	...	...	...	8·04	3·00	3·84
Small-pox	...	...	...	·24	·36	·12
Fever	...	...	...	16·80	17·64	16·08
Dysentery and diarrhœa		...	...	·48	·60	·72
Injury	...	...	...	·24	·24	·24
Other causes	...	...	...	3·24	3·00	3·00

It will be seen that the death-rate of April 1891 under the head Cholera is considerably higher than in the two past periods with which it is compared, but as compared with April 1890 there is a slight diminution in the mortality of April 1891 under the head Fever.

Cholera caused 44,769 deaths (ratio 8·04 per mille per annum) against 26,773 (ratio 4·80) in the month previous. The disease was prevalent in all the districts, and was mostly felt in Purneah, Julpaiguri, and Rungpore where the mortality rates were 69·60, 65·88 and 54·96 per mille per annum respectively. The next highest rate occurred in Nuddea 24·60, then in Dinajpur 18·36, Bogra 14·16, Faridpore 10·92, Maldah 8·76, Bhagulpore 8·64, Murshedabad 8·16, Dacca 6·84, Pubna 6·48, Mymensing 5·76, Burdwan 5·16, Birbhum, Rajshahye and Darjiling 3·96 each, Backerganj 3·84, Jessore 3·60, Tipperah and Shahabad 3·48 each, Hughli 3·12 Midnapore 2·76, Manbhum 2·64, 24-Pergunnahs 2·52, Bankura and Serampore 2·16 each, and Khulna 2·04.

The deaths from *small-pox* numbered 1,926 (ratio ·24 per mille per annum) against 2,507 (ratio ·36) in the preceding month. The greatest sufferers were Midnapore 2·76, Cuttack 2·28, and Chittagong 1·20. Seven districts, viz., Birbhum, Rajshahye, Pubna, Darjiling, Bhagulpore, Maldah and Manbhum, enjoyed perfect immunity from the pest.

Fever proved fatal in 92,474 instances (ratio 16·80 per 1,000 of population per annum) and *dysentery and diarrhœa* in 3,078 (ratio ·48) against 110,802 (ratio 20·16) and 3,989 (ratio ·72), respectively, in the month before. Every district returned deaths from both ailments. The highest fever death-rate occurred in Julpaiguri 41·28 per mille per annum, and the lowest in Poori 5·04. Darjiling stands next to Julpaiguri with the highest fever death-rate of 39·60, followed by Dinajpur 29·28, Noakhali 26·28, Purneah and Manbhum 26·04 each, Maldah 24·12, Rungpore 23·40, Rajshahye 22·92, Bhagulpore 22·20, Pubna 21·96, Jessore 21·36 and Birbhum 20·16. Darjiling returned the highest death-rate from dysentery and diarrhœa 3·84, and the lowest ·02 occurred in Khulna. Next to Darjiling Howrah suffered most from dysentery and diarrhœa with a death-rate of 3·60 per mille, followed by Balasore 3·36 and Serampore 3·

Injury caused 1,930 deaths (ratio ·24 per mille per annum) against 1,384 (ratio ·24) in the previous month, and the deaths from all other causes not specified amounted to 17,803 (ratio 3·24 per mille per annum) against 22,720 (ratio 4·08) in preceding month. Poori returned the highest death-rate from the unspecified diseases coming under the head "Other causes," viz., 13·32 per mille per annum.

The death-rates among the five principal *classes* of the community, which comprise the population of the Bengal Province, viz., Mahomedans, Hindus, Other classes, Buddhists, and Christians, arranged in order from highest to lowest, compared with the mortality-rate among these classes in the corresponding month of 1890, are given in the following statement:—

	Ratio per *mille* during—	
	April 1891.	April 1890.
Mahomedans	32·04	25·20
Hindus	28·44	25·32
Other classes	23·40	20·16
Buddhists	20·88	15·96
Christians	16·32	11·40

With regard to *Age*, infants (under one year), as usual, perished in the largest numbers, 179·40 per 1,000 of population per annum; next came old persons (60 years and upwards) with a death-rate of 63·48 per 1,000. The lowest death-rate occurred between the ages of 10 and under 15 years, 15·84 per 1,000.

Detailed information regarding the mortuary statistics of the forty-five districts of Bengal during the month under review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 20th July 1891.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of April 1891.

1	2	3			4							5							6		7		8		9
		POPULATION.			MORTALITY ACCORDING TO— Disease. Deaths from—							Ratio per 1,000 of population per annum.							Comparison with previous periods.		Sex. Deaths among—		Ratio per 1,000 of population per annum.		
DIVISIONS.	DISTRICTS.	Males.	Females.	Total.	Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
BURDWAN	Burdwan	668,295	723,528	1,391,823	599	11	2,147	66	12	503	*3,398*	5·16	·08	18·48	·48	·09	4·80	*29·28*	42·48	24·24	1,859	1,539	33·36	25·44	131
	Bankura	507,136	534,616	1,041,752	190	11	1,230	37	20	345	*1,833*	2·16	·12	14·16	·36	·12	3·96	*21·00*	31·80	20·76	1,032	801	24·36	17·88	136
	Birbhum	381,563	412,865	794,428	246	...	1,336	11	18	600	*2,231*	3·96	...	20·16	·12	·24	9·00	*33·60*	49·92	26·88	1,179	1,052	36·96	30·48	121
	Midnapore	1,243,195	1,272,370	2,515,565	599	584	3,801	185	48	664	*5,881*	2·76	2·76	18·12	·84	·12	3·12	*27·96*	41·28	22·68	3,117	2,764	30·00	26·04	115
	Hughli	315,665	347,385	663,050	176	4	989	102	19	199	*1,489*	3·12	·07	17·88	1·80	·24	3·60	*26·88*	40·68	28·44	810	679	30·72	23·40	131
	Serampore	174,366	177,589	351,955	65	2	552	89	19	122	*849*	2·16	·06	18·72	3·00	·60	4·08	*28·92*	36·36	27·24	428	421	29·40	28·44	103
	Total (Hughli including Serampore).	490,031	524,974	1,015,005	241	6	1,541	191	38	321	*2,338*	2·76	·06	18·12	2·16	·36	3·72	*27·60*	39·12	27·96	1,238	1,100	30·24	25·08	120
	Howrah	316,479	318,902	635,381	104	14	595	191	25	294	*1,223*	1·92	·24	11·16	3·60	·36	5·52	*23·04*	40·08	25·80	649	574	24·60	21·48	114
PRESIDENCY	24-Pergunnahs	860,841	812,521	1,673,362	361	11	2,171	86	94	249	*2,971*	2·52	·07	15·48	·60	·60	1·68	*21·24*	37·92	19·32	1,624	1,347	22·56	19·80	113
	Nuddea	805,779	849,942	1,655,721	3,406	19	2,545	38	63	354	*6,424*	24·60	·12	18·36	·24	·36	2·52	*46·44*	36·24	18·72	3,336	3,088	49·68	43·56	114
	Jessore	959,271	980,104	1,939,375	583	4	3,455	12	70	252	*4,406*	3·60	·02	21·36	·07	·36	1·68	*27·24*	38·12	29·88	2,460	1,946	30·72	23·76	129
	Murshidabad	556,483	640,307	1,226,790	845	3	1,915	15	31	332	*3,141*	8·16	·02	18·72	·12	·24	3·24	*30·72*	32·04	23·28	1,664	1,477	33·96	27·60	123
	Khulna	568,402	511,546	1,079,948	185	2	1,569	3	51	192	*2,002*	2·04	·01	17·40	·02	·48	2·04	*22·20*	30·36	23·68	1,142	860	24·00	20·16	119
RAJSHAHYE	Dinajpur	782,292	732,054	1,514,346	2,321	2	3,702	15	24	216	*6,302*	18·36	·01	29·28	·10	·1	1·90	*49·92*	53·04	25·56	3,366	2,936	51·60	48·12	107
	Rajshahye	660,040	678,205	1,338,245	447	...	2,358	1	19	260	*3,295*	3·96	...	22·92	·008	·24	2·28	*29·52*	32·16	32·04	1,751	1,514	32·28	26·76	120
	Rungpore	1,067,701	1,030,263	2,097,964	9,609	5	4,108	35	18	359	*14,164*	54·96	·02	23·40	·12	·09	2·16	*81·00*	55·68	28·56	7,299	6,865	81·96	79·92	102
	Bogra	372,863	361,868	734,731	870	7	1,138	12	31	207	*2,265*	14·16	·10	18·48	·12	·48	3·36	*36·96*	37·08	26·52	1,190	1,075	38·28	35·64	107
	Pubna	648,311	663,417	1,311,728	714	...	2,406	18	27	81	*3,246*	6·48	...	21·96	·12	·24	·72	*29·64*	25·56	27·72	1,807	1,439	33·36	25·92	125
	Darjiling	89,351	66,294	155,645	52	...	514	50	12	69	*717*	3·96	...	39·60	3·84	·84	6·84	*55·20*	48·72	49·56	405	312	54·36	56·40	96
	Julpaiguri	305,972	276,418	582,390	3,201	2	2,008	11	9	64	*5,285*	65·88	·03	41·28	·12	·12	1·08	*108·84*	56·52	41·52	2,675	2,610	104·88	113·28	92
DACCA	Dacca	1,033,863	1,082,487	2,116,350	1,219	10	2,132	74	72	503	*3,910*	6·84	·04	11·52	·36	·36	2·76	*22·08*	24·24	19·08	2,178	1,732	25·20	19·20	131
	Faridpore	805,989	825,745	1,631,734	1,496	12	2,082	47	34	279	*3,950*	10·92	·08	15·24	·24	·24	2·04	*29·04*	23·28	25·80	2,165	1,785	32·16	25·92	124
	Backerganj	973,479	927,410	1,900,889	612	13	2,803	41	119	1,180	*4,768*	3·84	·07	17·64	·24	·72	7·44	*30·00*	39·00	27·72	2,618	2,150	32·16	27·72	116
	Maimansing	1,555,810	1,501,103	3,056,943	1,470	52	3,162	60	45	495	*5,284*	5·76	·12	12·36	·12	·12	1·92	*20·52*	25·32	20·40	2,900	2,324	23·40	18·96	123
CHITTAGONG	Chittagong	531,649	600,692	1,132,341	87	121	1,711	51	68	209	*2,247*	·84	1·20	18·12	·48	·72	2·16	*23·76*	29·88	18·24	1,193	1,054	26·88	21·00	128
	Noakhali	415,248	405,524	820,772	91	13	1,799	16	52	119	*2,090*	1·32	·12	26·28	·12	·72	1·68	*30·48*	38·16	32·64	1,162	928	33·48	27·36	123
	Tipperah	768,450	745,911	1,514,361	440	3	1,521	82	76	271	*2,402*	3·48	·01	12·00	·60	·60	2·04	*18·96*	30·72	20·88	1,330	1,072	20·76	17·16	120
PATNA	Patna	856,501	895,058	1,751,559	116	93	1,765	100	40	538	*2,652*	·72	·60	12·00	·60	·24	3·60	*18·12*	17·28	26·88	1,444	1,208	20·16	16·08	125
	Gya	1,043,441	1,061,241	2,104,682	29	117	2,415	23	63	413	*3,049*	·12	·60	13·56	·12	·24	2·28	*17·16*	18·24	26·88	1,827	1,422	18·60	15·72	118
	Shahabad	950,250	1,014,659	1,964,909	574	41	2,328	31	60	282	*3,314*	3·48	·24	14·16	·12	·36	1·68	*20·16*	18·96	27·48	1,787	1,527	22·56	18·00	135
	Mozufferpore	1,265,731	1,316,329	2,582,060	39	37	2,302	103	71	380	*2,992*	·12	·12	10·92	·36	·24	1·68	*13·80*	18·60	18·96	1,702	1,290	16·08	11·64	138
	Durbhanga	1,295,768	1,337,659	2,633,447	296	52	3,128	54	72	363	*3,965*	1·32	·12	14·16	·24	·24	1·56	*18·00*	21·00	29·64	2,174	1,791	20·04	15·96	125
	Sarun	1,085,847	1,199,832	2,285,679	63	66	1,481	189	90	1,196	*3,076*	·24	·24	7·68	·84	·36	6·24	*16·08*	18·60	18·36	1,731	1,345	19·08	18·44	141
	Chumparun	870,627	850,981	1,721,608	1	51	1,302	31	50	346	*1,771*	·006	·24	9·10	·12	·24	2·28	*12·24*	15·00	22·32	972	799	13·32	11·16	119
BHAGULPORE	Monghyr	969,124	1,000,650	1,969,774	66	6	3,066	42	42	473	*3,635*	·36	·03	18·24	·24	·24	2·88	*22·08*	23·32	29·16	1,889	1,746	23·28	20·88	111
	Bhagulpore	979,119	987,039	1,966,158	1,427	...	3,652	55	38	579	*5,751*	8·64	...	22·20	·24	·12	3·48	*35·04*	29·40	45·36	3,084	2,667	37·68	32·40	116
	Purneah	937,080	911,607	1,848,687	10,730	13	4,019	28	24	97	*14,911*	69·60	·08	26·04	·12	·12	·60	*96·72*	42·84	29·76	7,889	7,023	100·92	92·40	109
	Maldah	346,998	363,450	710,448	519	...	1,451	6	7	85	*2,048*	8·76	...	24·12	·09	·10	1·32	*34·56*	29·52	31·08	1,147	901	39·60	29·64	133
	Sonthal Pergunnahs	785,330	782,763	1,568,093	219	5	2,547	15	23	266	*2,905*	1·80	·03	17·88	·10	·12	1·92	*22·20*	24·60	16·20	1,624	1,281	24·72	19·56	126
ORISSA	Cuttack	877,702	917,363	1,795,065	130	345	1,980	319	96	857	*3,718*	·84	2·28	13·20	2·04	·48	5·64	*24·84*	33·00	19·80	1,840	1,878	25·08	24·48	102
	Pooree	446,409	441,578	888,487	104	45	376	183	43	988	*1,739*	1·32	·60	5·04	2·40	·48	13·32	*23·40*	25·92	24·60	936	803	25·08	21·72	115
	Balasore	461,461	483,819	945,280	121	29	818	266	32	587	*1,844*	1·44	·24	10·32	3·36	·36	7·44	*23·40*	33·96	21·36	961	883	24·96	21·84	114
CHOTA NAGPORE	Hazaribagh	544,903	559,839	1,104,742	25	7	1,812	84	25	339	*2,312*	·12	·07	19·80	·84	·24	3·60	*25·08*	25·68	30·24	1,200	1,112	26·40	23·76	111
	Lohardugga	796,657	812,587	1,609,244	20	108	1,712	151	52	852	*2,803*	·12	·72	12·60	1·08	·12	6·48	*20·88*	25·68	21·00	1,515	1,288	22·80	18·96	120
	Singbhum	226,681	227,094	453,775	8	27	469	17	18	130	*669*	·12	·60	12·36	·36	·36	3·36	*17·64*	24·88	21·36	391	278	20·64	14·64	140
	Manbhum	525,328	532,900	1,058,228	236	...	2,304	51	18	444	*3,053*	2·64	...	26·04	·48	·12	4·92	*34·56*	43·20	23·76	1,613	1,440	36·84	32·40	113
	TOTAL FOR THE PROVINCE.	32,663,700	33,195,834	65,859,534	44,769	1,926	32,474	3,078	1,930	17,803	*161,980*	8·04	·24	16·80	·48	·24	3·24	*29·52*	30·60	25·08	86,954	75,026	31·92	27·12	118

MORTALITY ACCORDING TO—

Divisions.	Districts.	10. Class. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	11. Class. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	12. Age. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	13. Age. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
BURDWAN ...	Burdwan	3	2,837	558	...	..	39·48	30·76	25·32	...	...	616	288	177	143	206	403	413	379	354	419	234·72	26·28	12·72	12·84	29·16	18·84	22·32	29·76	43·80	63·12
	Bankura	...	1,648	72	...	113	...	21·72	18·00	...	15·96	357	201	139	85	9[illegible]	207	189	145	13[illegible]	277	154·76	19·84	11·04	9·36	12·36	14·16	15·36	18·12	28·16	59·64
	Birbhum	...	1,774	457	...	...	...	34·44	33·72	...	...	597	216	107	64	109	204	233	175	184	341	429·24	32·4[illegible]	12·72	9·72	19·32	18·00	22·68	25·24	38·04	88·56
	Midnapore	...	5,256	358	...	287	...	28·08	26·16	...	29·28	923	805	478	262	395	706	509	549	459	706	177·12	35·16	16·44	12·72	20·64	17·76	19·56	28·08	33·52	61·80
	Hughli	1	1,185	303	...	...	41·28	26·64	27·96	...	...	228	109	79	52	95	186	194	190	140	216	161·28	22·08	13·80	10·08	19·08	17·16	21·72	30·12	35·04	70·08
	Serampore	...	730	119	...	...	...	30·00	23·88	...	...	130	108	77	39	50	97	94	58	68	128	155·76	40·56	27·36	15·24	19·08	16·44	19·32	16·92	32·28	78·84
	Total (Hughli including Serampore).	1	1,915	422	...	...	18·21	27·84	26·64	...	...	358	2[illegible]7	156	91	145	283	288	249	208	344	159·24	28·56	18·24	11·76	19·08	16·92	20·88	25·56	34·06	73·08
	Howrah	2	955	266	...	...	11·64	22·80	24·12	...	...	251	167	112	39	49	114	90	121	79	201	161·64	29·40	17·16	7·56	10·20	11·28	11·40	23·88	25·20	62·16
PRESIDENCY ...	24-Pergunnahs ...	10	1,879	1,[illegible]82	...	...	11·76	21·72	20·76	...	...	421	461	390	127	180	333	270	241	192	443	114·60	28·92	16·08	9·48	15·44	12·84	12·96	18·12	23·88	52·68
	Nuddea	15	2,250	4,159	...	...	27·96	37·08	54·12	...	...	764	1,406	780	353	322	587	579	517	381	755	240·48	83·04	36·96	24·48	31·80	26·88	30·60	37·32	40·32	86·64
	Jessore	...	1,634	2,742	...	...	...	25·92	28·08	...	...	598	590	433	277	278	497	431	439	335	524	139·56	30·84	17·88	16·92	22·56	15·24	19·68	27·36	32·04	53·16
	Murshidabad	1	1,[illegible]62	1,578	...	...	25·44	29·52	32·04	...	...	547	401	267	148	158	317	347	257	265	434	235·68	33·96	17·76	14·52	19·20	18·60	23·76	24·84	41·28	67·08
	Khulna	...	910	1,692	...	...	...	20·76	23·52	...	...	243	246	195	115	113	208	212	195	154	326	96·96	23·04	15·36	12·60	14·04	12·72	17·04	25·04	29·88	62·52
RAJSHAHYE ...	Dinajpur	2	3,546	2,754	...	...	52·44	59·28	41·52	...	...	645	530	475	479	500	1,089	1,002	716	416	441	221·04	37·20	22·44	38·40	51·24	50·76	53·16	58·44	62·52	71·04
	Rajshahye	...	621	2,674	...	...	...	25·68	30·48	...	...	573	461	295	190	245	447	3[illegible]3	301	174	244	219·60	34·20	16·44	17·04	23·20	23·28	22·56	28·20	29·2[illegible]	41·64
	Rungpore	...	8,330	5,834	...	...	...	132·40	54·6[illegible]	...	...	757	1,025	1,364	1,190	1,514	2,761	2,219	1,466	887	979	177·12	51·24	52·20	71·64	119·16	94·44	79·04	82·68	81·00	108·80
	Bogra	...	868	1,897	...	...	...	31·32	35·28	...	...	290	298	243	139	161	312	249	199	142	232	226·32	36·96	23·88	22·92	32·40	30·00	28·32	36·36	46·68	75·36
	Pubna	...	753	2,494	...	...	...	24·98	31·44	...	...	455	648	387	198	157	273	290	231	165	422	150·84	44·52	22·08	18·84	19·92	16·08	19·20	22·68	27·00	58·20
	Darjiling	2	635	39	41	...	28·41	59·83	57·00	26·16	...	52	83	56	51	54	129	138	53	41	60	199·32	61·20	36·00	39·00	48·96	44·28	64·32	46·44	67·80	105·32
	Julpaiguri	...	4,035	1,248	...	2	...	131·28	71·76	...	5·16	379	424	467	409	455	801	848	635	403	461	281·52	73·56	63·60	80·40	131·52	99·60	119·88	129·84	142·56	171·36
DACCA ...	Dacca	17	1,515	2,378	...	...	23·16	21·12	22·80	...	...	527	615	370	210	217	437	372	310	243	609	107·40	25·32	13·80	11·04	16·08	15·72	15·96	19·80	25·92	54·96
	Faridpore	2	1,295	2,653	...	...	8·64	23·64	32·64	...	...	495	757	474	265	250	315	354	324	293	4[illegible]3	146·52	42·36	23·64	18·24	24·84	14·16	18·96	24·96	35·76	51·72
	Backerganj	3	1,184	3,581	...	...	9·60	22·68	33·84	...	...	1,019	737	505	225	262	402	374	339	311	594	261·60	35·40	22·68	13·80	19·08	14·04	17·28	23·76	33·60	72·00
	Maimansing	1	1,767	3,316	...	...	79·44	21·36	21·61	...	...	558	677	536	300	345	725	623	465	364	685	89·76	19·84	12·84	11·64	16·80	17·04	17·88	21·00	27·96	48·24
CHITTAGONG ...	Chittagong	1	419	1,730	97	...	11·23	18·24	25·80	21·48	...	883	440	209	106	109	190	183	149	141	337	139·08	35·76	15·32	9·24	13·56	13·56	15·84	18·36	25·08	65·52
	Noakhali	2	459	1,623	...	...	40·8[illegible]	26·04	32·04	...	...	366	466	208	105	110	170	140	113	119	293	198·64	49·80	18·84	14·04	18·96	15·60	15·84	19·32	30·84	81·84
	Tipperah	...	866	1,595	1	...	...	18·96	18·96	32·04	...	333	339	155	142	170	294	294	215	161	265	112·80	19·44	9·36	10·32	15·96	14·28	17·52	19·44	23·40	40·32
PATNA ...	Patna	4	2,377	271	...	...	18·48	18·48	15·[illegible]4	...	...	620	470	157	81	66	202	170	204	227	455	180·12	26·52	8·16	5·76	6·96	8·28	7·92	12·96	21·72	42·48
	Gya	...	2,743	306	...	...	...	17·40	15·72	...	...	75[illegible]	522	183	113	87	203	233	258	279	419	210·36	22·56	7·44	6·48	7·44	6·84	8·88	13·68	23·40	39·72
	Shahabad	...	3,015	269	...	...	...	20·04	21·96	...	...	508	528	249	121	116	334	397	276	293	49[illegible]	135·72	25·80	10·92	7·08	10·80	12·24	15·84	16·68	20·28	46·32
	Mozufferpore ...	...	2,697	295	...	...	...	14·28	11·16	...	...	367	448	232	120	100	250	259	312	331	573	90·00	14·44	6·96	5·52	7·08	7·20	8·04	13·68	23·40	44·52
	Durbhanga	...	3,513	452	...	...	...	23·28	17·52	...	...	563	691	343	155	155	347	391	324	436	565	134·16	25·68	9·24	7·32	10·32	10·20	11·64	13·92	30·60	48·12
	Sarun	...	2,764	512	...	...	...	16·44	13·80	...	...	545	438	172	88	77	270	263	276	257	685	122·04	18·72	6·12	4·32	6·24	5·88	9·12	13·68	21·84	59·52
	Chumparun	7	1,[illegible]61	[illegible]	...	...	43·32	12·60	9·96	...	...	256	228	95	71	55	153	201	195	162	355	69·48	13·44	4·68	4·80	5·76	6·24	8·76	12·96	18·60	44·52
BHAGULPORE...	Monghyr	...	3,513	312	...	...	...	22·32	20·52	...	...	924	646	181	138	90	218	243	262	253	661	300·72	31·56	7·20	8·04	7·08	8·40	9·96	15·36	25·92	69·96
	Bhagulpore	1	5,276	394	...	...	20·76	36·36	25·44	...	...	974	921	445	300	249	610	631	565	470	566	317·16	48·02	17·04	17·04	21·00	22·44	24·84	35·52	51·96	70·92
	Purneah	...	9,210	5,7[illegible]1	...	...	...	102·6[illegible]	8[illegible]·68	...	...	597	1,4[illegible]	1,651	1,175	1,073	2,671	2,378	1,642	1,125	1,12[illegible]	180·98	83·40	68·52	74·04	94·03	102·96	97·44	104·76	114·52	144·60
	Maldah	...	1,2[illegible]	758	...	1	...	40·68	27·80	...	6·84	251	376	179	125	126	236	207	165	109	274	152·76	54·0[illegible]	19·68	20·40	25·20	24·24	25·60	23·52	34·56	76·20
	Sonthal Pergunnahs	2	1,6[illegible]	1[illegible]5	...	1,080	7·80	23·16	20·28	...	21·24	471	392	206	131	157	321	351	298	265	34[illegible]	18[illegible]	21·64	8·64	8·64	16·56	16·68	18·84	25·64	40·44	52·92
ORISSA ...	Cuttack	2	5,6[illegible]3	73	...	...	10·20	24·96	18·36	...	...	935	525	2[illegible]5	91	157	307	31[illegible]	272	326	6[illegible]	295·56	27·72	9·00	5·64	13·80	12·12	15·48	20·40	33·84	63·84
	Pooree	...	1,706	[illegible]	...	...	...	25·40	28·20	...	...	412	161	90	59	72	179	132	166	156	312	325·08	17·04	8·40	7·92	12·84	13·56	12·48	23·64	31·68	75·72
	Balasore	6	1,5[illegible]7	31	...	...	58·32	23·64	15·60	...	...	522	161	108	54	64	159	172	146	162	293	304·92	17·16	9·12	6·24	10·44	11·64	15·60	18·84	35·40	76·92
CHOTA NAGPORE.	Hazaribagh	...	[illegible]	197	...	135	...	21·84	22·20	...	31·22	656	313	115	60	57	177	216	2[illegible]5	186	304	219·72	26·04	7·32	6·12	9·00	11·76	16·32	27·36	40·32	83·88
	Lohardugga	43	1,173	154	...	1,453	14·16	16·20	23·76	...	27·36	692	309	208	140	13[illegible]	273	281	235	230	294	194·88	15·48	9·24	9·24	14·28	12·36	15·00	21·60	36·24	54·24
	Singhbhum	5	[illegible]1	3	...	..	29·14	17·64	15·36	...	...	116	78	46	37	30	64	63	73	77	76	159·24	15·12	7·32	8·64	12·24	10·32	11·76	22·32	41·04	46·80
	Manbhum	1	2,777	133	...	142	21·60	35·16	35·04	...	25·50	522	413	260	141	197	282	261	284	311	402	218·88	35·52	17·16	15·84	26·04	20·04	21·36	36·36	66·00	92·52
	TOTAL FOR THE PROVINCE.	133	101,5[illegible]6	56,[illegible]99	139	3,253	16·32	28·44	32·04	20·88	23·40	23,158	21,658	14,016	8,917	9,672	19,503	18,244	14,328	12,252	19,[illegible]2	179·40	31·92	16·92	15·84	23·16	21·12	22·92	28·08	37·68	63·48

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 20th July 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 4th July 1891.

BIRTHS.

THE total births registered during the week ending with Saturday, the 4th July 1891, in twenty-seven principal towns of Bengal, amounted to 320, and correspond to an annual rate of 15·5 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 2·6 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	16·1	21·3	18·9	18·0	16·1	18·1	15·5

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

TOWNS.	WEEKS ENDING— 13th June 1891.	20th June 1891.	27th June 1891.	4th July 1891.	TOWNS.	WEEKS ENDING— 13th June 1891.	20th June 1891.	27th June 1891.	4th July 1891.
Burdwan	45·8	22·9	24·4	25·9	Narainganj	8·3	24·8	20·7	20·7
Midnapore	17·0	10·8	18·6	15·5	Chittagong	18·8	2·3	11·7	16·4
Hughli and Chinsurah	29·5	26·3	29·5	14·8	Comillah	11·6	11·6	11·6	19·3
Serampore	23·6	11·8	21·6	25·5	Patna City	7·8	11·0	12·3	7·5
Utterpara	9·4	18·9	28·3	18·9	Gya	15·7	19·1	23·9	19·1
Howrah	17·2	16·0	11·5	14·3	Arrah	16·7	35·9	27·5	15·6
Bali	10·5	10·5	14·0	17·5	Mozufferpore	33·8	32·8	28·0	20·7
Krishnagar	15·1	13·2	11·4	18·9	Durbhanga	29·9	15·7	23·8	22·0
Ranaghat	6·0	...	6·0	12·0	Chupra	18·1	14·1	22·1	15·1
Santipore	10·5	5·2	17·5	14·0	Bhagulpore	21·3	22·1	14·5	12·2
Jessore	18·4	6·1	...	6·1	Monghyr	28·0	23·5	35·3	29·8
Rampore Beauleah	42·0	18·4	15·8	15·8	Purneah	...	...	3·4	3·4
Darjiling	29·6	14·8	29·6	7·4	Poori	18·9	21·0	23·1	21·0
Dacca	14·3	16·2	13·0	6·5	Total ...	18·9	17·0	18·0	15·5

It will be seen that last week the highest birth-rate was returned from Monghyr (29·8) and the lowest from Purneah (3·4).

DEATHS.

The total deaths registered during the week under review amounted to 516, and correspond to an annual rate of 25· per 1,000 of the population. The rate of the week is 1·8 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years except 1887, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	23·2	25·2	18·9	28·9	19·9	23·2	25 0

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING— 13th June 1891.	20th June 1891.	27th June 1891.	4th July 1891.	TOWNS.	WEEKS ENDING— 13th June 1891.	20th June 1891.	27th June 1891.	4th July 1891.
Burdwan	42·7	15·3	48·8	10·7	Narainganj	16·6	24·8	4·1	8·3
Midnapore	17·0	18·6	9·3	18·6	Chittagong	25·8	21·1	14·1	18·8
Hughli and Chinsurah	24·6	24·6	45·9	23·0	Comillah	23 1	15·4	30·8	23·1
Serampore	41·2	27·5	41·2	25·5	Patna City	14·3	19·8	27 3	19·1
Utterpara	28·3	47·2	18·9	18·9	Gya	41·0	50·6	79·0	46·5
Howrah	16·6	23·5	18·3	15·5	Arrah	21·5	27·5	28·7	87·3
Bali	7·0	10·5	21·1	14·0	Mozufferpore	28·0	25·5	21·9	20·7
Krishnagar	7·6	9·5	17·0	5·7	Durbhanga	31·5	18·9	35·4	26·7
Ranaghat	12·0	18·0	12·0	6·0	Chupra	20·1	18·1	45·3	26·2
Santipore	5·3	...	1·7	3·5	Bhagulpore	45·0	25·9	40·4	43·4
Jessore	6·1	30·6	18·4	...	Monghyr	27·1	24·4	34·4	28·9
Rampore Beauleah	36·8	28·0	36·8	15·8	Purneah	6·9	13·0	6·9	6·9
Darjiling	44·5	7·4	96·3	44·5	Poori	14·7	27·3	33·6	14·7
Dacca	18·8	22·1	14·8	18·2	Total ...	23·9	23;1	31·4	25·0

According to the figures returned, the highest mortality occurred in the town of Arrah (87·3) and the lowest in Santipore (3·5). No deaths were registered during the week in the Jessore town.

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns:—

Cholera.	Ratio per *mille.*	*Small-pox.*	Ratio per *mille.*	*Fevers.*	Ratio per *mille.*	*Dysentery and diarrhœa.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Arrah ...	52·6	Gya ...	2·7	Arrah ...	20·3	Serampore ...	13·7	Midnapore ...	15·5
Bhagulpore	22·9							Monghyr ...	11·7
Gya ...	16·4							Poori ...	10·5
Mozufferpore	7·3								
Durbhanga	7·1								
Chupra ...	7·0								
Patna City...	6·5								
Dacca ...	5·8								

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 7·6 from cholera, against 6·9 in the preceding week; ·5 from small-pox, against ·7; 8·1 from fever, against 12·5; 2·2 from dysentery and diarrhœa, against 3·2; ·4 from injury, against ·5; and 6·2 from other causes, against 7·6 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows:—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	26·5	Christians ...	14·9	Under 1 year ...	181·7
Females	23·5	Hindus ...	26·3	1 and under 5 years ...	53·7
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	112	Mahomedans ...	22·3	5 " 10 " ...	18·3
				10 " 15 " ...	16·6
				15 " 20 " ...	17·2
				20 " 30 " ...	12·9
				30 " 40 " ...	13·2
				40 " 50 " ...	12·3
				50 " 60 " ...	21·3
				60 years and upwards ...	55·6

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. Gregg, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 21*st July* 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 4th July 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of Population per annum.				Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,068	16,117	34,080	5	12	*17*	7·6	18·3	*25·9*	41	...	...	2	1	1	3	*7*	...	...	3·1	1·5	1·5	4·6	*10·7*	48·8	3	4	8·6	13·0	66
Midnapore ...	Midnapore ...	16,927	16,633	33,560	5	5	*10*	7·7	7·7	*15·5*	100	...	1	1	...	...	10	*12*	...	1·5	1·5	...	...	15·5	*18·6*	9·3	5	7	15·4	21·9	70
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	7	2	*9*	11·5	3·3	*14·8*	350	...	...	10	1	1	2	*14*	...	...	16·4	1·6	1·6	3·3	*23·0*	45·9	12	2	39·3	6·6	595
Serampore ...	Serampore ...	13,559	12,937	26,496	8	5	*13*	15·7	9·8	*25·5*	160	1	...	3	7	...	2	*13*	1·9	...	5·9	13·7	...	3·9	*25·5*	41·2	6	7	23·0	28·1	81
	Utterpara	3,046	2,464	5,510	1	1	*2*	9·4	9·4	*18·9*	100	...	...	2	...	...	...	*2*	...	...	18·9	...	...	...	*18·9*	18·9	2	...	34·1	...	No female death.
Howrah ..	Howrah	53,153	37,660	90,813	14	11	*25*	8·0	6·3	*14·3*	127	3	...	7	4	1	12	*27*	1·7	...	4·0	2·3	·6	6·9	*15·5*	18·3	15	12	14·7	16·6	88
	Bali	7,836	6,979	14,815	3	2	*5*	10·5	7·0	*17·5*	150	...	...	3	...	1	...	*4*	...	...	10·5	...	3·5	...	*14·0*	21·1	1	3	6·6	22·4	29
Nuddea ..	Krishnagar ...	13,263	14,214	27,477	6	4	*10*	11·3	7·6	*18·9*	150	...	...	2	...	1	...	*3*	...	...	3·8	...	1·9	...	*5·7*	17·0	3	...	11·8	...	No female death.
	Ranaghat	4,028	4,655	8,683	1	1	*2*	6·0	6·0	*12·0*	105	...	...	1	...	...	...	*1*	...	...	6·0	...	...	...	*6·0*	12·0	1	...	12·9	...	Ditto.
	Santipore	13,708	15,979	29,687	5	3	*8*	8·7	5·3	*14·0*	166	...	...	2	...	...	...	*2*	...	...	3·5	...	...	...	*3·5*	1·7	1	1	3·8	3·3	115
Jessore ...	Jessore	4,830	3,665	8,495	1	...	*1*	6·1	...	*6·1*	No female birth.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18·4	...	...	...	...	......
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	5	1	*6*	13·1	2·6	*15·8*	500	1	...	4	...	1	...	*6*	2·6	...	10·5	...	2·6	...	*15·8*	...	4	2	19·3	11·5	167
Darjiling ...	Darjiling	4,579	2,439	7,018	...	1	*1*	...	7·4	*7·4*	No male birth.	...	...	3	3	...	...	*6*	...	...	23·2	22·2	...	..	*44·5*	96·3	5	1	56·8	21·3	266
Dacca ...	Dacca	42,782	37,379	80,161	6	4	*10*	3·9	2·6	*6·5*	150	9	...	8	2	...	9	*28*	5·8	...	5·2	1·3	...	5·8	*18·2*	14·3	14	14	17·0	19·5	87
	Narainganj ...	7,605	4,956	12,561	4	1	*5*	16·6	4·1	*20·7*	400	...	...	2	...	...	...	*2*	...	...	8·3	...	...	...	*8·3*	4·1	...	2	...	21·0	No male death.
Chittagong ...	Chittagong ...	13,340	8,790	22,130	3	4	*7*	7·0	9·4	*16·4*	75	...	1	5	...	...	2	*8*	...	2·3	11·7	...	...	4·7	*18·8*	14·1	3	5	11·7	29·6	39
Tipperah ...	Comillah	8,153	5,353	13,506	5	...	*5*	19·3	...	*19·3*	No female birth.	...	...	4	...	...	2	*6*	...	...	15·4	...	...	7·7	*23·1*	30·8	1	5	6·4	48·6	13
Patna	Patna City ...	78,762	81,475	160,237	13	10	*23*	4·2	3·2	*7·5*	130	20	1	17	5	1	15	*59*	6·5	·3	5·5	1·6	·3	4·9	*19·1*	27·3	26	33	17·2	21·1	81
Gya	Gya	38,290	37,831	76,121	16	12	*28*	10·9	8·2	*19·1*	133	24	4	26	...	...	14	*68*	16·4	2·7	17·8	...	...	9·6	*46·5*	79·9	40	28	54·3	38·5	141
Shahabad ...	Arrah	20,960	22,505	43,465	9	4	*13*	10·8	4·8	*15·6*	225	44	1	17	2	1	8	*73*	52·6	1·2	20·3	2·4	1·2	9·5	*87·3*	28·7	44	29	109·2	67·0	162
Mozufferpore..	Mozufferpore ...	23,084	19,658	42,742	9	8	*17*	10·9	9·7	*20·7*	112	6	2	4	4	...	1	*17*	7·3	2·4	4·9	4·9	...	1·2	*20·7*	21·9	8	9	18·0	23·8	75
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	12	16	*28*	9·4	12·6	*22·0*	75	9	...	12	3	...	10	*34*	7·1	...	9·4	2·4	...	7·8	*26·7*	35·4	18	16	27·7	25·7	107
Sarun	Chupra	25,116	26,554	51,670	9	6	*15*	9·1	6·0	*15·1*	150	7	1	6	2	1	9	*26*	7·0	1·0	6·0	2·0	1·0	9·1	*26·2*	45·3	15	11	31·1	21·5	144
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	9	7	*16*	6·8	5·3	*12·2*	128	30	...	13	5	...	9	*57*	22·9	...	9·9	3·8	...	6·8	*43·4*	40·4	32	25	47·7	39·0	122
Monghyr ...	Monghyr	28,154	29,366	57,520	19	14	*33*	17·2	12·6	*29·8*	135	2	...	13	4	...	13	*32*	1·8	...	11·7	3·6	...	11·7	*28·9*	34·4	18	14	33·2	24·8	133
Purneah ...	Purneah	8,463	6,553	15,016	1	...	*1*	3·4	...	*3·4*	No female birth.	...	..	1	...	...	1	*2*	...	...	3·4	...	...	3·4	*6·9*	6·9	2	...	12·3	...	No female death.
Poori	Poori	13,247	11,537	24,784	6	4	*10*	12·6	8·4	*21·0*	150	...	...	...	2	...	5	*7*	...	...	...	4·2	...	10·5	*14·7*	33·6	4	3	15·7	13·5	116
	Total ...	556,262	516,097	10,72,359	182	138	*320*	8·8	6·7	*15·5*	131	156	11	168	45	9	127	*516*	7·6	·5	8·1	2·2	·4	6·2	*25·0*	31·4	283	233	26·5	23·5	112

		13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
DISTRICTS.	NAMES OF MUNICIPALITIES	Deaths among—					Ratio per 1,000 of Population per annum.					Deaths.										Ratio per 1,000 of Population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	7	...	...	...	...	15·4	...	...	...	2	...	...	...	...	2	2	...	1	...	157·6	...	...	...	...	13·1	15·1	...	21·2	...
Midnapore ...	Midnapore ...	...	8	4	...	...	...	16·0	28·8	...	...	4	...	1	...	...	1	2	2	...	2	279·9	...	13·9	...	...	7·1	18·8	27·9	...	56·8
Hughli ...	Hughli and Chinsurah	...	13	1	...	...	...	26·7	8·4	...	...	3	...	...	1	...	2	3	2	...	3	194·3	...	...	21·0	...	16·8	27·3	25·0	...	75·2
Serampore ...	Serampore ...	...	12	1	...	..	...	24·7	55·4	...	...	...	3	3	1	...	2	...	...	1	3	...	86·4	62·1	23·4	...	19·3	...	...	27·2	112·1
	Utterpara	...	2	...	...	...	...	19·5	...	...	...	...	1	...	...	...	...	...	1	..	...	..	123·5	...	...	...	...	...	74·3	...	...
Howrah ...	Howrah	...	21	6	...	...	...	16·0	15·2	...	..	7	4	2	2	1	3	4	...	2	2	176·4	37·5	16·5	15·8	7·1	6·9	10·8	...	18·9	27·7
	Bali	...	4	...	...	...	...	15·5	...	...	..	...	...	1	...	...	2	...	...	...	1	...	...	48·8	...	...	31·1	...	...	...	71·0
Nuddea ...	Krishnagar ...	...	2	1	...	...	...	5·6	6·3	...	...	...	...	...	1	...	...	..	...	1	1	...	...	...	18·5	...	...	...	...	24·7	30·1
	Ranaghat	...	1	...	...	...	..	7·1	...	...	...	1	...	...	...	...	...	...	...	...	...	251·2	...	...	...	...	...	...	...	...	...
	Santipore	...	2	...	...	...	...	5·0	...	...	...	...	1	...	...	...	...	1	...	...	...	...	17·9	...	...	...	...	12·0	...	...	...
Jessore ...	Jessore .. .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah	...	3	3	...	...	...	15·7	15·9	...	...	...	...	...	1	1	2	1	...	1	...	...	...	...	25·9	31·3	25·0	14·4	...	41·9	...
Darjiling ...	Darjiling	...	6	...	...	...	...	67·9	...	...	...	1	1	3	...	...	1	...	...	...	...	429·8	80·9	266·7	...	...	26·0	...	...	...	...
Dacca	[Dac]ca	...	13	15	...	...	...	16·8	19·8	...	...	3	3	1	2	2	3	3	5	3	3	82·2	21·2	5·2	13·1	14·2	10·2	13·4	31·0	32·9	28·0
	Narainganj ...	...	1	1	...	...	...	8·2	8·4	...	...	...	2	...	...	...	...	...	...	...	...	...	91·2	...	...	...	...	...	...	...	...
Chittagong ...	Chittagong ..	...	2	6	...	...	...	17·9	20·4	...	...	2	1	...	1	1	1	2	...	...	...	184·7	26·4	...	20·2	21·5	11·2	31·2	...	...	...
Tipperah ...	Comillah	...	1	5	...	...	...	8·7	35·2	...	...	...	...	2	1	1	1	...	...	...	1	...	...	63·9	35·6	41·3	18·8	...	...	...	76·7
Patna	Patna City ...	...	45	14	...	...	...	19·7	17·8	...	...	7	8	7	7	7	5	3	2	4	9	84·5	23·5	21·6	25·3	32·6	9·0	6·7	5·5	14·7	33·9
Gya	Gya	...	53	15	...	...	...	45·9	48·5	...	...	7	15	5	4	2	8	9	5	5	8	203·4	122·8	37·2	30·9	19·9	28·3	36·8	26·6	39·6	86·8
Shahabad ...	Arrah	...	56	17	...	...	...	93·9	71·2	...	...	16	23	2	3	2	6	4	1	3	13	646·0	269·8	20·3	35·3	32·4	39·7	32·3	11·1	50·4	234·4
Mozufferpore ...	Mozufferpore ...	...	17	...	...	...	...	29·4	...	...	...	4	5	3	...	...	...	2	1	...	2	217·8	64·3	34·7	...	...	...	14·9	10·4	...	42·7
Durbhanga ...	Durbhanga ...	...	27	7	...	...	...	29·0	20·7	...	...	5	7	4	2	3	2	1	3	2	5	167·0	47·8	26·6	18·7	38·8	7·8	4·7	21·0	23·7	81·4
Sarun	Chupra	1	20	5	...	...	486·0	26·2	21·8	...	...	8	4	1	1	1	2	2	1	2	4	294·8	40·3	8·7	10·4	15·0	11·3	13·4	8·6	25·2	61·1
Bhagulpore ...	Bhagulpore ...	...	36	21	...	...	...	38·3	57·9	...	...	7	8	4	4	4	5	5	6	3	8	253·7	64·1	29·4	28·6	42·0	31·9	23·7	40·8	30·8	96·7
Monghyr ...	Monghyr	1	27	4	...	...	218·5	31·4	16·5	...	...	11	11	...	...	1	1	...	...	4	4	385·2	91·9	...	...	13·8	5·0	...	...	52·3	56·0
Purneah ...	Purneah	...	1	1	...	...	...	5.7	9·2	...	...	1	...	...	...	...	1	...	..	...	...	153·7	...	...	...	...	15·8	...	...	...	...
Poori ...	Poori	...	7	...	...	.	...	14·8	...	...	...	2	...	...	...	1	...	1	1	...	2	343·2	...	...	...	28·0	...	12·8	15·6	...	57·6
	TOTAL ...	2	357	127	...	...	14·9	26·3	22·3	...	...	91	97	33	31	27	53	45	30	32	71	154·7	55·7	18·2	16·6	17·2	12·9	13·2	12·3	21·3	55·6

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 20th July 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 18th July 1891, as compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 18TH JULY 1891.			WEEK ENDING SATURDAY, THE 19TH JULY 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	320	66,275	1,021	396	68,850	1,058
Jute	24	12,400	180	10	3,350	63
Firewood.	96	62,725	928	132	72,425	1,121
Other articles	665	1,87,790	2,929	861	2,53,100	3,409
Total ...	1,105	3,29,190	5,058	1,399	3,97,775	5,651

BENGAL CENTRAL RAILWAY.

Abstract of principal commodities carried over the Bengal Central Railway during the month of April 1891, as compared with the same month of the previous year.

STAPLES.	1891.		1890.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,696	4	2,952	32	2,003	2,984	.. ...	891
Cotton, raw	......	......	......	10	......	10	......	10
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles								
b.—In boxes								
2.—Indian—	453	......	385	......	453	385	68	......
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	13	347	101	7	360	108	252	......
5.—Others	182	2,208	140	123	2,390	263	2,127	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	......	52	......	15	52	15	37	......
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed	......	550	......	86	550	86	464	......
2.—Gunny-bags and cloth	35	......	16	......	35	16	19	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	59	2	78	3	61	81	......	20
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	164	......	71	......	164	71	93	......
3.—Others	136	......	232	......	136	232	......	96
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	94	2,270	119	718	2,364	837	1,527	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	......	1,475	......	959	1,475	959	516	......
3.—Others	95	172	79	240	265	319	......	54
Railway plant and rolling-stock	......	......	......	......	1,175	118	1,057	......
Salt	447	......	418	......	447	418	29	......
Sugar—								
1.—Drained	102	1,713	222	612	1,815	834	981	......
2.—Undrained								
Tobacco	52	90	28	82	148	110	38	......
All other articles of merchandise—								
1.—Unmanufactured	964	803	624	596	1,767	1,220	547	......
2.—Manufactured								
Total ...	4,490	9,092	5,465	3,483	15,750	9,060	7,755	1,071

Comparative statement, Bengal Central Railway, for April 1891.

INCREASES.

	Tons.		Tons.
Oil-seeds	1,527	Railway plant	1,057
Good crops and an improved market.		For repairs and renewals.	
Betel-nuts	516	Sugar	981
From Bengal Central Flotilla stations.		Improved outturn at Jhikargachi.	

DECREASES.

Coal ... ... 891 Sufficiency of stock for railway and flotilla consumption.

G. M. DRURY,
Traffic Superintendent.

CALCUTTA, *the* 17*th July* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the first 11 *days of July* 1891, *on* 1,525½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.*	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	*425,921	*4,21,264 1 0	40,26,839 10	10,05,997 6 0	28,451 6 0	14,55,712 13 0	114,273	172,077½	286,350½
Or per mile of railway	......	276 2 5	......	659 7 3	18 10 5	954 4 1	......	......	.. ..
For previous weeks of half-year	......	......	......	......	......	......	......	......	.. ...
Total for 11 days ...	425,921	4,21,264 1 0	40,26,839 10	10,05,997 6 0	28,451 6 0	14,55,712 13 0	114,273	172,077½	286,350½
Comparison.									
Total for corresponding first 12 days of previous year	403,559	4,02,541 6 0	32,45,660 30	7,50,570 15 8	20,144 13 11	11,82,257 3 7	111,054	143,359	254,413
Per mile of railway corresponding period of previous year ...	......	263 14 0	......	492 0 3	19 1 8	774 15 11	......	......	.....
Total to corresponding date of previous year	403,559	4,02,541 6 0	32,45,660 30	7,50,570 15 8	20,144 13 11	11,82,257 3 7	111,054	143,359	2,54,413

* The increase in coaching traffic is chiefly due to "Batipat yago," a bathing festival.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the first 11 *days of July* 1891, *on* 57½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	16,172	7,935 6 0	1,06,637 10	6,156 5 0	85 0 0	14,176 11 0	1,557	1,179	2,736
Or per mile of railway	283	138 11 8	1,864 20	107 10 1	1 7 9	247 13 6	.....	......	......
For previous weeks of half-year	......	...	......	......	......	......	......	......	.....
Total for 11 days ...	16,172	7,935 6 0	1,06,637 10	6,156 5 0	85 0 0	14,176 11 0	1,557	1,179	2,736
Comparison.									
Total for corresponding first 12 days of previous year ...	17,792½	8,809 1 8	73,507 20	4,354 13 0	71 4 6	13,325 3 2	1,475	1,413	2,888
Per mile of railway corresponding period of previous year ..	311	155 9 3	1,285 10	76 2 2	1 3 11	232 15 4	......	......	.....
Total to corresponding date of previous year	17,792½	8,809 1 8	73,507 20	4,354 13 0	71 4 6	13,325 3 2	1,475	1,413	2,888

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the first 11 *days of July* 1891, *on* 22½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ...	30,796	7,882 3 0	10,605 10	382 2 0	20 0 0	8,284 5 0	1,401	117	1,518
Or per mile of railway	......	354 4 1	......	17 2 9	0 14 5	372 5 3	......	......	.....
For previous weeks of half-year	......	......	......	......	......	.. ..	.. ...	......	.. ..
Total for 11 days ...	30,796	7,882 3 0	10,605 10	382 2 0	20 0 0	8,284 5 0	1,401	117	1,518
Comparison.									
Total for corresponding first 12 days of previous year	37,012½	9,087 0 10	8,636 20	303 2 0	4 3 6	9,394 6 4	1,559	91	1,650
Per mile of railway corresponding period of previous year ...	......	408 6 6	......	13 10 0	0 3 0	422 3 6	......	......	.....
Total to corresponding date of previous year	37,012½	9,087 0 10	8,636 20	303 2 0	4 3 6	9,394 6 4	1,559	91	1,650

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for the first 11 *days of July* 1891, *on* 162 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the period ..	28,201	17,793 12 0	64,668 30	11,288 9 3	110 0 0	29,192 5 3	10,767½	2,351	13,118½
Or per mile of railway	......	100 13 5	......	69 10 11	0 10 10	180 3 2	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 11 days ...	28,201	17,793 12 0	64,668 30	11,288 9 3	110 0 0	29,192 5 3	10,767½	2,351	13,118½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for first 11 *days of July* 1891, *on* 777 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 11 days	275,767	1,17,070 0 0	7,38,557 0	1,26,180 0 0	18,840 0 0	2,62,390 0 0	41,400	43,600	85,000
Or per mile of railway	177	75 0 0	475 0	81 0 0	* 1 0 0	157 0 0	......	......	......
For previous weeks of half-year	......	0 9 0	......	......	......	......	......	......	......
Total for 2 weeks ..	275,767	1,17,070 0 0	7 38,557 0	1,26,480 0 0	18,840 0 0	2,62,890 0 0	41,400	43,600	85,600
Comparison.									
Total for corresponding 12 days of previous year	256,831	1,18,539 0 0	7,23,870 0	1,27,869 0 0	24,931 0 0	2,71,339 0 0	42,975	45,788	88,763
Per mile of railway corresponding period of previous year ...	188	78 0 0	474 0	84 0 0	* 2 0 0	164 0 0	......	......	......
Total to corresponding date of previous year	256,831	1,18,539 0 0	7,23,870 0	1,27,869 0 0	24,931 0 0	2,71,339 0 0	42,975	45,788	88,702

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for first 11 *days of July* 1891, *on* 125 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 11 days	47,382	16,140 0 0	50,278 0	3,680 0 0	70 0 0	19,890 0 0	6,080	3,120	9,200
Or per mile of railway	139	65 0 0	201 0	15 0 0	......	80 0 0	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 2 weeks ...	47,382	16,140 0 0	50,278 0	3,680 0 0	70 0 0	19,890 0 0	6,080	3,120	9,200
Comparison.									
Total for corresponding 12 days of previous year	56,674	16,071 0 0	60,951 0	3,601 0 0	252 0 0	20,824 0 0	6,414	3,331	9,745
Per mile of railway corresponding period of previous year ...	227	68 0 0	244 0	14 0 0	1 0 0	83 0 0	......	......	......
Total to corresponding date of previous year	56,674	16,071 0 0	60,951 0	3,601 0 0	252 0 0	20,824 0 0	6,414	3,331	9,745

DACCA STATE RAILWAY.

Approximate Return of Traffic first 11 days of July 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 11 days	28,137	8,040 0 0	10,027 0	970 0 0	200 0 0	9,210 0 0	4,000	1,020	5,020
Or per mile of railway	164	47 0 0	58 0	6 0 0	1 0 0	54 0 0	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 2 weeks ...	28,137	8,040 0 0	10,027 0	970 0 0	200 0 0	9,210 0 0	4,000	1,020	5,020
Comparison.									
Total for corresponding 12 days of previous year	25,920	8,336 0 0	22,449 0	1,003 0 0	287 0 0	10,616 0 0	4,172	1,182	5,354
Per mile of railway corresponding period of previous year	151	48 0 0	130 0	12 0 0	2 0 0	62 0 0	......	......	......
Total to corresponding date of previous year	25,920	8,336 0 0	22,449 0	1,003 0 0	287 0 0	10,616 0 0	4,172	1,182	5,354

NALHATI STATE RAILWAY.

Approximate Return of Traffic for first 11 days of July 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for 11 days	5,329	1,980 0 0	19,678 0	1,070 0 0	30 0 0	3,080 0 0	820	870	1,690
Or per mile of railway	98	36 0 0	361 0	19 0 0	1 0 0	56 0 0	......	......	......
For previous weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 2 weeks ...	5,329	1,980 0 0	19,678 0	1,070 0 0	30 0 0	3,080 0 0	820	870	1,690
Comparison.									
Total for corresponding 12 days of previous year	6,401	2,414 0 0	28,426 0	1,566 0 0	62 0 0	4,042 0 0	937	1,025	1,962
Per mile of railway corresponding period of previous year ...	119	44 0 0	521 0	29 0 0	1 0 0	74 0 0	......	......	......
Total to corresponding date of previous year	6,401	2,414 0 0	28,426 0	1,566 0 0	62 0 0	4,042 0 0	937	1,025	1,962

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No. 30 of 1891.

SUPPLEMENT TO
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WEDNESDAY, JULY 29, 1891.

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CONTENTS.

REPORT ON THE LEGAL AFFAIRS OF THE GOVERNMENT OF BENGAL FOR THE YEAR 1890-91.

No. 2928J.

RESOLUTION.

JUDICIAL.

Dated Yacht "Rhotas," the 23rd July 1891.

READ—

The Report on the Legal Affairs of the Government of Bengal for the year 1890-91.

Read also—

The Reports for the two preceding years, and the orders of Government thereon.

Out of 4 appeal cases pending before the Privy Council at the close of the year 1889-90, only one was decided, the decision being against the Durbhunga Municipality as the respondent. One case was remanded to the first court for trial. No fresh appeal was instituted before the Privy Council during 1890-91.

2. The following statement shows the result of Government litigation in all the Civil Courts during the year 1890-91 as compared with the two previous years:—

	Original cases.			APPEALS. Before High Court.			APPEALS. Before Lower Courts.			Total.		
	1888-89.	1889-90.	1890-91.	1888-89.	1889-90.	1890-91.	1888-89.	1889-90.	1890-91.	1888-89.	1889-90.	1890-91.
Decided in favour of Government	280	254	243	23	50	23	26	44	45	329	348	311
Decided against Government	136	51	65	...	1	3	19	6	7	155	58	75
Compromised, remanded or withdrawn	55	39	57	...	5	1	2	4	1	57	48	59
Percentage in favour of Government (omitting fractions)	60	83	79	100	98	88	58	88	87	69	86	81

3. Taking the litigation in the High Court only, the percentage of cases decided in favour of Government decreased from 98 to 88. No explanation is given for this decrease. Of the three cases shown as decided against Government, two were for *chur* lands lying on the shores of the Bay of Bengal in the district of Backergunge. The question involved in the third case was concerning the currency of the settlement with a certain estate in Cuttack. In the Lower Appellate Courts the percentage of cases decided in favour of Government was 87 as against 88 in the previous year. There was only one important case decided against Government, in which the question at issue was the liability of the Eastern Bengal State Railway for silver coins and notes alleged to have been stolen in transit. The matter is now before the High Court on second appeal. The result of Government litigation in the Courts of First Instance was not favourable, there being a falling off in the proportion of cases decided in favour of Government from 83 to 79. Of the 65 cases decided against Government, 32 were land acquisition cases, in which the Collector's awards were slightly varied by the Judges on reference. Apart from these cases, the percentage in favour of Government would be 77 against 82 in 1889-90 and 65 in 1888-89.

4. The subjoined table shows the result of the litigation in which the Court of Wards was concerned in 1890-91 as compared with the two previous years:—

	Original cases.			Appeals.						Total.		
				Before High Court.			Before Lower Courts.					
	1888-89.	1889-90.	1890-91.	1888-89.	1889-90.	1890-91.	1888-89.	1889-90.	1890-91.	1888-89.	1889-90.	1890-91.
In favour of Court of Wards	745	514	628	11	14	15	62	56	68	818	584	711
Against Court of Wards	82	40	75	4	...	6	24	13	16	110	68	97
Compromised, remanded or withdrawn	33	42	21	...	2	3	10	10	6	43	54	30
Percentage in favour of Court of Wards (omitting fractions.)	90	91	89	73	100	71	72	81	81	88	90	88

The increase in the litigation is more apparent than real. It is explained that, as there was a considerable arrear at the close of 1889-90, the courts decided a greater number of cases in 1890-91 than in the preceding year. Of the six cases in the High Court decided adversely to the Court of Wards, only one calls for notice, viz., that in which the childless widow of a Midnapur zemindar, before making the adoption of the minor, had borrowed a sum of Rs. 20,000 at 18 per cent. compound interest, with half-yearly rests. A demand of Rs. 58,652 was subsequently made against the estate, but as the widow denied that she had any knowledge of the terms of the loan, the demand was resisted by the Court of Wards. The Subordinate Judge who heard the case gave a decision for the plaintiffs, which was, on appeal, confirmed by the High Court, though as the Legal Remembrancer points out, in another case of the same nature the Court had refused to allow, as against the minor's estate, higher interest than 12 per cent., the judgment being upheld by the Privy Council (I. L. R. XVIII Cal., 315). In 14 out of the 16 unsuccessful appeals in the Lower Appellate Courts, and in 70 out of the 75 original suits shown as decided against the Court of Wards, no reference was made to the Legal Remembrancer. It is explained that these were chiefly rent suits or settlement appeals, or suits for recovery of arrears of rent or dâk cess or bond debts. Out of the 628 original suits shown as decided in favour of the Court of Wards, upwards of 400 appear to have been instituted by the Managers on their own responsibility.

5. The following table shows the amount of Government decrees recovered during 1890-91 as compared with the two previous years:—

	1888-89.	1889-90.	1890-91.
	Rs.	Rs.	Rs.
Amount under realization	67,540	55,247	61,231
Realized during the year	30,281	11,659	14,790
Percentage of recovery	$44\frac{5}{6}$	$21\frac{1}{9}$	$24\frac{3}{20}$

The realizations during the year show a slight improvement as compared with the previous year, but are still far from satisfactory. Nearly Rs. 5,000 were remitted during the year. The largest outstanding balances are due from Bankoora (Rs. 5,999), Tipperah (Rs. 4,607), Chittagong (Rs. 2,562) and Balasore (Rs. 6,935).

6. The following figures show the amount of Wards' decrees recovered during the year as compared with the two previous years:—

	1888-89.	1889-90.	1890-91.
	Rs.	Rs.	Rs.
Amount under realization ...	13,94,090	11,74,880	11,92,016
Realized during the year ...	2,68,027	2,15,720	1,54,504
Percentage of recovery ...	19¼	18⅓	13

The percentage of recovery shows a serious falling off from 18⅓ to 13 which will be brought to the notice of the Board of Revenue through the Revenue Department. There was a large outstanding balance at the close of the last official year on account of the Nurhan Estate in the Durbhunga district. It is said that the Manager has not submitted his annual statement, although he has been repeatedly asked for it. The Revenue Department will be requested to take such notice of his conduct as may be deemed proper. The marginally noted estates show the balances specified against each. Out of the amount due from the Burdwan Raj Estate upwards of Rs. 40,000 are barred by limitation, and will have to be written off. In a great many cases the debtors are said to have no property.

	Rs.
Burdwan Raj Estate	2,75,382
Tikari Estate	1,81,660
Dighaputia Estate (eldest ward)	51,982
Ditto do. (three younger wards)	99,113
Deokumar and Dhurm Kumar's Estate...	60,615
Dhankura Estate	55,163
Dukhin Shahbazpore Estate	48,810
Baroda Prasad Roy Chowdhury's Estate	39,990
Srinuggur Estate	35,421
Sukhraj Roy's Estate	24,641
Shahabunder Estate	16,982
Khettrohat Estate	16,177
Basudebpore Estate	14,200

ORDER.—Ordered that a copy of this Resolution be forwarded to the Superintendent and Remembrancer of Legal Affairs for information.

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 25th July, 1891.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.					
		Western Districts.			
BURDWAN DIVN.	1	Burdwan	July 25, '91	1·32	Weather—seasonable. Transplantation of *aman* paddy going on. *Aus* and sugarcane doing well. More rain wanted at Assensole. Prices of common rice :— Srs. Burdwan ... ... 15 } Culna ... ... 15 } Cutwa ... ... 15⅓ } per rupee. Raneegunge ... ... 15½ }
		Culna	...	0·28	
		Cutwa	...	1·17	
		Raneegunge	...	0·29	
	2	Bankoora	„ 25, '91	1·53	Weather—cloudy with occasional light showers. Ploughing of fields and transplantation of *aman* going on. Sugarcane and other standing crops thriving. Common rice selling at 17½ seers per rupee at Bankoora.
		Bishenpur	...	1·74	
	3	Birbhum	„ 25, '91	1·07	Rain still too local and too slight. But the season has improved, and prospects are by no means bad, though transplanting, which is now going on, is backward because the rains set in late. Locusts passed on 16th and 18th, but did no harm at all. Prices of rice still range from 16 to 20 seers per rupee.
		Rampore Haut	...	2·41	
	4	Midnapur	„ 25, '91	4·26	Some rain nearly every day. Prospects improving. Paddy is being transplanted. Slight damage done by locusts in Sudder and Ghatal subdivisions. Indigo is being cut. Prices of common rice :— Srs. Sudder ... ... 17 } Contai ... ... 17 } Tamluk ... ... 16 } per rupee. Ghatal ... ... 16 }
	5	Hooghly	„ 25, '91	1·00	Weather—unsettled with heavy clouds and occasional storms of wind followed by rain. State and prospects of crops good. More rain required for high land cultivation. Prices of common rice :— Srs. Sudder ... ... 14 } Serampore ... ... 14 } per rupee. Jehanabad ... ... 17 }
		Serampore	...	2·06	
		Jehanabad	...	1·52	
	6	Howrah	„ 25, '91	2·76	Weather—showery. Paddy, jute and sugarcane crops doing well. Transplanting of *aman* well advanced. Price of common rice 14½ seers per rupee.
		Uluberia	...	2·95	
		Central Districts.			
PRESIDENCY DIVN.	7	24-Perghs.	July 28, '91	3·11	Weather—seasonable and cloudy with occasional showers. Prospects of *aus* and jute good. Sugarcane doing well. Transplantation of *aman* going on, but more rain still wanted. Prices stationary.
	8	Nuddea	„ 25, '91	1·08	Weather—cloudy and rainy. Prospects of *aus* good, but in some places it is suffering from want of rain. Other crops are doing well.
		Kushtea	...	1·33	
		Meherpur	...	0·41	
		Chuadanga	...	0·85	
		Ranaghat	...	1·02	
	9	Khoolna	„ 25, '91	1·06	Weather—cloudy with light showers. *Aus*, jute and sugarcane not much affected yet, but sowing and transplanting of *aman* are being retarded for want of sufficient rain. *Aman* seedlings are drying up in some parts of the district for want of rain and flood-water.
		Bagirhat	...	1·11	
		Satkhira	...	1·48	
	10	Jessore	„ 25, '91	1·81	Weather—boisterous and showery. *Aman* paddy promising. Jute slightly injured by insects in Magura. More rain wanted in Jhenidah and Bongong subdivisions. Indigo manufacture progressing.
		Jhenidah	...	1·37	
		Magura	...	0·85	
		Narail	...	0·81	
		Bongong	...	1·30	
	11	Murshedabad	„ 27 '91	1·28	Weather—cloudy and stormy with frequent showers of rain. Harvesting of *bhadoi* commenced in some places. Prospects favourable. Recent rain has done much good to standing *aman* crop. More rain wanted in parts of Kandi subdivision.
RAJSHAHYE DIVN.	12	Dinagepur	„ 25. '91	1·37	Weather—hot and cloudy with occasional showers. Transplantation of *haimanti* seedlings still going on. State of standing crops fair. Price of rice stationary.
		Thakurgaon	...	1·10	
	13	Rajshahye	„ 25, '91	0·67	Weather—cloudy, but not enough rain. *Aus* is being harvested. *Aman* is still being transplanted. The latter would be the better for more rain, which is expected.
		Nattore	...	3·76	
		Nowgong	...	0·31	
	14	Rungpur	„ 25, '91	1·02	Weather—cool with prospect of rain. Harvesting of *aus* and jute continues. More rain required for transplanting winter rice. Prospects fair. Prices stationary.
		Nilphamari	...	0·24	
		Kurigram	...	1·17	
		Gaibanda	...	0·60	
	15	Bogra	„ 25, '91	0·28	Weather—generally sunny; occasionally cloudy. High winds during the last three days, and it is hoped that rain may follow, which is much needed. *Aman* rice is being transplanted in some places, but this work and the growth of *aus* rice are impeded by the want of rain, which thus far, however, has only retarded the crops, without other damage. Some of the *aus* is being reaped, and most of the *til* and *kaun* has been harvested. Price of common rice has risen from 17 to 16 seers a rupee. Slight damage has been done to sugarcane by locusts in the north (thana Shibgunge).
		Sherpur	...	0·68	
		Nowkhilla	...	0·84	
	16	Pubna	„ 25, '91	0·83	More rain still wanted. *Aus* paddy and jute suffering for want of rain. Rivers subsiding at Serajgunge and rising at Sudder. Price of rice the same. Fodder sufficient.
	17	Darjeeling	„ 25, '91	5·88	Weather—fair. *Bhadoi* getting ripe. Transplantation of *haimanti* paddy stopped for want of rain in the Terai. Locusts have appeared in large numbers in the district and have come up as far as Darjeeling. They have done a little harm to jute and *makai*, but have not damaged the tea bushes.
	18	Julpigoree	„ 25, '91	5·34	Weather—hot; cloudy at intervals. Prospects of jute and *bhadoi* not good. Transplantation of *haimanti* paddy going on. Common rice sells at 13 seers per rupee.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Eastern Districts.			
DACCA DIVN.	19	Dacca	July 25, '91	1·02	Weather—seasonable. Harvesting of *aus* paddy going on. *Aman* paddy and jute thriving. Prospects of crops on the whole good. Cheapest rice sold at from 14 to 16 seers per rupee.
	20	Furreedpur	„ 25, '91	0·92	Weather—seasonable. *Aus* is being harvested. State of *aman* and sugarcane fair. Rice selling at 16, 16 and 17 seers per rupee at Sudder, Goalundo, and Madaripore respectively.
	21	Backergunge	„ 25, '91	0 83	Weather—seasonable. Rainfall general though not heavy. Prospects of crops fair. Common rice selling at from 12 to 17 seers per rupee.
	22	Mymensingh	„ 25, '91	1·87	Weather—a little cooler. Jute being reaped with not more than 9 annas out-turn. Outturn of *aus* about 8 annas. More rain wanted for transplantation of *aman* paddy. Common rice sells at 13 seers per rupee.
CHITTAGONG DIVN.	23	Chittagong	„ 28, '91	7·02	Weather—rainy. Transplantation of *aus* and sowing of *aman* continue. Prospects of *aman* fair. Some damage done to *aus* by late rain. Prices have risen slightly.
	24	Noakholly	„ 25, '91	4·65	Rain nearly every day. Crop prospects generally good. *Aus* being harvested. *Aman* transplantation going on. Price of rice stationary at 18 seers per rupee.
	25	Tipperah	„ 25, '91	2·59	Weather—seasonable. *Aus* and jute being harvested. Lands being ploughed for *aman*. Standing crops doing well. More rain wanted. Prices stationary.
	26	Chittagong Hill Tracts.	„ 23, '91	1·95	Weather—cloudy with occasional falls of rain throughout the week. *Jum* paddy and cotton progressing. Lands are being ploughed for late rice. Common rice being sold at 11 seers 6 chittacks per rupee.
BEHAR.					
PATNA DIVN.	27	Patna	„ 25, '91	2·16	Weather—cloudy and hot. Prospects of *bhadoi* crops and paddy fair, but more rain wanted in places. Sowing reported to be finished in Barh and Dinapur subdivisions. Prices almost stationary.
		Barh	...	4·50	
		Behar	...	2·79	
		Dinapur	...	1·80	
	28	Gya	„ 25, '91	0 63	Weather—hot and cloudy. Prospects of *bhadoi* favourable. Rice seedlings suffering slightly for want of more rain. Prices almost stationary.
	29	Shahabad	„ 25, '91	0·32	Weather—easterly winds; passing clouds with rare short showers. Rain is much wanted all over the district, most of all in Buxar, but in Sasseram and Bhabuah also crops are reported to be withering for want of rain. Cultivation has stopped except where canals reach lands and in Sudder subdivision. Weather for the last two days looks more favourable for rain. Prices slightly higher.
		Bhabuah	...	Nil	
		Buxar	...	0·96	
		Sasseram	...	Nil	
	30	Durbhanga	„ 25, '91	0·34	Weather—cloudy and occasionally very close. *Bhadoi* crops being weeded. Rain much wanted in the Sudder and Madhubani subdivisions for transplanting paddy and *marua*. Indigo manufacture in progress. Prices remain unchanged.
		Madhubani	...	1·84	
		Somastipur	...	3·76	
	31	Mozufferpur	„ 25, '91	0·26	Strong east winds. A few showers. Sowings completed. Transplanting of paddy going on, though in parts of Hajipur it has been retarded for want of sufficient rain. Prospects favourable.
		Hajipur	...	1·25	
		Sitamarhi	...	0·24	
	32	Sarun	„ 25, '90	1·69	Weather—seasonable. Heavy rain with intervals of fine weather. State and prospects of crops excellent. Ideal weather for indigo, the manufacture of which is progressing most favourably.
	33	Chumparun	„ 25, '91	0·37	Weather—occasionally cloudy with east winds blowing hard. *Bhadoi* doing well. Paddy transplantation continues. More rain wanted. Locusts were seen on the 18th in the Bettiah subdivision, and on the 22nd in a village in the Sudder; they did a little damage to *bhadoi* crops and proceeded towards Nepal.
		Bettiah	...	0 17	
BHAGULPORE DIVN.	34	Monghyr	„ 25, '91	2·85	Very light monsoon weather prevails. Strong east winds have now set in. *Bhadoi* sowings finished. Prospects good. Flights of locusts have visited various parts of the district again, but the damage has not been very serious anywhere to standing crops. Transplantation of rice has commenced in the Jamui subdivision, but it is not general. Generally speaking, transplantation is delayed for want of sufficient rain. Prices stationary.
		Beguserai	...	4·04	
		Jamui	..	2·17	
	35	Bhagulpur	„ 25, '91	5·14	Weather—hot and dry till heavy rain fell on the night of the 24th. More rain was wanted everywhere, and it is not known if the rain on the 24th was general or not. Prospects are still fair, but if there is not general rain in a week or two, they will become critical. Price of common rice 15 seers 2 chittacks.
	36	Purneah	„ 25, '91	1·42	Weather—showery and hot at intervals. *Bhadoi* beginning to wither on high lands, and *aghani* in similar parts cannot be sown for want of rain. Locusts have closed some of the indigo factories.
		Kishengunge	...	0·73	
		Arrareah	...	0·91	
	37	Maldah	„ 25, '91	1·47	Weather—seasonable. Prospects of crops good, but in thanas Ratua and Nawabgunge and outpost Manikchak some damage to crops has been caused by locusts. Price of common rice stationary.
		Chanchal	...	1·35	
		Shibgunge	...	1·79	
	38	Sonthal Perghs.	„ 25, '91	1·10	Weather—cloudy with occasional passing light showers. State and prospects of crops continue fair. Weather is good for *janera*, but not so for paddy. Much more rain wanted for preparation of ground and transplantation of paddy on uplands; at least 3 or 4 inches of rain required for planting out the ordinary area; at present only about four annas planted out. Sugarcane and *janera* looking well. A small flight of locusts passed over Dumka on the 19th instant, but did no damage to crops. Indigo reported to have been previously injured by locusts to the extent of about 8 annas.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
ORISSA DIVN.	39	Cuttack July 25, '91	3·70	Weather—cloudy and rainy. This week's rainfall has improved the state of the standing crops to some extent. More rain still wanted for *behura* or second ploughing.
	40	Pooree „ 23, '91 Khoorda ... Banpur ...	0·45 3·23 4·52	Weather—cloudy with showers of rain. Winter crop on low lands growing well, but in some places attacked with root disease called "muli" for want of rain. More rain wanted for puddling. Miscellaneous crops doing well. Prices of common rice stationary.
	41	Balasore „ 25, '91	6·23	Weather—seasonable. Rain of the last two days will materially benefit the crops in the Sudder subdivision. Prospects in Bhadrak generally good.
CHOTA NAGPORE				
South-West Frontier Agency.				
CHOTA NAGPORE DIVN.	42	Hazaribagh July 25, '91 Giridih ...	2·09 0·94	Weather—seasonable. Sowing progressing. More rain wanted. Prices stationary.
	43	Lohardugga „ 25, '91 Palamow (up to 20th July)	1·99 2·51	Weather—seasonable. A little rain almost throughout the week. More is wanted in the head-quarter subdivison for transplanting low land paddy. Prices steady.
	44	Singbhoom July 25, '91	1·82	Weather—seasonable. Paddy is being transplanted. Crops doing well. Locusts are still about, but are doing only slight damage.
	45	Manbhoom „ 25, '91 Govindpur ...	1·80 3·75	Weather—seasonable. Prospects of crops satisfactory. Price of common rice from 14 to 18 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 28th July, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of April, 1891.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS. Rice and Paddy. Rice.	* Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	FIBROUS PRODUCTS. Jute, raw.	Gunny-bags.†	OILSEEDS. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR. Refined.	Unrefined.	TOBACCO. Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
BENGAL.																		
Burdwan	1,53,451	29,208	1,71,703	835	6,215	816	1,79,569	......	9,005	8,365	312	......	......	33	......	354	486	3
Beerbhoom... ...	73,761	890	74,343	5,033	5,513	......	84,909	54	5,075	14,271	597	......	......	300	......	......	...	......
Midnapore	1,65,834	22,502	1,70,898	623	9,006	......	1,89,527	900	2,650	11,415	6	......	......	229	......	1,283	...	......
Hooghly	92,045	21,780	1,05,657	5,960	6,029	145	1,17,800	22,109	549,565	5,635	......	......	449	2	945	35,476	9,925	204
24-Pergunnahs ...	1,77,060	20,615	1,89,944	......	12,834	......	2,02,778	32,578	742,185	11,264	409	......	3,639	......	14,698	34,743	5,131	257
Nuddea	3,344	5	3,347	1,60,930	1,84,047	3,890	3,52,223	15,734	11,700	92,483	1,916	......	10	263	291	12,640	4,130	......
Khulna	9,071	8,775	14,555	......	11,454	......	26,009	6,350	......	513	17,058	......	......	......	450	3,775	...	......
Jessore	8,252	7,725	13,080	1,194	51,011	......	65,285	4,602	4,180	19,519	17,161	......	2	......	1,216	[illegible]	2,755	......
Moorshedabad ...	986	......	986	1,451	1,945	192	4,574	1,029	70	1,762	......	......	......	111	......	381	...	......
Dinagepore	31,393	725	31,846	......	......	......	31,846	5,531	204,435	......	......	......	......	......	......	......	...	......
Rajshahye	301	......	301	702	2,905	......	3,908	8,579	......	668	120	......	......	111	......	......	...	......
Rungpore	26	......	26	......	3	......	29	1,01,334	80,815	......	4,243	......	242	......	......	......	25,508	......
Bogra	23,210	460	23,498	......	......	......	23,498	8,353	105	890	......	......	......	......	......	......	...	......
Pubna	400	......	400	......	2,547	......	2,947	3,32,803	738,055	271	6,563	......	......	......	......	......	150	......
Darjeeling	1	......	1	......	......	......	1	11,622	96,505	......	......	4,169	......	......	......	......	2,467	......
Julpigoree	......	......	......	......	......	......	......	19,907	263,005	......	......	518	......	......	......	......	709	......
Dacca	......	......	......	748	2,333	......	3,081	2,28,781	380	653	9,709	......	2,331	......	......	......	...	......
Furreedpore ...	12,200	575	12,559	11,226	38,383	......	62,168	1,07,193	770	6,887	68,209	......	203	......	......	......	...	......
Backergunge ...	3,14,501	550	3,14,846	......	850	......	3,15,696	1,133	......	546	2,245	......	......	......	......	200	...	......
Mymensingh ...	709	......	709	......	171	......	880	40,780	245	......	1,314	......	......	......	......	......	...	......
Tipperah ...	350	......	350	......	......	......	350	......	......	290	......	......	......	......	......	......	...	......
Chittagong ...	......	......	......	......	......	......	......	......	......	......	......	5	4,711	......	......	......	...	......
Noakholly ...	4,487	......	4,487	......	......	......	4,487	......	......	331	525	......	700	......	......	......	...	......
Total of Bengal ...	10,71,402	1,13,814	11,42,556	1,88,720	3,35,206	5,043	16,71,565	9,48,672	2,715,605	1,75,673	1,30,386	4,692	12,287	1,055	17,600	1,15,111	51,317	[illegible]
BEHAR.																		
Patna	1	2,201	1,414	7,250	18,240	9,601	30,565	......	3,915	83,259	12,726	......	......	3	1,247	1,862	1,100	619
Gya	......	......	......	20,919	924	......	21,843	......	......	61,968	3,356	......	......	17	......	4	...	321
Shahabad	......	......	......	12,663	4,445	......	17,108	......	525	37,479	843	......	......	......	......	4,625	...	......
Mozufferpore ...	13	......	13	550	......	381	944	......	70	3,613	4,985	......	......	......	......	......	172	......
Durbhunga ...	40	......	40	2,156	......	......	2,196	......	70	6,262	13,848	......	......	......	......	275	78	9
Sarun	......	......	......	......	......	......	......	......	105	1,377	609	......	......	......	57	264	80	......
Chumparun ...	15	......	15	......	2	287	304	......	70	4,149	6,501	......	......	......	......	47	...	......
Monghyr	1	......	1	32,304	20,121	89	52,575	......	280	38,569	10,040	......	......	......	......	......	9	......
Bhagulpore ...	2,453	......	2,453	15,682	653	6,926	25,714	3,987	175	21,607	14,483	......	......	......	......	......	...	3
Purneah	369	......	369	......	983	......	1,352	10,132	210	1,536	2,058	......	......	......	......	......	5,736	......
Maldah	414	......	414	900	520	......	1,834	373	......	......	......	......	......	......	......	......	...	......
Sonthal Pergunnahs.	50	......	50	84,581	8,181	1,650	94,471	810	280	34,237	6,967	......	11	132	......	......	73	......
Total of Behar ...	3,356	2,261	4,709	1,77,665	54,009	19,003	2,54,906	15,302	5,700	2,99,256	77,319	......	11	152	1,304	7,077	7,218	94[illegible]
ORISSA.																		
Cuttack	......	259	162	......	......	......	162	......	100	......	......	......	......	......	......	......	300	......
Balasore	56,057	20,149	68,650	495	4,741	......	73,886	256	1,350	65	2,261	......	......	......	......	......	67	......
Total of Orissa ...	56,057	20,408	68,812	495	4,741	......	74,048	256	1,450	65	2,261	......	......	......	......	......	367	......
CHOTA NAGPORE.																		
Hazaribagh ...	......	......	......	......	1,119	......	1,119	......	455	495	......	31	......	......	......	......	...	......
Singbhoom ...	......	......	......	......	......	......	......	......	......	3,214	......	......	......	......	......	......	...	......
Manbhoom ...	50	......	50	......	......	......	50	......	......	1,392	......	117	......	......	......	35	...	......
Total of Chota Nagpore.	50	......	50	......	1,119	......	1,169	......	455	5,101	......	148	......	......	......	35	...	......
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	11,30,865	1,36,483	12,16,167	3,66,280	3,95,193	24,046	20,01,688	9,64,230	2,723,210	4,80,095	2,09,966	1,840	12,298	1,207	18,904	1,22,223	58,932	1,40[illegible]
OTHER PROVINCES.																		
Assam	785	......	785	145	167	66	1,163	11,204	......	3,174	51,829	615	257	120	......	......	...	......
North-Western Provinces and Oudh.	8	......	8	3,05,768	14,352	......	3,20,128	......	455	2,21,041	88,179	6	18,653	......	171	1,097	45	[illegible]
Punjab	8	......	8	10,218	......	......	10,226	......	......	......	200	10	3,558	......	......	......	3	......
Central Provinces	897	......	897	25,398	42,819	2,440	71,554	......	......	17,351	630	......	3,405	1	......	......	...	......
Rajputana and Central India.	......	......	......	......	......	......	......	......	......	66,455	......	......	4,210	......	......	......	...	......
Berar	......	......	......	......	14,347	......	14,347	......	......	......	......	......	53	......	......	......	...	......
Bombay	......	......	......	......	......	1	1	......	5,500	......	......	......	12,360	......	......	......	...	......
Madras	......	......	......	......	7,166	......	7,166	......	30,000	......	......	......	2,187	......	4,390	157	185	1
Burmah	63	......	63	......	2,626	......	2,689	......	300	......	......	......	......	......	......	......	1,322	......
Sind	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	...	......
Other places ...	57	......	57	......	14	......	71	......	27,100	......	......	......	......	......	60,854	7,459	7	3
Grand Total of Imports in April 1891	11,82,683	1,36,483	12,17,985	7,07,809	4,76,686	26,553	24,19,083	9,75,434	2,786,565	7,88,716	3,50,794	5,471	57,071	1,328	84,319	1,30,936	60,494	1,9[illegible]
Grand Total of Imports in April 1890	10,13,856	70,176	10,57,216	4,32,337	3,27,040	22,561	18,39,188	4,69,455	1,839,086	7,06,272	3,59,109	3,799	1,28,348	1,927	1,00,338	70,198	37,347	1,[illegible]

* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of April, 1891, *was as follows :—*

EXPORTED FROM CALCUTTA—	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar, Refined.	Sugar, Unrefined.	Tobacco, Unmanufactured.	Tobacco, Manufactured.
To Indian ports, viz.—																		
Bombay ...	1,65,944	30	1,65,963	......	60	27	1,66,050	......	4,614,650	......	9,324	495	......	......	655	......	...	
Madras	11,828	......	11,828	......	3,529	80	15,437	......	196,800	......	......	4	......	217	26	......	...	
Other ports in Madras ...	3,07,366	20,498	3,20,177	......	912	......	3,21,089	......	342,500	......	599	4	......	20	......	......	...	
Burmah	14	......	14	2,261	12,926	112	15,313	......	2,019,050	......	......	68	359	4	2,408	208	7,274	
Other Indian ports	......	......	......	......	3,106	......	3,106	......	245,302	......	......	2	10	......	2,529	1,356	3,252	
Pondicherry ...	......	......	......	499	99	......	598	......	317,000	......	......	......	......	......	......	......	...	
Sind	......	......	......	......	......	......	......	......	154,050	......	......	......	......	......	......	......	...	
Total of Inter-portal trade ...	4,85,152	20,528	4,97,982	2,760	20,632	219	5,21,503	......	7,890,252	......	9,923	573	369	241	5,618	1,564	10,526	
To Foreign ports—United Kingdom	1,21,652	......	1,21,652	2,65,460	61,599	......	4,48,717	6,15,115	263,800	5,55,250	28,601	2,934	14,045	245	......	7,509	...	
Other Foreign ports	5,61,524	1,503	5,62,463	483	26,638	2,528	5,92,112	7,19,332	6,114,835	783	9,648	468	25,048	1,199	641	97	65	
Total of Foreign trade *	6,83,176	1,503	6,84,115	2,65,919	88,237	2,528	10,40,829	13,34,447	6,378,635	5,56,033	38,249	3,402	39,093	1,444	641	7,606	65	
Grand Total of Exports in April 1891	11,68,328	22,031	11,82,097	2,68,700	1,08,869	2,747	15,62,422	13,34,447	14,268,887	5,56,033	48,172	3,975	39,462	1,685	6,259	9,170	10,591	
Grand Total of Exports in April 1890	13,87,279	608	13,87,659	2,04,511	70,784	10,803	16,73,757	11,00,253	7,768,814	6,98,187	92,094	6,857	1,38,509	1,772	4,105	1,770	7,550	

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of April, 1891.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains.					Fibrous Products.		Oilseeds.		Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar.		Tobacco.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.				Refined.	Unrefined.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	6,74,503	84,138	56,069	1,24,850	2,632	1,20,756	1,250,540	49,461	22,953	......	4,069	152	5,748	28,244	11,123	716
" river steamers ...	43 375	428	3,104	4,917	... ..	4,43,742	......	18,690	57,024	460	1,123	90	151	369	61	......
" rail { E. I. Railway	2,23,645	34,176	5,22,032	1,29,967	22,040	19,320	22,330	6,22,038	1,64,282	165	29,982	603	1,475	8,218	5,018	428
" rail { E. B. S. Railway.	60,026	1,185	1,26,023	1,91,359	1,881	3,53,659	1,425,095	87,028	1,04,272	4,841	1,014	483	632	53,993	32,861	......
" road	77,932	3,642	......	11,016	......	29,601	16,300	11,434	......	......	727	......	11,069	32,496	8,050	295
" sea	53,202	12,914	495	14,547	......	256	63,300	65	2,261	5	19,256	......	65,244	7,616	1,581	466
Grand Total of Imports in April 1891 ...	11,32,083	1,39,483	7,07,809	4,76,686	26,553	9,75,434	2,780,565	7,88,716	3,50,794	5,471	57,071	1,328	84,319	1,30,936	60,494	1,005
Grand Total of Imports in April 1890 ...	10,13,356	70,176	4,32,337	3,27,049	22,561	4,69,455	1,839,086	7,06,272	3,59,109	3,799	1,28,318	1,927	1,00,338	70,498	37,347	1,638

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of April, 1891.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Burdwan ...	3,09,110	1,107	427	940	35,401	132,374
Beerbhoom ...	1,51,480	246	216	805	16,540	82,775
Midnapore ...	1,96,700	... ..	2,543	......	16,766	24,319
Hooghly ...	1,22,935	4,800	807	168	... ..	22,800
24-Pergunnahs ...	1,64,275	4,868	422	......	11,750	9,612
Nuddea ...	3,59,335	......	1,077	......	24,356	190,048
Khulna ...	1,25,510	......	142	......	5,080	3,080
Jessore ...	1,54,714	....	1,812	... ..	21,670	29,705
Moorshedabad ...	56,600	13,161	41	31	2,401	12,300
Dinagepore ...	94,360	... ..	100	......	11,672	6,235
Rajshahye ...	1,65,180	......	141	......	12,400	12,610
Rungpore ...	1 85,710	......	270	......	21,770	4,725
Bogra ...	1,18,230	......	235	......	12,923	11,830
Pubna ...	1 75,350	......	108	......	10,463	4,565
Darjeeling ..	1,62,960	......	239	......	7,511	2,625
Julpigoree ...	57,820	......	148	......	11,624	210
Dacca ...	5,34,450	......	1,283	......	24,050	17,080
Furreedpore ...	1,55,610	......	642	......	21,674	50,785
Backergunge ...	2,61,170	......	2,382	.....	39,342	13,310
Mymensingh ...	73,430	......	24	......	9,100	105
Tipperah ...	... ..	.....	......	... ..	1,975	......
Chittagong ...	1,51,238	700	63	......	200	8,252
Noakholly ...	......	......	......	......	3,000	......
Total of Bengal ...	37,76,487	24,882	13,122	1,942	3,21,581	649,570
BEHAR.						
Patna ...	3,86,120	1,476	126	182	25,156	137,880
Gya ...	4,32,180	......	45	1,224	12,020	74,690
Shahabad ..	7,29,190	2,460	7	898	21,368	38,955
Mozufferpore ...	5,71,270	.....	......	362	14,134	13,195
Durbhunga ...	6,77,600	......	40	717	44,616	34,160
Sarun ...	5,40,470	615	11	15	16,748	2,275
Chumparun ...	10,01,420	3,936	107	135	17,113	23,380
Monghyr ...	3,28,720	... ..	21	610	15,520	148,305
Bhagulpore ...	5,02,670	123	55	309	8,112	595,845
Purneah ..	2,70,830	......	209	544	13,699	20,415
Maldah ...	......	.....	......	......	6,875	200
Sonthal Pergunnahs	2,34,290	369	157	619	9,625	413,315
Total of Behar ...	56,74,760	8,979	838	5,045	2,05,286	1,500,615
ORISSA.						
Cuttack	80,572	......	476	......	......	50,000
Balasore ...	2,24,246	......	1,108	......	24,900	188,000
Total of Orissa ...	3,04,818	......	1,584	......	24,900	238,000

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
CHOTA NAGPORE.	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Hazaribagh	78,820	......	......	57	6,915	4,410
Singbhoom	6,020	1,476	6	400	2,404	8,680
Manbhoom	1,12,560	2,091	103	1,080	20,431	11,760
Total of Chota Nagpore ...	1,97,400	3,567	109	1,537	29,750	24,850
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	90,53,465	37,428	15,653	9,124	5,81,517	2,413,035
OTHER PROVINCES.						
Assam	4,89,230	......	685	452	26,644	44,855
North-Western Provinces and Oudh	52,53,780	38,808	1,981	1,078	37,121	746,830
Punjab	14,88,340	40,467	492	9	......	238,770
Central Provinces	89,880	23,001	376	31	......	810,040
Rajputana and Central India	90,230	492	110	18	......	148,155
Berar	210	......	......	......	......	25,900
Nizam's Territory	210	......	......	......	......	......
Bombay	46,890	369	......	......	......	4,614,650
Madras	1,32,582	371	244	......	......	539,300
Pondicherry	......	......	......	......	......	317,000
Burmah	3,19,602	......	175	......	......	2,019,950
Sind	280	......	......	......	......	165,985
Other places	14,868	4,749	24	1,308	......	6,378,635
Grand Total of Exports in April 1891 ...	1,78,79,567	1,45,745	10,740	12,110	6,45,282	18,463,105
Grand Total of Exports in April 1890 ...	1,68,07,584	39,821	18,004	36,974	6,20,083	9,642,292

The Sea-borne Trade of Calcutta in these Staples during the month of April 1891 *was as follows:—*

IMPORTED INTO CALCUTTA—	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
From Foreign Ports—						
United Kingdom	1,00,39,827	......	13,050	......	4,50,206	......
Other Foreign ports ...	12,285	......	666	......	2,81,377	27,100
Total of Foreign Trade ...	1,00,52,112	......	13,716	......	7,31,583	27,100
From Indian Ports—						
Bombay	53,831	1,62,337	......	10,324	32,250	5,500
Madras	3,612	13,023	......	5	......	30,000
Burmah	22,791	450	......	......	......	300
Other Indian ports ...	300	.....	......	......	......	400
Total of Interportal Trade ...	80,534	1,75,810	......	10,329	32,250	36,200
Grand Total of Imports in April 1891 ...	1,10,32,646	1,75,810	13,716	10,329	7,63,833	63,300
Grand Total of Imports in April 1890 ...	91,20,725	1,08,401	9,237	5,096	7,73,074	59,500

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of April, 1891.

Specification of Routes.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	1,20,900	4,800	1,672	......	1,46,238	53,138
" river steamers ...	5,14,640	......	2,346	400	45,950	68,368
" rail { East Indian Railway ...	1,32,73,470	1,30,257	4,612	10,104	3,01,066	3,716,685
" rail { Eastern Bengal State Railway ...	27,70,320	......	8,306	......	1,27,019	348,180
" road ...	2,21,379	4,808	844	118	5,409	7,847
" sea ...	9,69,858	5,820	2,062	1,808	19,600	14,268,887
Grand Total of Exports in April 1891 ...	1,78,79,567	1,45,745	10,740	12,110	6,45,282	18,463,105
Grand Total of Exports in April 1890 ...	1,68,07,584	39,821	18,004	36,974	6,20,083	9,642,292

STATISTICAL DEPARTMENT,
The 24th July, 1891.

C. E. BUCKLAND,
Offg. Secretary to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH JULY 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	13 4	13 4	14 0	...	...	...	12 0	14 4	12 0	15 6	16 11	14 13	...	...	...
2	Bankoora ..	14 8	15 0	14 0	20 0	20 0	20 0	16 0	16 8	15 0	17 8	18 8	18 0	.	...	...
3	Beerbhoom ...	14 4	15 0	16 8	...	...	...	13 8	13 8	13 8	16 0	16 8	16 8	...	...	...
4	Midnapore ...	14 0	13 8	13 0	...	...	...	14 0	14 8	12 12	18 0	18 0	16 4	...	...	...
5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	14 0	14 0	13 0	...	...	...
6	Howrah ...	13 0	...	...	...	...	...	11 4	11 8	11 4	14 0	14 12	13 4	...	...	...
	Central Districts.															
	Calcutta	12 5	12 12	13 9	20 1	20 10	17 7	9 4	9 10	8 14	13 4	13 11	13 1	18 14	...	18 13
7	24-Pergunnahs	13 5	13 5	15 0	20 0	20 8	18 0	8 0	8 0	8 0	15 8	15 8	13 12	...	...	...
8	Nuddea ..	14 14	14 14	15 10	22 14	22 14	20 0	12 5	12 5	11 3½	13 10	13 14	12 13	...	...	...
9	Khoolna ...	...	...	...	...		...	12 0	14 0	13 0	16 0	17 0	14 4	...	...	...
10	Jessore ...	13 5	13 4	13 4	.	...	...	13 0	13 0	12 0	16 0	16 0	16 0	...	...	...
11	Moorshedabad	15 0	15 8	16 0	..	.	..	11 8	12 0	11 0	14 8	15 0	15 0	...	...	...
12	Dinagepore ...	14 6	12 14	15 0	...	16 0	17 0	13 2	13 12	13 4	15 0	16 12	15 9	...	...	...
13	Rajshahye ...	16 8	16 8	16 8	26 4	26 4	21 0	12 12	13 8	12 12	13 14	14 4	13 11	...	...	...
14	Rungpore .	10 10	10 10	13 5	..		...	9 6	9 6	9 6	12 4	12 4	13 5	...	...	...
15	Bogra ...	12 12	15 0	16 14	...	...	...	12 0	12 0	12 0	16 0	15 0	17 4	...	...	...
16	Pubna .	17 4	17 0	18 0	...	...	.	6 12	7 2	7 0	15 12	15 0	15 0	..	...	...
17	Darjeeling ..	10 0	9 0	10 0	10 0	10 0	9 0	5 8	5 0	5 0	13 0	12 0	9 0	...	...	...
18	Julpigoree	13 0	13 0	13 0	16 0	16 0	16 0	8 0	8 0	8 0	13 0	14 0	14 0	...	...	...
	Eastern Districts.															
19	Dacca .	15 0	16 0	13 0	25 0	28 0	16 0	13 0	13 4	13 0	15 0	15 0	14 0	...	...	...
20	Furreedpore ...	18 0	20 0	15 0	...	18 0	20 0	13 0	12 0	10 0	16 0	16 0	15 0	...	...	...
21	Backergunge ...	...	...	...	...	...	...	13 5	13 14	12 5	15 9	15 9	14 8	...	...	...
22	Mymensingh ...	10 8	12 0	11 4	...	...	...	10 8	11 0	10 0	13 8	13 0	13 8	...	...	...

A In the subdivisions the retail prices of salt per rupee are :—Culna 10 seers Cutwa 11¾ seers, and Raneegunge 10½ seers.
B At Bishenpore the retail price of salt is 10 seers per rupee.
C At Rampore Hât the retail price of salt is 11¼ seers per rupee.
D In the subdivisions the retail prices of salt per rupee are :—Contai 9 seers, Ghatal 11 seers.
E In the subdivisions the retail prices of salt per rupee are :—Serampore 11 seers and Johanabad 10 seers 9 chittacks.
F At Uluberia the retail price of salt is 10 seers per rupee.
G In the subdivisions the retail prices of salt per rupee are :—Baraset 10 seers 10 chittacks, Bussirhat (at Baduria) 11 seers, Diamond Harbour (at Magrahat) 10 seers, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
H In the subdivisions the retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers.
I In the subdivisions the retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.
J In the subdivisions the retail prices of salt per rupee are :—Jhenida 10 seers, Magura 9½ seers, Narail 9¾ seers.
K In the subdivisions the retail prices of salt per rupee are :—Jungipore 10 seers, Kandi 10½ seers, and Lalbagh 11 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 15th July, 1891.

Salt. Present return.	Salt. Next preceding return.	Salt. Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Average wages per month. Able-bodied agricultural labourer. Present return.	Next preceding return.	Corresponding return of last year.	Syce or horse-keeper. Present return.	Next preceding return.	Corresponding return of last year.	Common mason, carpenter, or blacksmith. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	**BENGAL.**
															Western Districts.
(A) 11 2½	11 2½	10 6½ t. 3½	3 7 4	3 8 4	3 9 9	8 0	8 0	8 0	6 0	6 0	6 0	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Burdwan.
(B) 10 0	10 0	10 0	3 14 0	3 14 0	3 15 0	6 0 to 7 8	7 0 to 10 0	7 0 to 12 0	4 0 to 6 0	5 0 to 8 0	6 0 to 9 0	10 0 to 15 0	7 0 to 16 0	9 0 to 16 0	Bankoora.
(C) 10 12	10 8	10 8	3 12 0	3 12 0	3 10 0	6 0	5 0	6 0	6 0	6 0	5 0	7 8 to 10 0	10 0 to 12 0	12 0	Beerbhoom.
(D) 10 10	10 10	10 0	3 12 0	3 12 0	3 14 6	6 9	7 8	6 9	6 0	6 0	6 0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Midnapore.
(E) 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	9 13 6	7 15 6	9 6	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	8 0 to 24 0	8 0 to 30 0	8 0 to 40 0	Hooghly.
(F) 10 8	10 8	10 0	3 7 0	3 8 0	3 11 0	7 8	7 8	7 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	12 0 to 25 0	10 0 to 25 0	12 0 to 25 0	Howrah.
															Central Districts.
10 14	11 0	10 7	3 6 1	3 6 0	3 9 4	9 0 Agri. labourers.* 5 8	(Cooly) 8 0 / 5 0	8 0	6 0	6 0	6 0	(Common mason) 15 0	15 0	15 0	Calcutta.
(G) 10 12	10 12	10 0	3 6 0	3 6 0	3 8 0	9 0 to 10 0	9 0 to 10 0	9 to 10	6 0 to 7 0	6 0 to 7 0	6 0 to 7 0	15 0 to 20 0	15 0 to 20 0	15 0 to 20 0	24-Pergunnahs.
(H) 9 13	9 13	9 13	3 10 0	3 12 0	3 13 0	7 8	7 8	7 8	6 0	6 0	6 0	7 8 to 15 0	7 8 to 15 0	7 8 to 15 0	Nuddea.
(I) 9 0	9 0	8 0	4 0 0	4 0 0	4 8 0	7 8 to 9 6	7 8 to 9 6	7 8 to 9 6	7 0 to 9 6	7 0 to 8 0	7 0 to 9 0	10 0 to 25 0	12 0 to 25 0	12 0 to 30 0	Khoolna.
(J) 9 2	9 2	9 2	3 14 0	3 14 0	4 0 0	7 8 to 10 0	7 8	5 0 to 7 8	5 0 to 7 0	5 0 to 7 0	4 0 to 6 0	10 0 to 20 0	10 0 to 15 0	10 0 to 15 0	Jessore.
(K) 11 0	11 0	10 10	3 10 0	3 10 0	3 12 0	3 12	5 10 to 7 8	7 8	4 0	5 0	5 0	7 8	10 0 to 20 0	7 8 to 10 0	Moorshedabad.
(L) 10 0	10 4	10 0	4 0 0	4 0 0	4 0 0	7 8	7 8	7 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	10 0 to 15 0	10 0 to 15 0	10 0 to 15 0	Dinagepore.
(M) 9 9	9 9	9 0	4 0 0	4 0 0	4 2 8	5 0 to 7 0	5 0 to 7 0	5 0 to 7 0	5 0 to 6 0	5 0 to 6 0	4 0 to 6 0	7 8 to 16 0	8 0 to 16 0	7 0 to 16 0	Rajshahye.
(N) 9 6	9 6	9 6	4 4 0	4 4 0	4 4 0	...	...	...	...	...	...	...	...	...	Rungpore.
9 6	9 6	9 3	4 0 0	4 0 0	4 2 8	7 8	6 0 to 7 8	7 8	5 0 to 7 0	5 0 to 7 0	6 0 to 7 0	10 0 to 20 0	10 0 to 20 0	10 0 to 20 0	Bogra.
(O) 8 15	8 15	8 11 t. 2	3 14 0	3 14 0	3 15 0	5 0 to 6 8	5 0 to 6 8	5 0 to 6 8	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	7 0 to 20 0	7 0 to 20 0	7 0 to 20 0	Pubna.
(P) 8 8	8 0	8 0	4 8 0	5 0 0	5 0 0	7 8 to 8 0	6 0	7 0 to 8 0	8 0 to 10 0	8 0 to 9 0	7 0 to 10 0	15 0 to 20 0	11 0 to 30 0	11 0 to 20 0	Darjeeling.
(Q) 10 0	10 0	9 0	4 0 0	4 0 0	4 2 0	...	...	...	...	...	...	...	...	...	Julpigoree.
															Eastern Districts.
(R) 10 0	10 0	9 8	3 13 0	3 13 0	4 2 0	8 0 to 10 0	6 0 to 10 0	6 0 to 10 0	8 0 to 12 0	7 0 to 12 0	8 0 to 12 0	8 0 to 20 0	8 9 to 20 0	8 0 to 20 0	Dacca.
(S) 11 0	10 0	10 0	4 0 0	4 0 0	3 14 0	7 8	7 8	10 0	8 0	8 0	10 0	15 0 to 25 0	10 0 to 20 0	15 0	Furreedpore.
(T) 10 10	10 10	10 8	3 12 0	3 12 0	3 15 0	7 8	7 8	9 8	6 0	6 0	6 0	13 8 to 15 0	14	12 0 to 15 0	Backergunge.
(U) 9 8	9 8	9 8	4 1 0	4 2 0	4 2 0	7 0 to 10 0	7 0 to 10 0	9 0 to 10 0	6 0 to 8 0	6 0 to 8 0	6 0 to 7 0	12 0 to 30 0	12 0 to 30 0	12 0 to 30 0	Mymensingh.

* Malees or gardeners.

L At Thakurgaon the retail price of salt is 7½ seers per rupee.
M In the subdivisions the retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
N In the subdivisions the retail prices of salt per rupee are :—Kurigram 8 seers, Gaibanda 9 seers 6 chittacks, and Nilphamari 9 seers.
O At Serajgunge the retail price of salt is 10 seers per rupee.
P Retail price of salt at Kurseong and Silliguri 8 seers per rupee.
Q At Fallacotta in the Alipore subdivision the retail price of salt is 8½ seers per rupee.
R In the subdivisions the retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 9 seers, and Naraingunge 10 seers 10 chittacks.
S Retail price of salt at Goalundo and Madaripore is 10 seers per rupee.
T In the subdivisions the retail prices of salt per rupee are :—Patuakhali 9 seers, Perozepore 9 seers, and Bhola 8 seers.
U In the subdivisions the retail prices of salt per rupee are :—Kishoregunge 8 seers, Netrokona 8 seers, Jamalpore 9 seers, and Sherpore 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded**	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. C.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	12 0	12 0	11 0	...	...	...	11 0	12 8	12 0	15 0	16 1½	15 0	...	...	...
24	Noakholly ...	...	...	...	..	...	...	15 0	15 0	14 0	16 0	16 0	15 0	...	...	...
25	Tipperah ...	10 0	10 0	13 14½	..	.		10 12	10 0	10 0	15 8	15 0	13 14½	..	..	...
26	Chittagong Hill Tracts.	...	...	...	...	...	...	10 0	11 6¾	10 10½	15 0	13 5	11 6¾	...	..	...
	BEHAR.															
27	Patna ...	18 0 16 0	Red. 18 0 White. 17 0	17 4 16 4	22 0	24 0	23 8	11 0	11 0	10 8	17 0	17 8	16 7	...	...	22 0
28	Gya ...	14 8	14 8	16 0	25 0	25 4	22 0	10 8	10 8	11 8	15 0	15 0	15 8	...	...	...
29	Shahabad ...	15 8	15 8	16 0	20 0	20 0	20 0	9 0	9 0	9 0	14 0	14 0	14 0	..	...	...
30	Durbhunga ...	15 8	15 6	15 6	24 0	24 3	20 14	12 0	12 8	13 0	15 6	14 4½	15 6	...	...	...
31	Mozufferpore ...	16 0	16 0	17 0	19 0	22 0	22 0	12 0	12 0	9 0	14 0	14 0	14 0	...	...	...
32	Sarun ...	16 0	14 8	16 4	20 8	20 8	21 4	8 8	8 8	8 8	13 13	13 2	14 3	...	...	...
33	Chumparun ...	15 10	15 10	17 0	25 0	27 0	23 0	10 0	8 8	8 0	12 8	13 8	15 0	..	...	...
34	Monghyr ...	17 5	17 12	18 6	23 1¼	22 1½	22 0	11 8	11 4	12 9	13 14½	14 3	15 12	...	13 10	...
35	Bhagulpore ...	16 6	17 0	17 11	22 11	25 4	21 7	12 10	12 10	Old 10 1 New. 12 10	15 2	15 2	Old. 13 14 New. 16 6	...	...	...
36	Purneah ...	18 0	20 0	18 0	14 0	16 0	..	16 0	16 0	15 0	18 0	18 0	17 0	...	...	...
37	Maldah ...	16 0	17 0	18 8	...	...	...	10 0	11 0	12 0	15 0	14 8	14 0	...	...	...
38	Sonthal Perghs.	12 0	12 0	14 0	...	...	...	13 0	13 0	13 0	16 0	16 0	16 0	...	...	...
	ORISSA.															
39	Cuttack ...	11 13	10 8	14 7	...	...	...	10 8	11 13	10 8	17 1	17 1	15 12	...	...	...
40	Pooree ...	11 13	14 7	10 8	...	...	...	13 12	14 7	13 2	21 0	21 0	17 1	...	...	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	11 0	18 0	18 0	16 0	..	...	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh ...	14 0	14 0	14 8	16 0	16 0	18 0	8 0	8 0	9 0	14 8	14 8	16 0	...	...	...
43	Lohardugga ...	11 8 7 12	Red. 11 8 White. 8 0	14 0 8 0	...	18 0	...	12 4	13 0	14 0	13 8 16 4	Ordinary. 15 0 Coarse. 16 12	16 0 19 0	...	...	...
44	Singbhoom ...	16 0	12 0	12 0	14 0	14 0	20 0	12 0	12 0	16 0	16 0	14 0	18 0	...	...	...
45	Manbhoom ...	13 10	13 0	14 0	...	...	...	12 0	12 8	12 0	18 0	18 8	18 0	...	...	...

V At Cox's Bazar the retail price of salt is 8 seers per rupee.
W At Fenni Hât the retail price of salt is 8½ seers per rupee.
X In the subdivisions the retail prices of salt per rupee are :—Barh 10¾ seers, Behar 9¼ seers.
Y In the subdivisions the retail prices of salt per rupee are :—Sasseram 10 seers, Bhabuah 9¾ seers, and Buxar 10 seers.
Z In the subdivisions the retail prices of salt per rupee are :—Madhubani 10½ seers and Somastipur 11 seers.
Z1 In the subdivisions the retail prices of salt per rupee are :—Hajipore 10½ seers and Sitamarhi 10 seers.
Z2 In the subdivisions the retail prices of salt per rupee are :—Sowan 10¾ seers and Gopalgunge 10 seers 13 chittacks.
Z3 In the subdivisions the retail prices of salt per rupee are :—Beguserai 9¼ seers and Jamui 9 seers.

CALCUTTA,
The 28th July, 1891.

Station Bazars of the Districts of Bengal on the 15th July, 1891—(concluded).

Salt. Present return.	Salt. Next preceding return.	Salt. Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Salt. Next preceding return.	Salt. Corresponding return of last year.	Average wages per month. Able-bodied agricultural labourer. Present return.	Next preceding return.	Corresponding return of last year.	Syce or horse-keeper. Present return.	Next preceding return.	Corresponding return of last year.	Common mason, carpenter, or blacksmith. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
															Eastern Districts—concluded.
S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
V 10 8	10 0	9 0	3 12 0	3 12 0	3 14 0	9 0	10 0	9 0	7 8	7 0	7 0	12 0	12 0	12 0	Chittagong.
W 8 0	8 0	9 0	4 8 0	4 8 0	4 8 0	5 0 to 6 0	7 8 to 10 0	4 0 to 6 0	5 0 to 7 0	5 0 to 8 0	5 0 to 6 0	5 0 to 15 0	10 0 to 15 0	5 0 to 10 0	Noakholly.
10 0	10 0	9 11	4 0 0	4 0 0	4 2 0	7 8 to 10 0	7 0 to 10 0	7 0 to 10 0	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	8 0 to 15 0	8 0 to 15 0	8 0 to 15 0	Tipperah.
8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	15 0	12 0	12 0	Not procurable.			20 0 to 25 0	20 0	20 0 to 25 0	Chittagong Hill Tracts.
															BEHAR.
X 11 0	11 0	10 0	3 9 6	3 11 0	3 13 0	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	4 8 to 5 0	4 8 to 5 0	4 8 to 5 0	7 0 to 8 0	7 0 to 8 0	7 0 to 8 0	Patna.
9 12	9 12	9 2	4 0 0	4 0 0	4 1 0	2 8 to 3 0	2 8 to 3 0	2 8 to 3 0	3 0 to 5 0	3 0 to 5 0	3 0 to 5 0	6 0 to 8 0	6 0 to 8 0	6 0 to 8 0	Gya.
Y 10 8	10 8	10 0	3 11 0	3 13 0	3 15 0	4 0 to 5 8	4 0 to 5 8	5 0	4 0 to 6 0	4 0 to 6 0	4 0 to 6 0	3 0 to 10 0	3 0 to 10 0	3 0 to 7 8	Shahabad.
Z 11 0	11 4	11 0	3 6 0	3 6 0	3 8 0	3 12 to 5 10	3 12 to 5 10	3 12 to 4 8	4 0 to 5 0	3 0 to 4 0	3 0 to 4 0	7 8 to 9 0	3 12 to 9 6	3 12 to 9 6	Durbhunga.
Z1 11 0	11 0	10 0	3 10 6	3 10 0	4 0 0	3 12 to 5 10	3 0 to 5 0	3 12 to 5 10	3 0 to 4 8	3 0 to 4 8	3 0 to 4 8	5 10 to 11 4	5 0 to 10 0	5 10 to 11 4	Mozufferpore.
Z2 10 4	10 8	10 0	3 14 0	3 14 0	3 14 6	3 12 to 7 8	3 12 to 7 8	3 12 to 7 8	4 0 to 7 0	4 0 to 7 0	4 0 to 7 0	5 10 to 10 0	6 9 to 10 0	6 9 to 10 0	Sarun.
10 0	9 8	10 0	4 1 6	4 3 6	3 12 0	3 12 to 4 0	3 8 to 3 12	2 13 to 3 12	4 0 to 6 0	4 0 to 6 0	4 0 to 6 0	5 0 to 8 0	4 0 to 6 0	5 10 to 9 6	Chumparun.
Z3 10 8	10 8	9 15	3 10 0	3 10 0	3 13 0	3 12 to 5 10	5 10	4 11 to 7 8	4 0 to 5 0	3 0 to 4 0	3 0 to 5 0	4 11 to 15 0	7 8 to 15 0	5 1 to 15 0	Monghyr.
10 11	10 8	10 1	3 12 0	3 12 0	3 15 6	4 0 to 5 0	3 12 to 4 11	4 11	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	10 0 to 16 0	7 8 to 11 4	7 8 to 9 6	Bhagulpore.
Z4 9 0	9 0	9 0	4 0 0	4 0 0	4 7 0	5 10 to 7 8	5 10 to 6 9	5 10 to 6 9	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	7 0 to 18 0	7 0 to 16 0	7 0 to 10 0	Purneah.
9 0	9 8	9 8	4 2 0	4 2 0	4 1 0	8 0	7 8	7 8	5 0	5 0	5 0	9 0 to 14 0	8 0 to 12 0	8 0 to 12 0	Maldah.
Z5 9 0	9 0	9 8	4 0 0	4 0 0	3 14 0	3 12 to 4 0	3 12 to 4 0	3 12	5 0	5 0	5 0	7 0 to 15 0	7 8 to 15 0	7 8 to 9 6	Sonthal Perghs.
															ORISSA.
Z6 11 0	11 0	8 0	3 12 0	3 12 0	4 7 0	4 11	4 11	5 0	5 0	5 0	4 8	7 8 to 8 6	7 8 to 9 6	6 0 to 7 8	Cuttack.
Z7 9 13	9 13	11 0	3 12 0	3 12 0	3 7 0	4 0	7 8	7 8	4 0 to 5 0	5 0	5 0	6 0 to 7 0	7 8 to 11 4	7 8 to 9 6	Pooree.
Z8 10 0	10 0	10 0	3 14 0	3 14 0	3 14 0	4 0 to 5 0	4 0 to 6 0	4 0 to 5 0	4 0 to 8 0	4 0 to 6 0	4 0 to 6 0	7 0 to 10 0	7 0 to 10 0	7 0 to 10 0	Balasore.
															CHOTA NAGPORE.
															South-West Frontier Agency.
8 0	8 0	8 0	4 6 0	4 8 0	4 4 0	4 4	4 8	4 0	5 0	4 0 to 5 0	5 0	8 0	7 8	8 0	Hazaribagh.
Z9 8 12	8 8	8 12	4 10 0	4 10 0	4 8 0	3 12	3 4½	2 13 to 3 12	3 8 to 5 0	4 0 to 5 0	3 8 to 5 0	5 10 to 11 4	4 11 to 12 4	3 12 to 9 6	Lohardugga.
9 0	9 0	8 0	4 6 0	4 6 0	4 12	4 0	3 0	3 0	6 0	4 0	4 0	12 0	12 0	12 0	Singbhoom.
Z10 9 14	9 14	9 2	3 14 0	3 15 0	4 0 0	4 3½	4 3½	4 3½	5 0	5 0	5 0	9 6 to 15 0	9 6 to 15 0	9 6 to 18 12	Manbhoom.

Z4 In the subdivisions the retail prices of salt per rupee are :- Kissengunge 8 seers and Arrareah (at Basantpur) 10 seers.
Z5 In the subdivisions the retail prices of salt per rupee are :—Pakour 10½ seers, Godda 9 seers.
Z6 In the subdivisions the retail prices of salt per rupee are :—Kendrapara 10 seers and Banki 12 seers.
Z7 At Khurda the retail price of salt is 11 seers per rupee.
Z8 At Bhuddruck the retail price of salt is 9 seers per rupee.
Z9 Retail price of salt at Gurwa in Palamow subdivision is 9 seers per rupee.
Z10 At Govindpore the retail price of salt is 9 seers per rupee.

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C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Sa

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A.
1	Calcutta ...	2 15 4	2 14 4	2 11 2	1 11 11	1 11 3	2 1 1	4 0 9	3 14 4	4 8 10	2 12 1	2 10 7	2 13
2	Serajgunge ...	2 2 0	2 1 0	2 1 0	...	...	...	4 8 0	4 12 0	4 8 0	3 4 0	3 0 0	2 12
3	Dacca ...	2 8 0	2 6 0	3 0 0	1 8 0	1 4 0	2 7 0	3 0 0	2 14 0	3 0 0	2 8 0	2 8 0	2 13
4	Naraingunge	...	...	...	...	...	...	2 8 0	2 8 0	3 0 0	2 4 0	2 4 0	2 14
5	Chittagong	3 0 0	3 0 0	3 8 0	...	...	...	3 8 0	3 2 0	3 4 0	2 10 0	2 6 8	2 10
6	Patna ...	2 3 6 2 8 0	Red. 2 3 6 White. 2 5 0	2 4 6 2 6 6	1 12 9	1 10 3	1 10 6	3 9 9	3 9 9	3 12 0	2 4 9	2 4 6	2 6
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 8	2 3 0	2 3 0	2 6
8	Pooree ...	.	...	...	...	...	.	...	...	...	1 14 3	1 14 3	2 4
9	Cuttack ...	3 4 0	3 10 0	2 10 0	...	...	...	3 10 0	3 4 0	3 10 0	2 2 0	2 2 0	2 5

CALCUTTA,
The 28*th July*, 1891.

in the undermentioned Marts of Bengal on the **15*th July*, 1891.**

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Aristinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 15 0	2 0 3	2 1 3	...	...	1 14 2	2 3 11	2 5 10	2 1 7	Calcutta.
1 14 0	1 14 0	2 8 0	...	...	...	...	...	...	Serajgunge.
2 7 0	2 7 0	3 0 0	...	...	...	2 5 0	2 7 0	3 0 0	Dacca.
3 12 0	3 8 0	4 0 0	...	...	...	4 8 0	4 8 0	3 12 0	Naraingunge.
3 0 0	3 0 0	3 4 0	...	...	...	...	...	...	Chittagong
1 12 6	1 12 6	1 13 0	...	...	...	1 15 9	2 1 6	1 11 6	Patna.
2 12 0	2 12 0	2 12 0	...	...	...	...	...	...	Balasore
(kalai). ...	...	...	...	...	...	...	...	...	Pooree.
(kalai). 2 5 0	2 2 0	2 10 0	...	...	...	2 2 0	2 2 0	1 11 0	Cuttack.

Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
0 5 9	0 5 9	0 5 9	3 6 1	3 6 0	3 9 4	Calcutta.
0 6 0	0 5 6	...	3 12 0	3 13 0	3 12 0	Serajgunge.
0 5 0	0 5 0	0 4 0	3 13 0	3 13 0	4 2 0	Dacca.
0 8 0	0 8 0	0 8 0	3 10 0	3 10 0	3 13 0	Naraingunge.
0 5 0	0 5 0	0 5 4	3 12 0	3 12 0	3 14 0	Chittagong
0 5 4	0 5 4	0 5 6	3 9 6	3 11 0	3 13 0	Patna.
0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore
...	...	...	3 12 0	3 12 0	3 7 0	Pooree.
0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	4 7 0	Cuttack.

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C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. — Air pressure. — Mean barometric height, 8 A.M.	Mean reduced to sea-level and lat. 45°.	Variation from mean.	Wind. — Prevailing direction.	Mean wind velocity.	Temperature. — Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·511	29·460	—	WSW	319	87 2	23rd July	78·1	19th July	85·6	80·0	82·8	—	81·4
		Gopalpore	29·526	29·487	—·013	SW	422	86·7	22, 24 „	80·3	25th „	85·8	81·0	83·4	+0·5	82·5
		False Point	29·518	29·481	—·065	WSW	274	88·5	23rd „	76·1	20, 25 „	86·4*	77·6	81·6*	—0·6	81·2
	Cuttack	Cuttack	29·461	29·483	—·050	Calm	69	92·4	21st „	77·9	25th „	89·3	78·7	84·0	+0·1	82·1
	Balasore	Balasore	29·458	29 458	—·072	Variable	112	90·4	21-24 „	75·7	10th „	88·5	77·3	83·0	+0·3	80·9
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·488	29 457	—·067	Variable	312	90·7	20, 23 „	79 0	25th „	89·1	80·6	84 9	+1·0	82·7
	Midnapore	Midnapore	29·374	29·468	—·063	NE	197	92·3	19th „	78 1	20, 21 „	90·0	79 0	84·6	+1·0	82·2
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29 503	29 468	—·052	SEly	113	91·1	10th „	78·2	23rd „	88·9	79 0	84 0	+0·6	82·1
	Burdwan	Burdwan	29·466	29·491	—·029	SEly	101	93·6	19th „	78·4	21, 24 „	91·2	79·1	85·2	+0·2	82·1
	Bankoora	Bankoora	29·224	29·471	—·03[illegible]	E	86	92·1	23rd „	78·0	25th „	90·5	78·6	84 6	+1·0	81·3
	Beerbhoom, West Burdwan	Raneegunge	29·209	29·501	—·028	Variable	82	93·0	22nd „	77·8	25th „	91·3	78·9	85·1	+1·0	81·0
	Moorshedabad	Berhampore	29 485	29·509	—·028	E	122	91·7	20th „	77 3	24th „	89 8	78·5	84·2	—0·3	81·2
	Nuddea	Krishnaghur	29·492	29·487	—·030	SEly	106	92·3	23rd „	77·7	25th „	91·0	79 0	85·0	+0·5	82·8
	Jessore, Khoolna	Jessore	29·523	29·503	—·037	ESE	120	91·2	19th „	78·9	20th „	89 7	79 3	83·5	0	82·2
East Bengal.	Chittagong	Chittagong	29·539	29 573	—·031	SE	125*	89 7	20th „	77·1	21, 23, 24 „	86·4	77·5	82·0	+1·0	80·9
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·561	29·521	—·026	Calm	119*	89·3	21, 22 July	78·8	20, 23 25 „	88·3	79·3	83·8	+2·2	83·3
	Noakhally	Noakholly	29·572	29·562	—·045	SE	209*	89·0	20th „	78·3	20, 21 „	86·1	78·3	82·2	+0·7	80·9
	Furreedpore	Furreedpore	29·532	29·539	—·013	SE	113	90·0	20th „	78 4	24, 25 „	88·4	79·8	84 1	+1·4	83 9
	Dacca	Dacca	29·565	29·535	—·123	SEly	109	91·1	20th „	78 7	3, 24 „	88·9	79 9	84·4	+0·3	82·2
	Commillah	Commillah	29·570	29·562	—·013	SE	132	91·3	20th „	66·8	23rd „	88·5	75 7	82·2	—0·4	81·4
	Mymensingh	Mymensingh	29·548	29·556	—·014	ESE	156	92 2	20th „	77 5	24, 25 „	88·4	79·1	83 8	+0·5	82·5
North Bengal.	Bogra	Bogra	29·508	29·521	+·004	E	113	92 8	20th „	78·2	25th „	89·9	79·9	84 9	+0·7	83·6
	Pubna	Serajgunge	29·541	29·530	—·014	SEly	100	91·1	19th „	77 8	23, 24 „	88·8	79·7	84·3	+0·5	82·2
	Rajshahye	Rampore Beauleah.	29·494	29·513	—·004	SEly	112	91·3	20th „	77·6	24th „	89 2	79·3	84·3	+0·2	82·8
	Maldah	Maldah	29·478	29·509	—	SE	94	95·1	20th „	78·2	25th „	92·3	79·8	86·0	—	84·4
	Dinagepore	Dinagepore	29·461	29·530	—·024	NEly	44	93·6	20th „	76·2	25th „	90·7	80·0	85 4	+0 6	83 3
	Rungpore	Rungpore	29·479	29·554	+·006	SEly	45	93 8	20th „	76·2	25th „	90·9	79·2	85 1	+0·4	82·5
	Julpigoree, Cooch Behar	Julpigoree	29·306	29·540	+·024	?	80*	93·4	20th „	74 6	23rd „	90·0	77·8	84·0	+0·6	82·6
	Darjeeling Hill Tracts	Darjeeling	23 680	—	+·015	Variable	86	70·1	21st „	55 6	25th „	67·7	57·8	62·8	+0·4	63·8
North Behar.	Purneah, North Bhagulpore	Purneah	29·447	29·523	—·004	SSE	57	93·2	20th „	76·2	25th „	91 1	78·3	84·7	0	83·7
	Mozufferpore	Mozufferpore	29 364	29·493	—	ESE	202	93·4	23rd „	79·2	25th „	91 7	81·2	86 5	—	83·6
	Durbhunga	Durbhunga	29·406	29·523	—·005	ESE	153	93·4	20-23 „	79·0	23, 25 „	91·8	80 0	86 2	+1·2	84·9
	Chumparun	Motihari	29 327	29 505	—·005	ESE	186	94·2	20, 21 „	77·9	25th „	92 2	79·9	86·1	+0·8	84·6
	Sarun	Chupra	29·319	29·480	—·014	E, ESE	167	95·3	22, 23 „	78·1	25th „	93·5	80·2	86·9	+1·8	84·8
South Behar.	Shahabad	Dehree	29·176	29·471	—·024	E, ESE	367*	96·8	23rd „	79·0	25th „	94·1	81·5	87·8	+4·4	85·6
		Buxar	29·282	29·471	—·031	E	235	96·9	22nd „	79·2	24, 25 „	94·9	81·1	88 0	+3·4	86·0
		Arrah	29·342	29·480	—·008	ESE	46	95·4	23rd „	79·1	25th „	93·5	81·1	87 3	+1·7	85·1
	Gya	Gya	29·158	29 481	—·032	ESE	141	94·5	22, 23 „	78 3	23, 25 „	92 3	80·2	86 3	+1·1	83·5
	Patna	Bankipore	29·359	29·491	—·023	E	207	94·4	22nd „	79·2	25th „	92 5	81·3	86 9	+1·6	85·0
	South Bhagulpore, Monghyr	Bhagulpore	29 385	29·407	—·053	Variable	70	93 2	22, 23 „	78·0	23, 25 „	91·2	79·6	85·4	+0·6	83·3
	Sonthal Pergunnahs	Doomka	29·048	29·503	—·018	SEly	222	9[illegible]·4	20th „	77·2	20th „	89·4	78 2	83·9	+0·7	81·7
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·553	29·484	—·030	E	236	87·7	23rd „	73·3	25th „	86·5	74·4	80·5	+1·4	76·6
	Lohardugga, Manbhoom	Ranchee	27·429	29·474	—·035	NE	130*	86·5	22nd „	72·4	20th „	85·4	73·4	79·4	+1·3	76·1
	Singbhoom	Chyebassa	28·758	29·457	—·038	Calm	86	91·4	22-24 „	77·2	21st „	90·1	76·1	83·1	+1·4	81·1
Assam.	Sibsagar	Sibsagar	29·297	29·582	—·027	SW	—	95·6	20th „	78·0	24th „	89·0	79·6	84 3	—0·4	82·4
	Goalpara	Dhubri	29·487	29·555	+·014	SW	164	90 7	20th „	77·8	23 & 24 „	87·7	79·0	83·4	—0·6	81·3
	Cachar	Silchar	29·525	29·579	—·025	Calm	—	96·6	20th „	75·3	23rd „	89·8	76·2	84 0	0	81·5

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fall.

for the week ending Saturday, the 25th of July 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District observations. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
90	7·9	1·41		3·04		10·20			21·05			3 30	Pooree ...	Pooree	Orissa.
86	5·4	0·14											Gopalpore ...		Orissa.
90	8·6	4·32											False Point ...		Orissa.
82	7·9	2·85		2·00		9·97			22·70			3·53	Cuttack ...	Cuttack	Orissa.
90	5·7	6·21	•	3·29		10·68			22 21			3·43	Balasore ...	Balasore	Orissa.
87	9·0	3·65	2 28	3·71	11·36	12·15	—0·79	22·54	25·17	—2·63	3·67	3·73	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
50	4·0	2·59	2·14	3 12	9·32	10·20	—0.97	22·80	22·58	+0·31	3·00	3·53	Midnapore ...	Midnapore	South-West Bengal.
88	8·1	3·10	2·13	3·34	6·88	9·97	—3·00	17·19	22 96	—5·77	4·10	4 17	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	South-West Bengal.
84	8·4	1·32	1·47	2·38	9·69	8·24	+1·45	23·04	19·90	+3·05	3·67	3 55	Burdwan ...	Burdwan	South-West Bengal.
90	8·3	1·53	1·88	3·45	8·40	10·09	—1·69	23·29	23·80	—0·51	4·50	4·27	Bankoora ...	Bankoora	South-West Bengal.
88	8·6	0·73	1·15	3·09	7·27	10·24	—2·97	20·77	22·89	—2·12	3·00	3·63	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	South-West Bengal.
92	8·1	1·28	1·16	2·25	6·57	8·55	—1·98	22·20	21·52	+0·76	2·83	3·55	Berhampore ...	Moorshedabad ...	South-West Bengal.
85	8·0	1·08	1·14	2 24	7·58	8·21	—0·63	21·02	21·65	+0·27	3·80	3·68	Krishnagur ...	Nuddea	South-West Bengal.
91	9·4	1·81	1·29	2·55	8·41	8 89	—0·48	22·94	24·66	—1·72	3·63	3 92	Jessore ...	Jessore ... ... Khoolna	South-West Bengal.
87	8·7	0·62		6·16		23·31			59·34			5·19	Chittagong ...	Chittagong	East Bengal.
			1·34	4·81	20·78	14·64	+6·14	41·03	38·95	+2·08	6·00	4·50	Demagiri ...	Chittagong Hill Tracts	East Bengal.
86	6·6	0·78	0·92	4 04	10·95	14·22	—3·27	27·80	38·16	—10·36	3·25	5·09	Barrisal ...	Backergunge	East Bengal.
91	4·4	4·66	3·04	4·96	18·71	17·90	+0·72	42·12	51·38	—9·26	5·00	5·27	Noakhally ...	Noakhally	East Bengal.
88	6·3	0·92	0·93	3·06	8·82	9 26	—0·44	22·29	26·05	—3·76	2·67	4·12	Furreedpore ...	Furreedpore	East Bengal.
87	8·9	1·22	0·83	3·02	8·03	10·93	—2·90	31·22	23·58	+2·64	3 00	4·02	Dacca ...	Dacca	East Bengal.
87	4·0	2·49	2·37	3·14	9·52	10·80	—1·28	34·34	31·87	+2·47	4·00	4·37	Commillah ...	Commillah	East Bengal.
80	5·0	1·93	1·15	3·19	9·42	10·74	—1·32	40·32	33·32	+7·00	3·00	3·95	Mymensingh ...	Mymensingh	East Bengal.
84	4·7	0·31	0·58	2·70	7·01	10 27	—3·26	23·47	27·88	—4·41	2·25	3·18	Bogra ...	Bogra	North Bengal.
88	6·6	0·44	0·65	1·84	6·40	7 80	—1·40	22·45	23·08	—0·63	2·50	3·53	Serajgunge ...	Pubna	North Bengal.
80	5·9	0·75	1·25	2·43	8·52	9·38	—0·86	23·40	24·63	—1·23	2·00	3·34	Rampore Beauleah	Rajshahye	North Bengal.
85	5·1	1·47	1·28	1·90	9·19	9 25	—0·06	20·28	24·59	—4·31	2·50	3·39	Maldah ...	Maldah	North Bengal.
86	7·1	1·06	1·23	2·57	16·91	9·43	+7·48	29·54	28·19	+1·35	3·00	3 48	Dinagepore ...	Dinagepore	North Bengal.
88	2·1	0·90	1·43	2·53	19 27	10·98	+8·29	40·09	39·67	+0·42	2·75	3 67	Rungpore ...	Rungpore	North Bengal.
91	1·6	5·35	2·33	4·33	21·93	17 07	+4·86	47·39	57·71	—10·32	2·21	4·27	Julpigoree ...	Julpigoree ... ... Cooch Behar	North Bengal.
94	7·6	5·88	4·71	6 72	17·65	27 71	+0·06	42·84	66·72	—23·88	4·25	5·27	Darjeeling ...	Darjeeling Hill Tracts	
86	4·4	1·42	0·65	2·86	8·55	10·75	—2·20	22·36	26·46	—4·10	2·00	3 41	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
86	5·7	0·34	0·27	2·49	8·22	8·80	—0·58	22·49	19·01	+3·48	1·00	3 08	Mozufferpore ...	Mozufferpore	North Behar.
81	5·0	0·36	0·53	2·20	9·10	8·63	+0·47	20·60	19·36	+1·24	1·67	3 12	Durbhunga ...	Durbhunga	North Behar.
82	4·9	0·37	0·27	2·45	7·77	9·33	—1·56	20·65	20·09	+0·56	1·00	2 67	Motihari	Chumparun	North Behar.
87	5·6	0·66	0·30	3·17	5·38	9·61	—4·23	16·86	18·47	—1·61	0·67	3·31	Chupra ...	Sarun	North Behar.
79	4·3	0·24											Dehree ...		South Behar.
77	6·0	0·09	0·10	3·07	3·10	9·20	- 6·10	7·54	16 11	—8·57	0·40	3·42	Buxar ...	Shahabad	South Behar.
84	3·4	0·32											Arrah ...		South Behar.
86	5·1	0·63	1·02	3·00	8·41	9 04	—0·63	15·24	17·25	—2·01	1·75	3·25	Gya ...	Gya	South Behar.
82	7·4	0·27	0·26	3·19	8·68	9·04	—0·36	21·44	18·09	+3·35	1·00	3·29	Bankipore ...	Patna	South Behar.
86	7·7	5·14	2·17	2·66	9·40	8·32	+1·08	19·91	18·05	+1·86	2·20	3·63	Bhagulpore ...	South Bhagulpore ... Monghyr	South Behar.
85	4·9	1·10	1·47	2·77	8·51	9·49	—0·98	19·96	21·98	—2·00	2·67	4·05	Doomka ...	Sonthal Pergunnahs ..	South Behar.
91	9·3	1·68		3·48		10 37			21·65			5·03	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
88	8·3	1·99	1·92	3·00 2·61	11·34	9·86 9·44	+1·90	21·75	20·14 19·98	+1·82	3·50	4·29 4·18	Ranchi ...	Lohardugga ... ... Manbhoom	Chutia Nagpur.
86	8·6	1·76	1·82	4·15	8·31	11·75	—3·44	15·53	23·23	—7·70	4·00	4·10	Chyebassa ...	Singbhoom	Chutia Nagpur.
92	9·1	1·82											Sibsagar		Assam.
88	6·6	0·26											Dhubri	Assam	Assam.
86	9·7	3·03											Silchar		Assam.

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 25th of July 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 19th July.	Monday, 20th July.	Tuesday, 21st July.	Wednesday, 22nd July.	Thursday, 23rd July.	Friday, 24th July.	Saturday, 25th July.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 10th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·03	0·45	...	...	...	...	1·37	2	1·77	2·33	2·52	8·69	7·24	18·75
		Khurdah ...	1·04	0·67	...	1·52	0·13	0·97				3·83		11·13		23·35
		Banpur ...	4·00									2·54		9·37		18·05
		False Point ...	0·12	1·05	...	...	0·09	...	3·06	8	4·32	3·41	13·72	11·59	18·79	24·08
		Gop ...										?		?		?
		Satpara ...	...	0·15								?		?		?
		Pipli ..										?		?		?
	Cuttack	Jagatsingpore	0·18	...	...	0·23						3·10		8·82		18·33
		Banki ...	...	...	...	...	0·04	0·57				1·92		9·59		22·58
		Cuttack ...	...	0·95	0·54	0·15	...	0·16				3·52		10·94		20·29
		Kendrapara ...	0·07	0·90	0·12	0·55	...	0·09	3·01	4	4·74	2·04	9·51	9·75	13·15	21·79
		Jajpore ...	0·13	0·60	...	1·00	...	1·63	5·15	5	8·53	3·40	10·03	10·77	16·66	24·47
		Dharmsala ..	0·28	...	...		2·55	3·90				?		?		?
		Salipore ..	...	...	0·80							?		?		?
	Balasore ..	*Akhoyapada*...	0·09	0·32	...	...	...	0·83	3·92	3	5·16	?	7·23	?	18·99	?
		Chandbali ...	0·50	1·50	0·16	...	...	...	2·50	4	4·66	3·29	7·09	9·88	11·65	20·72
		Bhuddruck ...	1·11	0·61	0·03	...	...	0·68	2·25	4	4·73	2·90	10·53	9·54	16·53	21·87
		Sorah ...	0·10	...	...	...	...	1·00	3·40	3	4·50	3·81	7·10	10·19	14·40	20·59
		Balasore ..	1·99	0·40	0·03	...	...	1·73	2·08	4	6·23	3·12	8·97	11·07	17·04	23·23
		Jellasore ..										3·51		12·71		22·94
		Baripodah ...	2·39	0·10	...	...	1·36	0·93	1·20	5	5·98	3·09	9·57	10·66	18·70	23·83
SOUTH-WEST BENGAL.	Midnapore ..	Contai ...	0·03	0·20	0·03	0·02	0·12	0·01	0·22	3	0·63	3·59	7·72	11·40	14·17	24·46
		Saugor Island	0·12	...	...	...	0·20	0·08	3·25	3	3·65	4·11	17·22	13·13	28·13	20·39
		Tumlook ..	0·06	0·32	...	...	0·20	1·00	0·03	3	1·61	3·20	10·44	9·84	24·80	21·01
		Midnapore ...	0·28	0·29	...	...	0·08	0·04	1·45	3	2·14	2·93	6·71	9·93	17·18	21·42
		Ghattal ...	...	0·23	...	0·03	0·45	1·92	0·04	3	2·67	3·22	10·79	11·04	26·70	24·38
		Kukrahaty ...	...	0·05	...	...	0·40	0·15	0·25	3	0·85	?	5·28	?	14·22	?
		Garbetta ...	0·46	0·02	...	...	0·65	...	1·80	4	3·53	?	9·35	?	23·77	?
	24-Pergunnahs	Diamond Harbour ...	0·04	0·11	...	0·22	2·37	0·89	0·92	5	2·55	3·44	9·14	11·81	25·32	24·64
		Canning Town	1·80	0·13	...	...	0·12	0·20	0·25	5	2·50	?	6·23	?	16·88	?
		Alipore Jail ..	0·39	0·01	...	0·04	1·73	0·68	0·26	4	3·11	3·68	7·27	10·86	16·58	24·29
		Barrackpore...	0·43	0·14	...	0·03	0·40	0·45	0·68	5	2·13	3·89	6·55	9·97	15·79	23·39
		Dum-Dum ...	...	...	...	...	0·78	0·90	0·27	3	2·04	3·40	6·17	9·54	12·41	22·90
		Baraset ..	0·19	...	...	...	1·12	0·41	1·15	4	2·87	2·97	6·25	8·49	16·78	21·20
		Busserhat ...	...	...	...	...	0·64	0·52	0·17	3	1·33	2·84	6·47	10·31	19·61	24·63
	Howrah ..	Howrah ..	0·11	0·10	...	...	1·16	0·95	0·44	5	2·76	3·24	5·86	9·90	16·86	22·67
		Mohesreka (*Ooloberiah*) ...	0·97	0·10	...	0·02	0·52	0·60	0·20	5	2·41	2·94	6·76	10·88	18·54	22·86
	Hooghly ..	Serampore ...	0·74	0·07	...	0·22	0·54	0·28	0·43	5	2·28	4·09	5·86	10·26	14·84	22·83
		Hooghly ...	...	...	...	...	0·16	0·34	0·50	3	1·00	3·06	5·83	10·07	16·79	22·42
		Jehanabad ..	0·64	0·06	...	0·02	0·14	0·40	0·10	4	1·36	2·70	10·42	9·47	23·40	22·50
	Burdwan .	Culna ..	...	0·87	0·18	...	0·10	...	0·83	4	1·98	2·47	9·68	8·27	21·74	19·29
		Burdwan ...	0·73	0·03	0·02	0·04	0·33	0·06	0·11	3	1·32	2·18	11·18	8·40	24·83	20·01
		Cutwa ...	...	0·07	0·35	...	0·20	0·33	0·10	4	1·10	2·48	8·21	8·05	22·55	20·68
		Raneegunge ..	...	0·04	0·02	...	...	0·20	0·47	2	0·73	3·43	5·59	11·15	21·02	22·13
		Mankur ...	...	0·24	...	...	0·33	0·56	0·14	4	1·27	?	9·30	?	23·24	?
	Bankoora ..	Bankoora ..	0·05	0·16	0·03	...	0·97	0·12	0·20	4	1·53	2·70	8·96	9·72	22·41	22·31
		Bishenpore ...	0·14	0·17	0·15	...	0·45	0·67	0·48	6	2·06	3·13	9·87	9·28	25·19	22·98
		Maliara ...	...	0·18	...	...	0·14	0·98	0·65	4	1·95	3·61	8·32	10·60	27·60	24·24
		Khatra ...	...	0·52	...	0·31	0·68	...	0·49	4	1·90	4·38	6·42	10·78	17·90	25·64
		Indas ...	...	0·25	...	...	0·20	0·54	0·75	4	1·74	?	10·58	?	24·39	?
		Kotalpore ...	...	0·27	...	...	...	0·30	0·23	3	0·80	?	8·50	?	22·85	?
		Anda ...	...	...	...	0·05	0·20	0·32	...	2	0·57	?	3·80	?	9·34	?
		Gangajalghati	0·67	0·50	...	...	0·33	0·20	...	4	1·76	?	9·89	?	25·98	?
		Raipore ...	...	1·15	0·12	...	2·55	...	0·21	4	4·03	?	9·56	?	28·75	?
		Sonamukhi ..	...	...	...	...	0·16	0·67	0·12	3	0·95	?	8·53	?	24·55	?
	Beerbhoom	Bh. Soory ..	...	...	0·01	0·03	0·59	0·17	0·27	3	1·07	2·34	9·93	10·07	22·83	23·29
		Hetampore ...	...	...	0·05	0·07	0·01	0·61	0·47	2	1·21	3·63	5·93	11·80	21·33	25·31
		Rampore Haut	0·83	0·02	0·12	...	0·31	0·11	1·14	5	1·53	2·80	7·51	8·17	17·19	21·02
		Bolpore ..	...	...	...	...	...	0·80	0·55	2	1·41	?	5·82	?	21·05	?
		Murari ...	0·10	...	...	...	...	...	0·50	2	0·60	?	11·38	?	20·92	?
	Nuddea ...	Ranaghat ..	0·21	0·14	0·26	...	0·24	0·25	0·17	6	1·27	2·58	6·56	8·47	18·60	21·26
		Kishnaghur ...	0·02	0·02	0·58	0·01	...	0·06	0·39	2	1·08	2·29	9·46	8·23	24·83	19·72
		Chooadanga ..	0·06	...	0·15	...	0·25	0·15	0·40	4	1·01	2·09	7·10	8·43	21·24	22·00
		Meherpore ...	0·15	...	...	...	...	0·25	·048	3	0·88	1·98	8·95	7·67	24·90	21·07
		Kooshtea ..	0·13	...	0·83	...	0·10	0·07	0·32	4	1·45	2·28	5·85	8·25	20·08	24·31
	Khoolna ..	Satkhira ..	0·11	0·01	0·03	0·15	0·50	0·05	0·06	3	0·91	2·44	10·21	9·88	22·78	25·97
		Bagirhat ...	...	...	...	0·03	0·17	0·16	0·36	3	0·72	3·25	8·63	11·10	25·82	29·62
		Khoolna ...	0·20	...	0·22	...	0·18	0·04	0·42	4	1·06	2·40	6·09	8·89	18·48	25·18
		Nakipur ...										?		?		?
		Rampal .	...	0·14	...	...	0·45	0·12	...	3	0·71	?	5·54	?	15·54	?
	Jessore ...	Narail ...	0·05	...	0·10	0·12	0·27	0·13	1·03	5	1·69	1·95	8·71	7·38	19·31	21·14
		Jessore ...	0·65	...	0·10	0·03	0·25	0·21	0·57	5	1·81	3·27	7·46	9·14	22·92	25·61
		Jhenidah ...	0·80	...	0·14	...	0·05	0·12	0·87	4	1·98	2·05	6·59	7·82	24·03	24·01
		Magoorah ...	0·40	...	0·08	...	0·05	0·07	0·83	2	1·43	2·42	9·53	8·27	27·87	23·81
		Bongong ..	...	...	0·15	...	...	0·35	0·25	3	0·75	2·54	8·06	8·56	22·32	21·91
	Moorshedabad	Kandi ...	0·45	...	...	...	0·09	0·15	0·06	3	0·75	2·57	4·34	9·74	17·42	22·34
		Berhampore...	0·05	...	0·10	0·01	0·07	0·60	0·16	3	1·28	1·89	4·56	8·18	19·30	21·12
		Lalbagh ...	0·27	0·06	0·15	...	0·62	0·37	0·45	5	1·94	2·12	6·79	7·82	23·26	20·06
		Azimgunge ...	...	...	...	...	0·10	0·21	0·50	3	0·81	2·35	6·99	8·33	20·30	21·53
		Jungipore ...	...	...	...	...	0·25	0·87	0·43	3	1·55	2·53	4·78	8·64	28·21	21·31
		Lalgola ...	...	...	...	...	...	...	0·60	1	0·60	2·07	7·89	8·56	26·04	22·77
		Akhrigunj ...	...	...	...	...	...	0·35	0·61	2	0·95	?	6·04	?	23·18	?
		Patkabari ...	...	...	...	...	...	0·21	0·70	2	0·90	?	5·05	?	25·65	?
EAST BENGAL	Chittagong	Cox's Bazar ...	...	0·60	1·23	0·15	0·52	1·44	0·98	6	4·92	7·46	34·86	29·90	46·77	71·46
		Chittagong ...	0·04	...	0·03			0·20				4·86		16·72		47·23
		Kutubdia ...	...	0·21	0·50							?		?		?
		Satkanya ...	0·50	0·05	0·12	...	0·21					?		?		?
	Chittagong Hill Tracts.	Rangamati ...	0·40	0·21	...	0·15	0·11	0·16	0·22	6	1·34	4·81	49·63	14·64	70·78	38·95
		Bundarban ...	1·81	...	0·10	...	...	...	0·39	3	2·30	?	50·53	?	71·68	?
	Backergunge	Patuakhally...	0·12	0·15	...	...	0·31	...	0·30	4	0·87	5·08	10·49	10·02	29·21	44·92
		Perozepore ...	...	...	...	...	0·09	0·11	0·31	2	0·51	3·49	10·48	12·25	29·81	[illegible]
		Burrisal ...	...	0·04	0·05	...	0·19	0·18	0·38	3	0·83	3·51	11·67	12·20	23·75	33·33
		Bhola ...	...	0·05	0·13	...	0·77	0·24	0·20	4	1·48	4·13	11·19	15·57	26·44	41·72

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 25th of July 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 19th July.	Monday, 20th July.	Tuesday, 21st July.	Wednesday, 22nd July.	Thursday, 23rd July.	Friday, 24th July.	Saturday, 25th July.	Total. Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
East Bengal—concld.		*Gournaddi* ...	......	......	0·24	0·12	......	0·28	0·37	4	1·01	?	7·90	?	21·41	?
		Bauphal ...	......	......	......	......	0·24	1·00				?		?		?
	Noakholly ...	Noakholly ..	......	0·37	0·42	0·08	1·59	2·05	0·14	5	4·65	5·26	14·08	18·16	40·86	50·10
		Fenny ..	0·15	......	0·20	0·10	1·96	0·90	......	5	3·33	4·66	23·42	17·80	43·42	52·62
		Harishpore ...	......	0·05	1·45	......	4·15					?		?		?
		Ramganj ...	......	......	......	0·22	0·10	1·77	0·13	4	3·22	?	10·1	?	28·81	?
	Furreedpore	Madaripore ..	0·31	......	......	......	0·58	0·12	0·20	4	1·30	2·02	11·12	9·33	20·62	20·86
		Furreedpore...	0·05	......	0·26	0·08	0·33	0·05	0·07	2	0·81	2·95	5·28	9·05	26·19	26·43
		Goalundo ..	......	......	......	......	0·42	0·18	0·09	3	0·60	3·30	7·58	9·36	20·34	24·86
	Dacca ...	Munshigunge	......	......	0·10	......	0·65	0·20	......	3	0·95	3·08	9·85	12·43	27·19	32·85
		Dacca ..	......	......	0·32	0·12	0·37	0·21	......	4	1·02	2·81	8·35	10·47	36·53	28·08
		Naraingunge	......	......	0·08	......	0·23	0·32	......	2	0·63	3·71	6·36	11·48	33·00	30·70
		Manickgunge	......	......	0·17	0·03	0·34	0·03	0·16	3	0·73	2·50	7·07	9·33	28·21	22·73
		Joydebpore ..	......	0·12	0·04	0·05	1·00	0·23	0·21	4	1·65	?	9·75	?	30·29	?
	Hill Tipperah	Agartola ..	0·10	......	0·20	0·30	......	0·50	0·70	5	1·80	2·34	9·90	8·70	4[illegible]·20	27·08
	Tipperah ...	Comilla ...	......	......	......	0·10	1·25	0·31	0·98	4	2·59	4·03	7·85	12·80	36·51	37·32
		Chandpore ...	......	......	......	......	1·75	1·12	0·10	3	2·97	4·27	7·93	12·56	26·54	33·59
		Brahmunberia	......	......	0·60	......	0·92	0·19	0·42	4	2·13	1·91	12·38	9·01	36·06	28·84
		Ramchandrapore ...	......	......	0·10	......	......	0·25	0·97	3	1·32	?	12·15	?	35·27	?
		Nasirnagar ...	......	......	......	......	0·54					?		?		?
		Daudkandi ..	......	......	......	0·50	0·30	......	......	2	0·80	?	6·30	?	32·06	?
		Kasba ...	0·10	......	......	0·02	......	0·44	0·08	2	0·64	?	?	?	?	?
		Laksham ..										?		?		?
	Mymensingh .	Kishoregunge	......	......	0·07	......	0·08	0·42	0·61	2	1·18	2·80	11·44	10·04	53·00	33·07
		Atia (*Tangail*)	......	......	......	......	......	0·17	0·03	1	0·20	2·45	4·54	8·79	27·83	25·24
		Mymensingh	......	......	0·15	0·13	0·44	0·77	0·38	5	1·87	3·53	9·30	11·07	34·71	36·81
		Jamalpore .	......	......	0·16	......	0·48	0·08	0·34	3	1·06	2·85	11·94	9·84	32·02	28·80
		Netrokona ..	......	......	......	0·40	0·35	0·36	0·32	4	1·43	4·33	9·78	13·38	53·16	41·77
		Subornakhali	......	0·12	......	......	......	......	0·60	2	0·72	?	7·59	?	21·60	?
		Durgapore ...	......	......	......	......	......	0·90	1·20	2	2·10	?	20·25	?	13·09	?
		Sherepore Town	......	......	......	......	0·45	0·22	1·03	3	1·70	?	10·12	?	30·76	?
		Dewanganj ..	......	......	......	0·21						?		?		?
North Bengal.	Pubna ...	Pubna ...	0·19	......	......	......	0·19	0·31	0·13	4	0·83	1·74	5·42	7·13	18·13	22·25
		Serajgunge ..	......	......	0·04	......	0·04	0·09	0·30	1	0·47	1·03	7·38	8·45	25·72	23·86
	Bogra ...	Sherepore .	......	......	0·07	......	......	0·22	0·45	2	0·74	2·97	4·60	10·34	17·65	28·04
		Nowkhilla ..	......	0·15	......	......	......	......	0·32	2	0·47	2·98	5·82	9·42	27·21	26·99
		Bogra .	......	......	0·13	......	0·02	0·02	0·14	2	0·31	2·85	7·32	11·17	23·73	31·51
		Pauchbibi .	......	......	......	0·27	0·06	0·23	0·25	3	0·81	2·23	10·30	10·16	25·33	26·93
	Rajshahye ...	Beauleah	0·02	......	0·32	......	0·08	0·04	0·21	2	0·67	1·01	6·02	9·59	20·49	22·54
		Nattore	......	......	......	......	0·41	1·55	......	2	1·96	2·11	9·54	9·35	29·45	23·94
		Naogaon .	......	0·06	0·05	......	0·20	......	0·80	2	1·11	3·16	10·01	9·21	20·23	27·40
		Lalpore ...	......	......	......	0·80	......	0·20	......	2	1·00	?	5·99	?	19·31	?
		Manda .										?		?		?
	Maldah ...	Maldah ...	......	......	......	0·19	0·77	0·09	0·42	3	1·47	1·71	7·80	8·73	21·00	23·53
		Chauchal ...	......	......	......	......	0·49	0·05	0·54	2	1·08	2·09	10·56	9·76	19·50	25·64
		Gajol ...	......	......	......	......	......	0·30	0·80	2	1·10	?	18·39	?	20·42	?
		Sibganj ..	......	......	......	......	1·18	0·03	0·48	2	1·69	?	9·04	?	24·74	?
	Dinagepore ...	Mohadebpore	......	......	......	......	0·55	0·25	0·35	3	1·15	2·86	10·92	9·19	17·20	20·84
		Churamon ..	......	......	......	......	0·61	0·11	0·55	3	1·27	2·44	19·06	9·34	30·49	24·03
		Raigunge ..	......	......	......	......	0·30	0·98	0·45	3	1·73	2·13	24·16	9·29	43·05	28·63
		Dinagepore	......	......	0·41	......	......	0·14	0·82	3	1·37	2·81	17·85	10·74	30·73	32·93
		Baloorghat	......	......	0·12	......	......	0·27	0·22	3	0·61	2·58	12·56	8·64	26·47	27·06
		Thakoorgaon	......	......	......	......	0·45	......	......	1	0·45	?	27·83	?	49·01	?
	Rungpore ...	Bhowanigunge (*Gyabanda*)	......	......	......	......	......	0·10	1·20	2	1·30	2·67	17·71	9·51	37·22	30·19
		Rungpore ..	......	......	0·06	0·07	0·20	0·27	0·42	3	1·02	2·69	17·41	13·03	41·71	39·96
		Kurigram ..	......	......	......	......	1·17	1·02	0·28	3	2·47	2·46	17·53	11·06	38·89	42·41
		Bagdogra (*Nilphamari*)	......	......	......	0·05	0·19	0·40	0·29	3	0·93	2·30	24·15	11·06	42·56	40·59
		Ulipore ...	......	......	......	......	......	0·92	0·70	2	1·62	?	17·49	?	30·31	?
	Jalpigoree ...	Jalpigoree ..	......	0·33	......	2·57	2·29	0·06	0·09	3	5·34	4·41	18·14	19·31	36·70	57·47
		Alipore Dooar	......	1·29	......	......	0·40	0·29	......	3	1·98	?	28·56	?	52·09	?
		Fallacotta ...	......	0·13	......	0·82	1·63	......	......	3	2·58	?	18·12	?	35·15	?
		Debiganj ..	......	......	......	0·15	0·94	0·57	0·04	3	1·70	?	33·82	?	48·00	?
		Bhagatpore (*Nagrakatta*)	0·08	......	0·35	0·70	0·70	1·40	0·29	5	3·43	?	17·75	?	43·26	?
	Cooch Behar	Dinhatta ..	......	......	......	......	0·35	0·16	......	[illegible]	0·51	3·06	21·73	11·48	47·74	50·57
		Cooch Behar...	......	......	......	......	0·41	0·16	......	2	0·57	4·94	2[illegible]·42	17·07	54·74	64·40
		Mekligunge..	......	......	......	0·27	1·46	0·05	......	2	1·78	4·86	20·51	16·73	45·58	54·03
		Matabhanga...	......	......	......	2·11	1·31	0·04	0·02	2	3·47	4·38	22·89	18·16	52·11	59·46
	Darjeeling Hill.	Buxa .	......	0·12	0·55	0·78	1·99	0·08	0·04	4	3·56	8·61	24·80	38·56	61·[illegible]5	101·[illegible]
		Siliguri ..	......	0·02	0·05	0·10	3·80	0·45	......	3	4·42	7·15	16·07	27·04	31·61	64·40
		Darjeeling ...	......	......	0·21	1·18	1·79	0·74	1·96	5	5·88	4·[illegible]8	1[illegible]·67	22·30	46·31	54·17
		Kalimpong ..	......	......	0·24	0·49	2·15	0·67	1·42	5	4·07	6·64	10·94	22·56	26·34	40·89
		Kurseong ...	0·16	0·08	1·00	0·35	2·18	0·48	1·03	6	5·26	?	[illegible]3·40	?	56·01	?
North Behar	Purneah ...	Kissengunge...	......	......	......	......	0·35	......	0·11	2	0·47	3·27	15·99	12·82	3[illegible]·81	34·31
		Arrareah ...	......	......	......	......	0·2[illegible]	0·25	0·12	3	0·66	3·12	9·61	12·53	2[illegible]·83	29·90
		Purneah ..	......	......	0·28	......	0·14	0·40	0·60	4	1·42	2·70	6·40	10·91	21·47	20·27
		Gondwara ...					0·50	......	......	1	0·50	?	5·87	?	17·23	?
		Balarampore	......	......	......	......	0·20					?		?		?
		Matiari ...	......	......	......	2·03	0·68	0·20	......	3	3·16	?	13·13	?	20·75	?
		Kaliaganj ...	......	......	......	......	0·60	0·07	0·05	1	0·72	2·71	7·85	9·23	18·88	21·62
	North Bhagulpore.	Maddapore ...	......	......	......	......	......	......	......	Nil	Nil	2·51	2·93	8·22	15·84	20·81
		Supool ..	......	......	......	......	......	......	......	Nil	Nil	?	10·16	?	25·64	?
		Protabganj...	......	......	......	......	......	......	......							
	Durbhunga ...	Tajpore ...	......	......	......	......	0·07	......	0·77	1	0·84	2·51	12·62	9·04	27·64	19·32
		Durbhunga ..	0·02	......	......	......	......	......	0·34	1	0·36	2·12	4·78	9·05	16·05	19·54
		Madhubani ...	......	......	......	0·07	0·15	......	0·16	2	0·38	1·96	5·90	7·76	17·22	19·18
		Bahera ...	......	......	......	......	......	......	0·96	1	0·96	?	9·47	?	19·00	?
		Roshera ...	......	......	......	......	0·40	......	0·10	2	0·50	?	3·31	?	8·37	?
	Mozufferpore	Sitamarhi ...	0·20	......	......	......	......	......	......	1	0·20	2·43	10·33	8·32	32·00	19·25
		Mozufferpore	......	......	......	......	0·05	......	0·18	1	0·20	2·39	5·55	8·88	17·22	19·35
		Hajipore ...	......	......	......	......	......	0·04	0·31	1	0·34	2·65	5·78	9·23	18·11	18·49
		Paru ...	0·47	......	......	......	......	......	......	1	0·47	?	9·29	?	?	?
		Mahua ...	......	3·03	......	0·27	0·10	0·19	0·04	4	3·63	?	11·41	?	19·06	?
		Sishar ...	......	......	......	......	......	......	......	Nil	Nil	?	8·11	?	15·41	?
		Pupri ...	......	......	......	......	......	......	......	Nil	Nil	?	13·79	?	22·67	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 25th of July 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 19th July.	Monday, 20th July.	Tuesday, 21st July.	Wednesday, 22nd July.	Thursday, 23rd July.	Friday, 24th July.	Saturday, 25th July.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR —*concluded.*	Chumparun ...	Motihari ...	......	......	......	......	0·37	......	......	1	0·37	2·11	7·28	8·23	21·68	18·67
		Bettiah ...	......	......	......	......	0·15	......	0·02	1	0·17	2·78	8·25	10·43	19·62	21·47
		Bagaha ...	......	......	......	......	0·10	0·05	0·33	2	0·48	?	2·77	?	37·13	?
		Burhurwa ...	......	......	......	......	0·11	......	0·35	2	0·46	?	6·33	?	19·72	?
	Sarun ...	Gopalgunge ...	......	......	......	......	0·10	......	0·08	1	0·18	3·12	8·13	9·83	21·96	18·97
		Sewan ...	......	......	......	......	......	0·09	......	Nil	0·09	3·16	2·27	9·34	17·07	18·74
		Chuprah ...	......	......	......	......	......	......	0·63	1	0·63	3·24	5·73	9·67	11·52	17·69
SOUTH BEHAR	Shahabad	Buxar ...	......	......	......	......	......	0·09	......	Nil	0·09	3·12	2·09	8·79	4·60	15·19
		Dehree ...	......	......	......	......	......	0·01	0·23	1	0·24	2·69	3·54	9·00	8·40	15·96
		Bhaboosah ...	......	......	......	......	......	......	0·10	1	0·10	2·95	5·16	10·17	6·65	16·69
		Sasseram ...	......	......	......	......	......	......	0·05	Nil	0·05	3·44	1·67	9·39	6·44	15·74
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	3·16	3·07	8·70	11·68	17·05
		Mohaniah ..										?		?		?
	Gya ..	Aurungabad...	0·09	......	......	......	......	......	......	Nil	0·09	2·67	5·54	9·01	10·65	17·31
		Gya ...	0·36	......	......	......	0·03	......	0·24	2	0·63	4·13	7·20	10·18	13·84	18·60
		Nowadah ...	0·24	......	......	......	......	1·46	0·17	3	1·87	2·85	9·51	8·12	19·26	16·63
		Jehanabad ...	......	......	......	......	......	1·02	0·48	2	1·50	2·34	11·48	8·83	17·16	16·41
		Arwal .	......	......	......	......	......	0·40	......	1	1·40	?	6·25	?	9·93	?
		Daudnagar	......	......	......	......	......	......	0·40	1	0·40	?	2·75	?	5·45	?
		Sherrghatti .	1·10	......	......	......	......	......	0·10	2	1·20	?	3·60	?	8·68	?
		Rajauli ..	0·11	......	......	......	......	0·75	0·48	3	1·34	?	10·25	?	21·85	?
		Pakri Barawan	......	......	......	......	......	0·17	......	1	0·17	?	7·89	?	14·20	?
	Patna ...	Patna ...	......	......	......	......	......	......	0·27	1	0·27	3·13	5·35	8·89	17·89	18·64
		Dinapore	......	......	......	......	......	......	0·31	1	0·31	3·50	4·24	9·06	20·53	17·99
		Behar ...	......	......	......	......	......	......	0·16	1	0·16	3·32	14·76	9·19	23·17	18·59
		Barrh ...	......	......	......	......	......	......	0·30	1	0·30	2·81	10·35	8·09	24·13	17·04
		Bickram ...	......	......	......	......	......	......	0·14	1	0·14	?	5·37	?	15·74	?
		Hilsa ..	......	......	......	......	......	0·40	......	1	0·40	?	6·70	?	22·21	?
	Monghyr ...	Begoosarai ...	......	......	......	......	0·09	0·47	0·25	2	0·81	2·17	8·08	7·43	16·50	16·74
		Monghyr	......	......	......	......	1·68	0·46	0·71	3	2·85	2·80	6·74	8·30	18·49	18·13
		Jamui ..	......	......	......	......	......	0·41	0·55	2	0·96	3·57	9·00	9·68	18·27	18·63
		Gogri ..	......	......	......	......	0·46	......	0·07	2	1·43	?	5·23	?	22·77	?
		Sheikpura ..	......	......	......	......	......	......	......	Nil	Nil	?	7·79	?	19·24	?
	South Bhagulpore	Bhagulpore ..	......	......	......	......	0·37	0·13	4·64	3	5·14	2·58	16·07	8·23	27·11	18·48
		Banka .	......	0·09	......	......	......	0·06	0·96	1	1·11	2·20	7·12	7·95	19·31	18·35
		Kolgong ...	......	0·12	......	......	0·18	0·15	1·15	4	1·60	?	8·96	?	19·15	?
		Bangaon ..										?		?		?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	0·47	0·08	1·35	2	1·90	2·42	9·65	9·60	22·76	24·15
		Godda ...	......	......	......	......	......	0·15	2·55	2	2·70	1·94	10·79	7·90	19·23	18·02
		Pakour	......	......	0·05	......	0·34	0·27	0·23	3	0·89	2·87	4·03	9·87	17·87	24·87
		Nya Doomka	0·09	0·01	0·39	......	0·16	0·35	0·10	4	1·10	2·74	7·11	11·35	18·30	23·50
		Deoghur	......	......	0·18	......	0·04	......	0·30	2	0·52	3·12	7·82	9·52	15·13	21·39
		Jamtara ...	......	......	......	......	0·21	0·97	0·52	3	1·70	3·50	11·63	10·38	20·42	21·65
		Mohagama ..										?		?		?
		Nanihat ..	......	......	......	......	......	0·24	0·15	2	0·39	?	—	?	—	?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba (*Giridi*).	0·11	......	......	......	......	0·57	0·72	3	1·40	3·00	11·36	9·76	22·34	20·33
		Hazaribagh ..	0·16	0·19	......	......	......	0·59	0·74	4	1·68	2·78	8·91	9·18	17·20	19·69
		Semtagurah	0·14	......	......	......	0·25	0·90	......	3	1·29	3·29	6·99	9·60	13·64	20·61
		Mahudi Hills										3·51		10·05		20·30
		Jhoomra Hills										4·83		13·23		27·33
		Barhi ...	0·35	......	......	......	0·55	......	0·53	3	1·43	?	10·20	?	18·79	?
		Chatra ..	......	......	......	......	......	0·34	0·80	2	1·14	?	7·80	?	10·64	?
		Karagdeha ...	......	0·20	......	......	......	0·26	0·35	3	0·79	?	10·36	?	21·56	?
		Ramghar ..										?		?		?
	Lohardugga ...	Lohardugga...	0·45	0·55	......	......	1·00					3·28		9·83		20·80
		Ranchi ...	0·30	0·65	0·12	......	......	0·68	0·07	5	2·72	3·52	6·92	10·54	13·60	23·50
		Palamow ..	1·53	0·05								2·20		9·20	16·70	17·13
		Silli ...	0·70	0·10	6·30	......	0·50	......	0·30	5	1·90	?	9·55	?		?
		Balumat ..	......	......	......	......	0·04					?		?		?
		Hosseinabad										?		?		?
		Garwah ..	0·38									?		?		?
	Singbhoom ..	Chyebassa ...	......	0·44	0·71	......	......	0·40	0·27	4	1·82	4·15	8·31	11·75	15·53	23·23
		Chakradharpore.										?		?		?
		Ghatsilla ...	1·45	0·47	0·30	......	......	......	1·30	4	3·52	?	6·92	?	19·74	?
		Baharagura	0·43	0·50	0·32							?		?		?
	Manbhoom ...	Purulia ...	0·17	0·19	0·03	......	......	0·21	1·20	4	1·80	2·48	13·17	9·48	25·67	20·82
		Gobindpore ..	......	0·13	......	......	0·06	0·25	1·60	3	2·04	2·74	11·50	9·39	17·81	19·01
		Raghunathpore.	......	......	0·20	......	0·13	0·31	0·50	4	1·14	?	10·28	?	20·14	?
		Burrabhoom	0·18	0·11	0·30	......	0·23	0·09	0·12	5	1·03	?	7·71	?	16·56	?
		Jhalda ...	......	0·80	......	......	......	......	2·35	2	3·15	?	13·73	?	21·40	?
		Chas ...	0·12	......	0·25	......	0·03	0·77	0·60	4	1·77	?	11·04	?	22·48	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 28*th July* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 25TH OF JULY 1891.

AT the close of the previous week ordinary monsoon weather prevailed in all districts, and light to moderate rain was general in all divisions except Orissa, where it was rather local. On the 19th, or the first day of the present week, pressure had fallen by moderate amounts over the whole province, the fall being largest in parts of South-West Bengal and in Orissa, and a feeble low-pressure area was formed over the north-west angle of the Bay with the lowest pressure at Saugor Island. Winds also showed a distinct tendency to circulate cyclonically round a centre near Saugor Island. Light rainfall only was reported on this day, and was confined almost entirely to Orissa, South-West Bengal, and Chutia Nagpur, the remainder of the province being almost rainless. On the 20th pressure had again fallen by small amounts, the fall being largest in South-West Bengal and Behar, and the area of lowest pressure had advanced to Balasore, while winds again showed a feeble cyclonic circulation round a centre between Balasore and Midnapore. Again the rainfall, which was only light to moderate in amount, was practically confined to the area affected by the slight depression, that is, to Orissa, South-West Bengal, and Chutia Nagpur, the remainder of the province being almost rainless. On the 21st pressure had risen moderately over the whole province, the increase being largest over the area previously occupied by the feeble depression in South-West Bengal, which with its attendant feeble cyclonic circulation of winds had practically disappeared on this day. Again on the 21st light showers only were reported in parts of South-West, East and North Bengal, and in Chutia Nagpur, while the remainder of the province was practically rainless. On the 22nd pressure had fallen at Calcutta, Saugor Island, and a few other stations, while over the province generally pressure was rising, and thus pressure was in defect of the normal over parts of South-West Bengal and Orissa by 0·03″ to 0·05,″ while over the greater part of the province it was in excess. The low-pressure area near the north-west angle of the Bay had therefore on this day again reproduced itself, and winds as before commenced to show a tendency to cyclonic circulation round this area, though the wind force was light. On the 22nd moderate rain was reported in Assam and at some of the stations in North Bengal, while light and local rain had fallen in South Bengal, but elsewhere it was almost rainless. On the 23rd pressure had risen by moderate amounts in all districts except part of the south-west of the province. Pressure therefore remained below the normal in South-West Bengal, particularly over the area represented by Balasore, Midnapore, Saugor Island, and False Point, and the low pressure over this area was a little more marked than on the previous day. The cyclonic wind circulation in connection with the low-pressure area continued, but winds were still light. Rainfall on this day was a little irregular, and it was general in Assam and in South-West, East and North Bengal, while a few scattered showers only fell in Orissa and Behar; Chutia Nagpur being almost rainless. On the 24th pressure had fallen by about one or two-hundredths of an inch, and the feeble low-pressure area in South-West Bengal and over the north-west angle of the Bay became, if anything, a little more marked than it had been. The feeble cyclonic circulation of winds continued, the centre of the circulation on the 24th being between Calcutta, Midnapore, and Saugor Island; but winds were still only light to moderate in force. General rain was reported from all districts except parts of Orissa and Behar, and conditions on the 24th appeared to be more favourable generally for rainfall. On the morning of the 25th very rapid meteorological changes had occurred. The feeble depression over South-West Bengal and part of the north-west angle of the Bay, accompanied by the distinct cyclonic circulation of winds which had existed for the whole of the week except on the 21st, developed suddenly and rather rapidly, and on the 25th a very definite and rather influential barometric depression had been produced, the centre of which was over the Sunderbuns to the east of Saugor Island. The fall of pressure at Saugor Island and Calcutta equalled about 0·13,″ and the very low pressure of 29·35″ was reported from Saugor Island, which was no less than 0·172″ below the normal. The cyclonic circulation of winds had become very complete, and the wind directions over the greater part of the province were included in this circulation, while wind velocities ran up very rapidly, and strong winds were reported on the morning of the 25th at many stations, while over the northern part of the Bay on this day very squally weather and very strong winds obtained. In consequence of the existence of this storm and of the bad weather in the Bay, the "Cautionary" storm signals were hoisted at the signal stations in the river and in the port of Calcutta. Rainfall on the 25th was reported generally over the whole province, and at some stations, particularly in Orissa, where most stations registered falls in excess of two and three inches, decidedly heavy falls were received. Conditions therefore were very decidedly disturbed at the end of the week, and with the inland advance of the small storm in a north-westerly direction, such as usually happens at this season of the year, conditions would become favourable for general and rather heavy rain over the province. For the week under review, however, the general conditions have only been of light monsoon character except perhaps in Orissa, where heavy rain fell at the end of the week.

Pressure—Has been low almost throughout the week over the south-western districts of the province, and at such stations as Saugor Island, Balasore, Midnapore, and False Point, the mean pressure has been in defect of the normal by about 0·06″ to 0·07.″

From this centre of comparatively low pressure, the defects gradually decrease in amount towards the north and east of the province, and at the northern stations the mean pressure has been almost normal, while at some in North Bengal even a slight excess has been registered. For the whole province of Bengal the defect has equalled about 0·02″ or 0·03.″ In Assam a mean defect of 0·013″ has been registered.

Temperature.—Owing to the comparative lightness of the rainfall, the mean temperature of the province of Bengal has been nearly a degree in excess of the normal. The largest excess temperatures have been registered in Chutia Nagpur and South Behar, where they equal from one and-a-half to two degrees; while, on the other hand, in Orissa temperature has been almost normal. In Assam a defect of 0·3″ has been registered.

Rainfall—Has been received on from three to four days in the week in Orissa, Chutia Nagpur, and South-West and East Bengal, and on about two days over the remainder of the province. On the whole, rainfall has been distinctly less frequent than it should have been in normal years by perhaps about one-fourth of the usual number of days. The falls have also in all districts except Orissa been lighter than usual, and the only district which has received a fall in excess of the normal amount has been Orissa. In this district the average rainfall for the week has equalled 4·05 inches, which is about 26 per cent. in excess of the normal. It will, however, be remembered that up to this time the defects in Orissa have been extremely large, and from the 15th of May up to the date of this report the rainfall in Orissa has been about 9 inches in defect of the normal, or the actual fall has been little more than three-fifths the usual amount. The average divisional falls in South-West, East and North Bengal, in South Behar, and in Chutia Nagpur, have been from one to about one and-a-half inches, representing defects of from one to two inches; so that the falls generally have been considerably less than half the normal amounts. The defect in North Behar, however, is still larger than this, for the average fall is only 0·45 inch, or about one-sixth of the usual amount. The rainfall of the week has been therefore on the whole very largely below the normal amount, though, on the other hand, the number of rainy days has been in moderate defect only; so that the defect is mainly due to the unusual lightness of the showers rather than to the absence of showers.

Taking up the case of the smaller districts, the following districts have received largely defective rainfalls:—Beerbhoom and West Burdwan, Moorshedabad, Chittagong, Chittagong Hill Tracts, Backergunge, Furreedpore, Dacca, Mymensingh, Bogra, Pubna, Dinagepore, Purneah, Mozufferpore, Durbhanga, Sarun, Chumparun, Shahabad, and Patna; while North Bhagulpore, as represented by such stations as Soopool, Protapgunge, and Muddapore, has been almost rainless.

In Assam during the week Silchar has received 3·03 inches, Sibsagar 1·82 inches, and Dhubri only 0·26 inch of rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 25th of July 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Averages for week. Of lowest of each day.	Averages for week. Of mean for each day.	Average mean of week above or below normal mean of week.	Of week. Average.	Of week. Normal average.	Of week. Variation.	Rainy days. Average number in week.	Rainy days. Normal average number in week.	Rainy days. Variation.	Since 1st of month. Average.	Since 1st of month. Normal average.	Since 16th May 1891. Average.	Since 16th May 1891. Normal average.
Orissa	92·4	75·7	87·1	78·9	83·0	+0·1	4·05	3·12	+0·93	4·00	3·43	+0·57	7·60	10·31	13·48	22·06
South-West Bengal ...	93·6	77·3	90·2	79·1	84·7	+0·6	1·64	2·88	−1·24	3·63	3·85	−0·22	7·98	9·50	21·19	23·94
East Bengal	92·2	66·8	87·9	78·5	83·2	+0·8	1·55	3·72	−2·17	3·36	4·46	−1·10	12·18	12·90	33·82	36·51
North Bengal	95·1	74·6	90·3	79·4	84·9	+0·5	1·32	2·82	−1·50	2·44	3·71	−1·27	14·15	11·23	31·76	34·78
North Behar	95·3	76·2	92·1	80·0	86·1	+0·8	0·45	2·67	−2·22	1·38	3·18	−1·80	7·90	9·59	20·69	21·43
South Behar	96·9	77·2	92·6	80·4	86·5	+1·9	1·05	2·92	−1·87	1·67	3·58	−1·91	7·50	9·04	16·64	18·50
Chutia Nagpur	87·7*	72·4*	86·0*	73·9*	80·0*	+1·4*	1·47	3·25	−1·78	3·36	4·60	−1·23	9·19	10·18	17·04	21·06
Assam	96·6	75·3	88·8	78·9	83·9	−0·3										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 28*th July* 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 19th to 25th July 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
July	19th	149·7	8·7	29·461	84·2	89·2	10 0	79·2	80·1	0·973	78·4	83	ESE and E ...	178	0·06	Partially cloudy, p, ⌓.
„	20th	152 0	6·7	·456	84·4	88 4	9 2	79·2	80·2	·978	78·6	83	ESE, S and SSW ...	138	Nil	Partially cloudy, o.
„	21st	152·5	8·5	·524	84·8	89 3	10·7	78 6	80 3	·976	78·5	82	S and SSE ...	92	0·02	Partially cloudy, o, d, ⌓.
„	22nd	154·3	4·9	·518	84·5	90 2	10 3	79 9	81·1	1·016	79 7	86	SSE, ESE and variable.	105	0·34	Chiefly cloudy, o, d, p, t.
„	23rd	142·5	1·6	·515	81·7	88·0	9 8	78·2	79 0	0·956	77·9	88	SE by E, E and variable.	85	1·64	Chiefly cloudy, o, g, d, p, t.
„	24th	144·0	1·6	·493	82·9	86·2	7·5	78·7	79·6	·968	78·2	86	SSE, ESE and variable.	96	0·71	Chiefly cloudy, o, g, d, p, t.
„	25th	145·5	0·9	·402	82·2	85·7	6·6	79·1	78 7	·935	77·2	85	ENE and ESE ...	242	Not measurable.	Chiefly cloudy. o, g, d.

	Inches.
The mean pressure of the seven days	29·481
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·518
	Hours.
The total number of hours of bright sunshine	32·9
The maximum possible number of hours of sunshine	92·9
	°
The mean temperature of the seven days	83·5
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·4
The extreme variation of temperature	12·0
The maximum temperature	90·2
	Miles.
The highest velocity of the wind in one hour	20
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	85
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches.
The total fall of rain from 19th to 25th July 1891	2·77
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·69
The total fall from 1st January to 25th July 1891	22·45
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	31·38

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; ⌓, dew.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 27th July 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 19th to 25th July 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature. Daily mean.	Maximum.	Range.	Minimum.	Hygrometry. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
July ...	19th ...	29·511	85·1	91·0	11·9	79·1	87·1	82·0	1·026	80·0	80	0·36
„ ...	20th ...	·467	84·7	90·5	11·7	78·8	87·6	81·5	·995	79·1	76	0·25
„ ...	21st ...	·513	85·9	93·0	14·2	78·8	88·1	81·5	·988	78·9	75	Nil
„ ...	22nd ...	·532	85·8	91·8	12·0	79·8	86·6	81·5	1·010	79·5	80	...
„ ...	23rd ...	·559	84·2	90·0	11·7	78·3	83·4	80·5	1·003	79·3	87	1·82
„ ...	24th ...	·521	82·9	87·0	8·2	78·8	85·8	81·5	1·020	79·8	83	0·90
„ ...	25th ...	·396	82·9	87·0	8·2	78·8	84·1	80·5	·994	79·1	85	0·24

	Value
The mean 10 A.M. pressure of the seven days	29·504 Inches.
The mean temperature of the seven days	84·5
The extreme variation of temperature	14·7
The maximum temperature	93·0
The mean 10 A.M. relative humidity of the seven days	81
The total fall of rain from 19th to 25th July 1891	3·37 Inches.

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 27th July 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 11th July 1891.

BIRTHS.

THE total births registered during the week ending with Saturday, the 11th July 1891, in twenty-seven principal towns of Bengal, amounted to 350, and correspond to an annual rate of 17· per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 1·3 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886–90.	1891.
Ratio of births per 1,000 of the population per annum	17·5	18·3	19·7	18·0	18·0	18·3	17·0

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending— 20th June 1891.	27th June 1891.	4th July 1891.	11th July 1891.	Towns.	Weeks ending— 20th June 1891.	27th June 1891.	4th July 1891.	11th July 1891.
Burdwan	22·9	24·4	25·0	22·9	Naraingunj	24·8	20·7	20·7	20·7
Midnapore	10·8	18·6	15·5	16·5	Chittagong	2·3	11·7	10·4	7·0
Hughli and Chinsurah	26·3	29·5	14·8	23·0	Comillah	11 6	11 6	19·3	7·7
Serampore	11·8	21·6	25·5	25 5	Patna City	11·0	12·3	7·5	12·9
Utterpara	18·9	28·3	18·9	28·3	Gya	10·1	23·9	10·1	22·5
Howrah	18·0	11·5	14·3	18·3	Arrah	35·9	27·5	15·6	14·4
Bali	10·5	14·0	17·5	14·0	Mozufferpore	32·8	28·0	20·7	15·8
Krishnagar	13·2	11·4	18·9	9·5	Durbhanga	15·7	23 8	23·0	22·0
Ranaghat	...	6·0	12·0	6·0	Chupra	14·1	22·1	15 1	10·1
Santipore	5·3	17·5	14·0	12·3	Bhagulpore	22·1	11·5	13·2	22·9
Jessore	6·1	...	6·1	12·2	Monghyr	23 5	35·3	20 8	28·9
Rampore Beauleah	18·4	15·8	15·8	7·9	Purneah	...	3·4	3·4	10·4
Darjiling	14·8	29·6	7·4	29·6	Poori	21·0	24·1	21·0	29·4
Dacca	16·2	13·0	6·5	8·4	Total ...	17·0	18·6	15·5	17·0

It will be seen that last week the highest birth-rate was returned from Darjiling (29·6) and the lowest from Ranaghat (6·).

DEATHS.

The total deaths registered during the week under review amounted to 556, and correspond to an annual rate of 27· per 1,000 of the population. The rate of the week is 3·5 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years except 1889, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886–90.	1891.
Ratio of deaths per 1,000 of the population per annum	23·2	23·7	20·9	28·3	21·2	23·5	27 0

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending— 20th June 1891.	27th June 1891.	4th July 1891.	11th July 1891.	Towns.	Weeks ending— 20th June 1891.	27th June 1891.	4th July 1891.	11th July 1891.
Burdwan	15·3	48·8	10·7	33·6	Naraingunj	24·8	4·1	8·3	20·0
Midnapore	18·6	9·3	18·6	18·6	Chittagong	21·1	14·1	18·8	18·8
Hughli and Chinsurah	24·6	45·9	23·0	21·8	Comillah	15·4	30·8	23·1	19·3
Serampore	27·5	41·2	25·5	27·5	Patna City	19·8	27 3	19·1	27·6
Utterpara	47·2	18·9	18·9	28·3	Gya	50·6	79·0	46·5	51·9
Howrah	23·5	18·3	15·5	9·7	Arrah	27·5	28·7	87·3	29 9
Bali	10·5	21·1	14·0	21·1	Mozufferpore	25·5	21·9	20·7	23·1
Krishnagar	9·5	17·0	5·7	13·2	Durbhanga	18·9	35·4	26·7	26·0
Ranaghat	18·0	12·0	6·0	...	Chupra	18·1	45·8	26·2	31·2
Santipore	...	1·7	3·5	...	Bhagulpore	25·9	40·4	43·4	41·9
Jessore	30·6	18·4	...	6·1	Monghyr	24·4	34·4	28·9	33·4
Rampore Beauleah	28·9	36·8	15·8	34·2	Purneah	13·9	6·9	6·9	13·9
Darjiling	7·4	96·3	44·5	140·8	Poori	27·3	33·6	14·7	35·7
Dacca	23·1	14·3	18·2	17·5	Total ...	28·1	31·4	25·0	27·0

According to the figures returned, the highest mortality occurred in the town of Darjiling (140·8) and the lowest in Jessore (6·1). No deaths were registered during the week in the Ranaghat and Santipore towns.

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per mille.	*Fevers.*	Ratio per mille.	*Dysentery and diarrhœa.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Bhagulpore	... 22·9	Darjiling ...	44·5	Darjiling ...	66·7	Poori ...	16·8
Chupra	... 19·1	Gya ...	23 2			Monghyr ...	15·3
Gya	... 15·7	Rampore Beauleah	21·0			Gya ...	10·2
Arrah	... 15·5					Durbhanga ...	10·2
Patna City	... 8 8						
Mozufferpore	... 4·9						
Durbhanga	... 4·7						
Howrah	... 3·4						

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 6·9 from cholera, against 7·6 in the preceding week; ·6 from small-pox, against ·5; 9·7 from fever, against 8·1; 2·6 from dysentery and diarrhœa, against 2·2; ·4 from injury, against the same ratio; and 6·7 from other causes, against 6·2 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows :—

According to Sex.	Ratio per mille.	*According to Class.*	Ratio per mille.	*According to Age.*	Ratio per mille.
Males	26·5	Christians ...	7·5	Under 1 year	... 215·1
Females	27·5	Hindus ...	29·6	1 and under 5 years	... 58·6
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	96	Muhomedans ...	20·7	5 " 10 "	... 19·1
				10 " 15 "	... 14·4
				15 " 20 "	... 21 0
				20 " 30 "	... 15·1
				30 " 40 "	... 11·2
				40 " 50 "	... 15·2
				50 " 60 "	... 22·6
				60 years and upwards	... 55·6

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

The 27th July 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 11th July 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of Population per annum.				Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	8	7	*15*	12·2	10·7	*22·9*	114	2	...	12	5	1	2	*22*	3·1	...	18·3	7·6	1·5	3·1	*33·6*	10·7	12	10	34·5	32·5	106
Midnapore ...	Midnapore ...	16,927	16,633	33,560	5	5	*10*	7·7	7·7	*15·5*	100	...	1	4	1	1	5	*12*	...	1·5	6·2	1·5	1·5	7·7	*18·6*	18·6	4	8	12·3	25·0	49
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	9	5	*14*	14·8	8·2	*23·0*	150	1	...	9	...	...	3	*13*	1·6	...	14·8	...	...	4·9	*21·3*	23·0	10	3	32·8	9·9	311
Serampore ...	Serampore ...	13,559	12,937	26,496	4	9	*13*	7·8	17·7	*25·5*	44	1	...	6	4	...	3	*14*	2·0	...	11·8	7·8	...	5·9	*27·5*	25·5	8	6	30·7	24·1	127
	Utterpara	3,046	2,464	5,510	...	3	*3*	...	28·3	*28·3*	No male birth.	...	...	1	...	1	1	*3*	...	...	9·4	...	9·4	9·4	*28·3*	18·9	3	...	51·2	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	17	15	*32*	9·7	8·6	*18·3*	113	6	...	5	2	...	4	*17*	3·4	...	2·9	1·1	...	2·3	*9·7*	15·5	8	9	7·8	12·4	62
	Bali	7,836	6,979	14,815	2	2	*4*	7·0	7·0	*14·0*	100	...	...	4	...	1	1	*6*	...	...	14·0	...	3·5	3·5	*21·1*	14·0	2	4	13·3	29·8	44
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	1	4	*5*	1·9	7·6	*9·5*	25	1	...	5	...	...	1	*7*	1·9	...	9·4	...	...	1·9	*13·2*	5·7	3	4	11·8	14·6	80
	Ranaghat	4,028	4,655	8,683	1	...	*1*	6·0	...	*6·0*	No female birth.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·0	...	...	...	...	......
	Santipore	13,708	15,979	29,687	4	3	*7*	7·0	5·3	*12·3*	133	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3·5	...	...	...	...	......
Jessore ...	Jessore	4,830	3,665	8,495	1	1	*2*	6·1	6·1	*12·2*	100	...	...	...	1	...	...	*1*	...	...	...	6·1	...	...	*6·1*	...	1	...	10·8	...	No female death.
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	2	1	*3*	5·3	2·6	*7·9*	200	1	...	8	...	...	4	*13*	2·6	...	21·0	...	...	10·5	*34·2*	15·8	5	8	24·2	46·1	52
Darjiling ...	Darjiling	4,579	2,439	7,018	2	2	*4*	14·8	14·8	*29·6*	100	...	1	6	9	1	2	*19*	...	7·4	44·5	66·7	7·4	14·8	*140·8*	44·5	14	5	159·0	106·6	149
Dacca ...	Dacca	42,762	37,379	80,161	4	9	*13*	2·6	5·8	*8·4*	44	3	...	13	1	...	10	*27*	1·9	...	8·4	·6	...	6·5	*17·5*	18·2	17	10	20·7	13·9	149
	Narainganj ...	7,605	4,956	12,561	4	1	*5*	16·6	4·1	*20·7*	400	...	...	4	1	...	2	*7*	...	...	16·6	4·1	...	8·3	*29·0*	8·3	7	...	47·9	...	No female death.
Chittagong ...	Chittagong ...	13,340	8,796	22,130	2	1	*3*	4·7	2·3	*7·0*	200	...	...	5	...	...	3	*8*	...	...	11·7	...	...	7·0	*18·8*	18·8	3	5	11·7	29·6	39
Tipperah ...	Comillah	8,153	5,353	13,506	1	1	*2*	3·8	3·8	*7·7*	100	...	...	4	...	...	1	*5*	...	...	15·4	...	...	3·8	*19·3*	23·1	4	1	25·5	9·7	263
Patna	Patna City ...	78,762	81,475	160,237	23	16	*39*	7·5	5·2	*12·7*	144	27	1	26	10	...	21	*85*	8·8	·3	8·4	3·2	...	6·8	*27·6*	19·1	41	44	27·1	28·1	96
Gya	Gya	38,290	37,831	76,121	14	19	*33*	9·5	13·0	*22·5*	73	23	2	34	1	1	15	*76*	15·7	1·4	2[illegible]·2	·7	·7	10·2	*51·9*	46·5	42	34	57·0	46·7	122
Shahabad ...	Arrah	20,960	22,505	43,465	7	5	*12*	8·4	6·0	*14·4*	140	13	1	6	...	2	3	*25*	15·5	1·2	7·2	...	2·4	3·6	*29·9*	57·3	11	14	27·3	32·3	84
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	9	4	*13*	10·9	4·9	*15·8*	225	4	3	7	3	...	2	*19*	4·9	3·6	8·5	3·6	...	2·4	*23·1*	20·7	8	11	18·0	20·1	62
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	15	13	*28*	11·8	10·2	*22·0*	115	6	3	7	4	...	13	*33*	4·7	2·4	5·5	3·1	...	10·2	*26·0*	26·7	16	17	24·6	27·3	90
Sarun	Chupra	25,116	26,554	51,670	4	6	*10*	4·0	6·0	*10·1*	66	19	1	5	...	...	6	*31*	19·1	1·0	5·0	...	...	6·0	*31·2*	26·2	14	17	29·0	33·3	87
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	17	13	*30*	13·0	9·9	*22·9*	130	30	...	12	2	...	11	*55*	22·9	...	9·1	1·5	...	8·4	*41·9*	43·4	26	29	38·7	45·3	85
Monghyr ...	Monghyr	28,154	29,366	57,520	15	17	*32*	13·6	15·3	*28·9*	88	3	...	11	6	...	17	*37*	2·7	...	9·9	5·4	...	15·3	*33·4*	28·9	11	26	20·3	46·0	44
Purneah ...	Purneah	8,463	6,553	15,016	2	1	*3*	6·9	3·5	*10·4*	200	...	...	3	1	...	...	*4*	...	...	10·4	3·5	...	...	*13·9*	6·9	3	1	18·4	7·9	233
Poori	Poori	13,247	11,537	24,784	10	4	*14*	21·0	8·4	*29·4*	250	2	...	4	3	...	8	*17*	4·2	...	8·4	6·3	...	16·5	*35·7*	14·7	10	7	39·3	31·6	124
	Total ...	536,262	516,097	1,072,359	183	167	*350*	8·9	8·1	*17·0*	109	142	13	201	54	8	133	*556*	6·9	·6	9·7	2·6	4	6·7	*27·0*	2[illegible]·0	283	273	2[illegible]·5	27·5	96

MORTALITY ACCORDING TO— Class (columns 13 and 14)

DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among— Christians.	Deaths among— Hindus.	Deaths among— Mahomedans.	Deaths among— Buddhists.	Deaths among— Other classes.	Ratio per 1,000 of population per annum. Christians.	Ratio per 1,000 Hindus.	Ratio per 1,000 Mahomedans.	Ratio per 1,000 Buddhists.	Ratio per 1,000 Other classes.
Burdwan ...	Burdwan	...	16	6	...	...	..	35·1	30·4	...	...
Midnapore ...	Midnapore ...	...	12	...	...	...	...	24·1	...	...	...
Hughli ...	Hughli and Chinsurah	...	11	2	...	...	...	22·6	16·9	...	...
Serampore ...	Serampore ...	...	11	3	...	...	...	22·7	166·3	...	...
	Utterpara	...	3	...	...	...	...	29·3	...	...	..
Howrah ...	Howrah	...	14	3	..	...	...	10·7	7·6	...	...
	Bali	...	5	1	...	...	...	19·4	39·7	...	...
Nuddea ...	Krishnagar ...	1	6	...	...	...	91·7	15·7	...	...	...
	Ranaghat	...	...	...	...	...	..	...	...	..	..
	Santipore	...	...	...	...	...	..	...	...	...	...
Jessore ...	Jessore	..	...	1	...	...	...	...	13·6	...	...
Rajshahye ...	Rampore Beauleah	...	7	6	...	...	...	36·7	31·8	...	...
Darjiling ...	Darjiling	...	16	3	...	...	...	181·1	251·9	...	...
Dacca	Dacca	...	19	8	...	...	...	24·5	10·6	...	...
	Narainganj ...	...	2	5	...	...	...	16·1	42·2	...	...
Chittagong ...	Chittagong ...	...	2	6	...	...	...	17·9	20·4	...	...
Tipperah ...	Comillah	...	...	5	...	...	...	...	35·2	...	...
Patna	Patna City ...	...	73	12	...	...	...	31·9	15·3	...	...
Gya	Gya	...	65	11	...	...	...	56·3	35·6	...	...
Shahabad ...	Arrah	...	23	2	...	...	...	38·6	8·4	...	...
Mozufferpore ...	Mozufferpore ...	...	11	8	...	...	...	19·0	33·3	...	...
Durbhanga ...	Durbhanga ...	...	28	7	...	...	...	27·9	20·7	...	...
Saran	Chupra	...	26	5	...	...	...	34·1	21·8	...	...
Bhagulpore ...	Bhagulpore ...	...	43	12	...	...	...	45·7	33·1	...	...
Monghyr ...	Monghyr	...	28	9	...	...	...	32·6	37·2	...	...
Purneah ...	Purneah	...	1	3	...	...	...	5·7	27·6	...	...
Poori ...	Poori	...	17	...	...	...	...	36·0	...	...	...
	TOTAL ...	1	437	118	...	...	7·5	29·6	20·7	...	...

MORTALITY ACCORDING TO— Age (column 15: Deaths)

DISTRICTS.	NAMES OF MUNICIPALITIES.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	8	...	...	2	1	3	1	4	...	3
Midnapore ...	Midnapore ...	2	2	...	...	1	...	2	2	1	2
Hughli ...	Hughli and Chinsurah	4	3	...	1	1	2	1	...	1	...
Serampore ...	Serampore ...	...	1	1	1	...	2	3	4	...	2
	Utterpara	2	...	...	...	...	...	...	...	1	...
Howrah ...	Howrah	3	2	2	...	1	1	2	1	2	3
	Bali	...	1	...	1	1	...	2	1	...	...
Nuddea ...	Krishnagar ...	...	1	...	...	...	1	...	...	2	3
	Ranaghat	...	...	...	...	...	...	...	...	...	...
	Santipore	...	...	...	...	...	...	...	...	...	...
Jessore ...	Jessore	...	...	...	...	...	...	...	...	...	1
Rajshahye ...	Rampore Beauleah	5	1	...	...	...	1	1	2	1	2
Darjiling ...	Darjiling	...	2	3	...	4	6	2	...	1	1
Dacca	Dacca	7	6	4	...	...	4	2	...	1	3
	Narainganj ...	2	2	...	1	...	...	...	..	1	1
Chittagong ...	Chittagong ...	...	5	...	...	...	1	1	...	...	1
Tipperah ...	Comillah	...	1	1	...	...	...	...	...	1	2
Patna	Patna City ...	12	19	8	3	4	11	7	5	8	8
Gya	Gya	10	20	4	3	4	6	5	4	5	15
Shahabad ...	Arrah	3	7	3	1	1	3	1	...	2	4
Mozufferpore ...	Mozufferpore ...	3	3	...	3	...	2	1	2	2	3
Durbhanga ...	Durbhanga ...	11	7	2	...	2	4	1	1	...	5
Saran	Chupra	5	7	3	4	4	3	2	...	2	1
Bhagulpore ...	Bhagulpore ...	13	10	8	5	3	6	1	2	1	6
Monghyr ...	Monghyr	11	5	2	2	5	4	...	3	...	5
Purneah ...	Purneah	1	...	...	...	1	1	...	1	...	...
Poori ...	Poori	4	1	1	...	...	1	3	5	2	...
	TOTAL ...	106	105	42	27	33	62	38	37	34	71

MORTALITY ACCORDING TO— Age (column 16: Ratio per 1,000 of population per annum)

DISTRICTS.	NAMES OF MUNICIPALITIES.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	630·3	...	...	41·3	16·6	19·7	7·5	47·1	...	105·3
Midnapore ...	Midnapore ...	140·0	44·2	...	...	16·5	...	15·8	27·0	25·2	56·5
Hughli ...	Hughli and Chinsurah	239·0	70·3	...	21·0	20·7	16·8	9·1	...	20·0	...
Serampore ...	Serampore ...	...	28·8	20·7	23·4	...	19·3	31·4	61·6	...	74·8
	Utterpara	646·0	...	...	...	...	...	...	...	141·3	...
Howrah ...	Howrah	75·6	15·8	16·5	...	7·1	2·3	5·4	4·4	18·9	41·6
	Bali	...	52·1	...	43·8	39·0	...	37·3	26·9	...	...
Nuddea ...	Krishnagar ...	...	21·1	...	...	...	10·8	...	...	49·4	90·3
	Ranaghat	...	...	...	...	...	...	...	...	...	...
	Santipore	...	...	...	...	...	...	...	...	...	...
Jessore ...	Jessore	...	...	...	...	...	...	...	...	...	113·5
Rajshahye ...	Rampore Beauleah	640·4	36·7	...	...	...	12·5	14·4	42·4	41·9	108·0
Darjiling ...	Darjiling	...	161·7	266·7	...	325·0	156·0	72·6	...	213·1	307·7
Dacca	Dacca	191·8	42·3	21·0	...	...	13·6	8·9	...	11·0	28·0
	Narainganj ...	372·8	91·2	...	45·8	...	...	...	...	66·5	79·8
Chittagong ...	Chittagong ...	...	132·2	...	...	...	11·2	15·6	...	...	65·3
Tipperah ...	Comillah	...	39·8	31·9	...	...	...	...	...	64·9	153·4
Patna	Patna City ...	144·8	67·7	24·7	10·8	18·6	19·9	15·7	13·8	29·4	30·1
Gya	Gya	200·5	163·7	29·7	23·3	39·7	21·2	20·4	21·3	39·6	151·5
Shahabad ...	Arrah	121·1	62·1	30·4	11·8	16·2	19·9	8·1	...	33·6	42·1
Mozufferpore ...	Mozufferpore ...	163·4	38·6	...	39·4	...	12·1	7·5	20·8	32·0	64·1
Durbhanga ...	Durbhanga ...	367·4	47·8	13·3	...	25·9	15·6	4·7	7·0	..	81·4
Saran	Chupra	184·3	70·5	26·2	41·5	59·9	16·9	13·4	...	25·2	15·3
Bhagulpore ...	Bhagulpore ...	471·1	80·1	58·9	35·8	31·5	23·9	4·7	13·6	10·3	72·5
Monghyr ...	Monghyr	385·2	41·8	14·7	18·1	68·8	20·1	...	24·5	...	72·5
Purneah ...	Purneah	183·7	...	...	...	52·3	15·3	...	28·0	...	...
Poori ...	Poori	686·5	28·9	23·2	...	...	9·8	38·5	78·2	46·6	...
	TOTAL ...	215·1	56·6	19·1	14·4	21·0	15·1	11·2	15·2	22·6	55·6

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 27th July 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 25th July 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 25th July 1891.			Week ending Saturday, the 26th July 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	416	92,560	1,631	364	62,525	926
Jute	34	17,275	301	9	3,775	64
Firewood	111	63,725	959	84	46,675	684
Other articles	788	1,89,800	2,724	775	2,09,365	2,728
Total ...	1,349	3,63,360	5,615	1,232	3,22,340	4,402

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of April 1891, *as compared with the same month of the previous year.*

STAPLES.	1891. Up.	1891. Down.	1890. Up.	1890. Down.	Total. 1891.	Total. 1890.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons	Tons.	Tons.	Tons.	Tons.
Coal	3,168	4,061	13,662	3,521	13,734	30,530	......	16,796
Cotton, raw	20	145	1	872	165	873	......	708
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	2,170	214	2,773	50	2,384	2,823	......	439
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	2,735	7,975	3,756	6,541	10,710	10,297	413	......
5.—Others	2,368	23,733	1,340	12,719	26,101	14,059	12,042	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	3	977	......	324	980	324	656	......
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	......	3,186	......	1,345	3,186	1,345	1,841	......
b.—Unscrewed	33	12,522	3	7,139	12,555	7,142	5,413	......
2.—Gunny-bags and cloth	666	1,600	295	1,270	2,266	1,565	701	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	985	191	1,282	110	1,176	1,392	......	216
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	1,489	10	424	2	1,499	426	1,073	......
3.—Others	311	53	415	35	364	450	......	86
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	269	8,961	100	4,192	9,230	4,292	4,938	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	98	1,490	121	975	1,588	1,096	490	......
3.—Others	964	546	732	679	1,510	1,411	99	......
Railway plant and rolling-stock	......	......	......	......	20,540	6,050	14,490	......
Salt	5,281	43	6,471	10	5,324	6,481	......	1,157
Sugar—								
1.—Drained	1,151	2,220	1,247	954	3,371	2,201	1,170	......
2.—Undrained								
Tea—								
1.—Foreign	24	273	1	97	297	98	199	......
2.—Indian								
Wood—								
1.—Timber	39	84	50	35	123	85	38	......
2.—Firewood	2,107	......	2,225	......	2,107	2,225	......	118
Tobacco	122	3,366	32	1,858	3,488	1,890	1,598	......
All other articles of merchandise—								
1.—Unmanufactured	6,429	3,449	4,725	3,888	9,878	8,613	1,265	......
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Sections) ..	1,246	......	407	1	1,246	408	838	......
Total ...	31,676	75,103	40,062	46,017	1,33,820	1,06,076	47,264	19,520

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of April 1891.

INCREASES.

	Tons.		Tons.
Jute, unscrewed	5,413	Oil-seeds	4,938
The increase was general among jute-despatching stations on the several sections.		Good crops and a favourable market.	
		Railway plant, &c.	14,490
		For repairs and renewals.	

DECREASES.

	Tons.
Coal	16,796
Ordinary fluctuations.	

G. M. DRURY,
Traffic Superintendent.

CALCUTTA, *the 23rd July* 1891.

NALHATI STATE RAILWAY.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of June 1891, *as compared with the same month of the previous year.*

STAPLES	1890.		1891.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1891.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	588	......	848	......	588	848	260	......
Cotton, raw	12	......	14	......	12	14	2	......
Cotton piece-goods—								
1.—European	32	......	23	......	32	23	......	9
Grains—								
2.—Rice	95	......	324	......	95	324	229	......
3.—Gram	......	......	3	1	......	4	4	......
4.—Others	45	......	123	4	45	127	82	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	......	3	......	5	3	5	2	......
b.—Undrained	......	......	......	1	......	1	1	......
2.—Skins of sheep, goats, and small animals—								
a.—Dressed	......	......	......	1	......	1	1	......
Jute—								
1.—Raw	......	177	......	195	177	195	18	......
2.—Gunny-bags and cloths	1	......	......	2	1	2	1	......
Lac—								
1.—Stick	1	......	......	......	1	......	......	1
Liquors—								
1.—Beer	2	......	1	......	2	1	......	1
2.—Wines	1	......	......	......	1	......	......	1
Metals—								
2.—Iron	25	......	1	......	25	1	......	24
4.—Others	9	4	2	1	13	3	......	10
Oils—								
1.—Castor	1	......	......	......	1	......	......	1
2.—Kerosine	2	......	......	......	2	......	......	2
3.—Others	10	......	......	......	10	......	......	10
Oilseeds—								
1.—Linseed	......	47	5	......	47	5	......	42
2.—Mustard and rape	47	......	103	87	47	190	143	......
Provisions—								
1.—Ghee	1	......	8	......	1	8	7	......
3.—Others	1	65	......	38	66	38	......	28
Paper and pasteboard	......	......	1	......	......	1	1	......
Railway plant and rolling-stock	52	37	1	4	89	5	......	84
Salt	116	......	81	......	116	81	......	35
Silk, raw—								
2.—Indian	3	17	1	14	20	15	......	5
Silk piece-goods—								
2.—Indian	......	1	......	2	1	2	1	......
Spices—								
2.—Others	......	......	2	......	......	2	2	......
Stone and lime	20	......	9	10	20	19	......	1
Sugar—								
1.—Drained	62	......	......	......	62	......	......	62
2.—Undrained	54	......	9	......	54	9	......	45
Tobacco	17	......	5	1	17	6	......	11
Timber	5	......	4	......	5	4	......	1
All other articles of merchandise	229	27	223	32	256	255	......	1
Total ...	1,431	378	1,851	338	1,809	2,189	754	374

INCREASE.

	Tons.
Coal	260
Due to greater import for laying in stock.	
Grains—	
(2) Rice	229
Import due to greater demand at Moorshedabad for crops being damaged by flood last year.	
(4) Others	82
Chiefly due to import of Bajra seed for local demand.	
Jute—	
(1) Raw	18
Due to fair demand at Calcutta.	
Oil-seeds—	
(2) Mustard and rape	143
Due to greater demand in the local market.	

DECREASE.

	Tons.
Metals—	
(2) Iron	24
Due to no despatches of East Indian Railway old rails by public to Azimgunj this year.	
Oil-seeds—	
(1) Linseed	42
Due to steamer service between Jiagunj and Calcutta.	
Provisions—	
(3) Others	28
Due to failure of mango fruit this year.	
Railway plant and rolling-stock	84
Due to less renewals carried on during this year.	
Salt	35
Carried by boat.	
Sugar—	
(1) Drained	62
Due to dull market, less imported.	
(2) Undrained	45
Due to dull market, less imported.	
Tobacco	11
Due to dull market, less imported.	

R. G. MOOKERJEE,

Manager, Nalhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the week ended 18th July 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	272,768	2,62,814 10 0	24,00,548 20	5,64,331 2 0	19,290 8 0	8,46,436 4 0	72,532½	106,623½	179,156
Or per mile of railway	......	172 4 6	.....	369 14 11	12 10 4	554 13 9	......	......	.....
For previous 2 weeks of half-year	425,921	4,21,264 1 0	40,26,839 10	10,05,997 6 0	28,451 6 0	14,55,712 13 0	114,273	172,077½	286,350½
Total for 3 weeks ...	698,689	6,84,078 11 0	64,27,387 30	15,70,328 8 0	47,741 14 0	23,02,149 1 0	186,805½	278,701	465,506½
Comparison.									
Total for corresponding week of previous year	227,869	2,43,448 1 6	19,40,526 10	4,20,741 13 11	17,393 7 4	6,81,583 6 9	64,456	78,566	143,022
Per mile of railway corresponding week of previous year ...	......	159 9 4	......	275 12 11	11 6 5	446 12 8	......	......	......
Total to corresponding date of previous year	631,428	6,45,989 7 6	51,02,187 0	11,71,312 13 7	46,538 5 3	18,63,840 10 4	175,510	221,925	397,435

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 18th July 1891, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,502	5,245 0 0	70,108 30	3,985 9 0	54 0 0	9,284 9 0	1,017	807	1,824
Or per mile of railway	184	91 11 2	1,225 30	69 10 10	0 15 1	162 5 1	.....	......	.....
For previous 2 weeks of half-year	18,172	7,935 6 0	1,06,637 10	6,156 5 0	85 0 0	14,176 11 0	1,557	1,179	2,736
Total for 3 weeks ...	28,674	13,180 6 0	1,76,746 0	10,141 14 0	139 0 0	23,461 4 0	2,574	1,986	4,560
Comparison.									
Total for corresponding week of previous year	11,420½	5,968 7 11	46,467 10	2,673 0 0	44 4 3	8,705 12 2	980	616	1,596
Per mile of railway corresponding week of previous year ..	200	104 11 1	812 20	46 11 8	0 12 5	153 3 2	......	......	......
Total to corresponding date of previous year	29,213	14,887 9 7	1,19,974 30	7,027 13 0	115 8 9	22,030 15 4	2,455	2,029	4,484

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 18th July 1891, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,919	5,140 9 0	4,074 20	109 12 0	13 6 0	5,263 5 0	987	69	1,056
Or per mile of railway	......	231 0 7	......	4 14 11	0 9 4	236 8 10	......	......	......
For previous 2 weeks of half-year	30,796	7,882 3 0	10,695 10	382 2 0	20 0 0	8,284 5 0	1,401	117	1,518
Total for 3 weeks ...	54,715	13,022 12 0	14,769 30	491 14 0	33 0 0	13,547 10 0	2,388	186	2,574
Comparison.									
Total for corresponding week of previous year	16,881½	3,897 2 6	3,793 20	135 11 0	10 12 6	4,043 10 0	925	43	968
Per mile of railway corresponding week of previous year ...	......	175 2 5	......	6 1 7	0 7 9	181 11 9	......	......	......
Total to corresponding date of previous year	54,204	12,984 3 4	12,430 0	438 13 0	15 0 0	13,438 0 4	2,484	134	2,618

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for the week ended 18th July 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,102	11,148 8 0	42,780 20	7,492 11 0	70 0 0	18,711 3 0	6,617½	1,453½	8,071
Or per mile of railway	......	68 13 1	......	46 4 0	0 6 11	115 8 0	......	......	......
For previous 2 weeks of half-year	28,201	17,793 12 0	64,668 30	11,288 9 3	110 0 0	29,192 5 3	10,767½	2,351	13,118½
Total for 3 weeks ...	44,303	28,942 4 0	107,449 10	18,781 4 3	180 0 0	47,903 8 3	17,385	3,804½	21,18[illegible]
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 18th July 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week... ...	147,890	60,740 0 0	4,38,740 0	86,190 0 0	12,630 0 0	1,59,560 0 0	25,200	25,648	50,848
Or per mile of railway	190	78 0 0	565 0	111 0 0	*3 0 0	192 0 0	......	......	......
For previous 2 weeks of half-year	275,767	1,17,070 0 0	7,38,557 0	1,26,480 0 0	18,840 0 0	2,62,390 0 0	41,400	43,600	85,000
Total for 3 weeks ...	423,657	1,77,810 0 0	11,77,297 0	2,12,670 0 0	31,470 0 0	4,21,950 0 0	66,600	69,248	1,35,848
Comparison.									
Total for corresponding week of previous year	184,927	56,833 0 0	5,76,099 0	1,03,424 0 0	16,582 0 0	1,76,830 0 0	25,034	28,570	53,604
Per mile of railway corresponding period of previous year ...	177	74 0 0	755 0	136 0 0	*6 0 0	210 0 0	......	......	......
Total to corresponding date of previous year	421,758	1,75,372 0 0	12,90,060 0	2,31,293 0 0	41,513 0 0	4,48,178 0 0	68,009	74,358	1,42,367

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 18th July 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,826	9,330 0 0	36,861 0	2,860 0 0	190 0 0	12,430 0 0	3,705	1,967	5,672
Or per mile of railway	101	75 0 0	295 0	23 0 0	1 0 0	99 0 0	......	......	......
For previous 2 weeks of half-year	47,382	16,140 0 0	50,278 0	3,680 0 0	70 0 0	19,890 0 0	6,080	3,120	9,200
Total for 3 weeks ...	71,208	25,520 0 0	87,139 0	6,540 0 0	260 0 0	32,320 0 0	9,785	5,087	14,872
Comparison.									
Total for corresponding week of previous year	25,437	8,513 0 0	47,049 0	2,302 0 0	151 0 0	10,966 0 0	3,713	1,967	5,680
Per mile of railway corresponding period of previous year ...	203	68 0 0	376 0	19 0 0	1 0 0	88 0 0	......	......	......
Total to corresponding date of previous year	82,111	25,481 0 0	1,08,000 0	5,903 0 0	403 0 0	31,790 0 0	10,127	5,298	15,425

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 18th July 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	14,538	4,250 0 0	7,521 0	590 0 0	90 0 0	4,930 0 0	2,414	690	3,104
Or per mile of railway	169	49 0 0	88 0	7 0 0	1 0 0	57 0 0	......	......	......
For previous 2 weeks of half-year	28,137	8,040 0 0	10,027 0	970 0 0	200 0 0	9,210 0 0	4,000	1,020	5,020
Total for 3 weeks ...	42,673	12,290 0 0	17,548 0	1,560 0 0	290 0 0	14,140 0 0	6,414	1,710	8,124
Comparison.									
Total for corresponding week of previous year	13,551	4,283 0 0	7,803 0	631 0 0	1,075 0 0	6,900 0 0	2,415	689	3,104
Per mile of railway corresponding period of previous year	158	50 0 0	92 0	7 0 0	23 0 0	80 0 0	......	......	......
Total to corresponding date of previous year	30,471	12,619 0 0	30,342 0	2,044 0 0	2,262 0 0	17,525 0 0	6,587	1,871	8,458

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 18th July 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,940	1,070 0 0	13,901 0	730 0 0	20 0 0	1,820 0 0	546	544	1,09
Or per mile of railway	108	39 0 0	510 0	27 0 0	1 0 0	67 0 0	......	......	......
For previous 2 weeks of half-year	5,329	1,980 0 0	19,678 0	1,070 0 0	30 0 0	3,080 0 0	820	870	1,690
Total for 3 weeks ...	8,269	3,050 0 0	33,579 0	1,800 0 0	50 0 0	4,900 0 0	1,366	1,414	2,780
Comparison.									
Total for corresponding week of previous year	2,837	1,000 0 0	15,819 0	878 0 0	12 0 0	1,950 0 0	546	598	1,144
Per mile of railway corresponding period of previous year ...	104	39 0 0	581 0	32 0 0	1 0 0	72 0 0	......	......	......
Total to corresponding date of previous year	9,328	3,474 0 0	41,245 0	2,444 0 0	74 0 0	5,992 0 0	1,483	1,623	3,106

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the first 11 days of July 1891, on 712 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 712 miles open	140,680	56,460	6,65,090	86,570	14,930	1,57,960	12,741	27,281	40,022
Or per mile of railway	197·56	79·30	934·12	121·58	20·97	221·85	......	......	......
For previous nil weeks of half-year	......	......	......	......	......	......	......	......	......
Total for 1½ weeks ...	140,680	56,460	6,65,090	86,570	14,930	1,57,960	12,741	27,281	40,022
Comparison.									
Total for corresponding week of previous year on 691 miles open	a123,275	44,681	a 4,70,440	52,386	11,346	1,08,413	18,422	22,177	40,599
Per mile of corresponding week of previous year...	178 40	64·66	680·81	75·81	16·42	156·89	......	......	......
Total to corresponding date of previous year	123,275	44,681	4,70,440	52,386	11,346	1,08,413	18,422	22,177	40,599

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	First 11 days of July 1891.	First 12 days of July 1890.	First 11 days of July 1891.	First 12 days of July 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	26,650 0 0	24,784 0 0	29,810 0 0	19,948 0 0
Goods	45,120 0 0	28,586 0 0	41,450 0 0	23 800 0 0
Other earnings	9,070 0 0	6,943 0 0	5,860 0 0	4,402 0 0
Total ...	80,840 0 0	60,263 0 0	77,120 0 0	48,150 0 0

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CONTENTS.

THE following report is published for general information.

H. H. RISLEY,

Offg. Secretary to the Government of Bengal.

REPORT ON THE WORKING OF THE FIRE BRIGADE IN THE TOWN AND SUBURBS OF CALCUTTA AND IN HOWRAH DURING THE YEAR 1890-91.

No. 4879, dated Calcutta, the 24th July 1891.

From—J. LAMBERT, ESQ., C.I.E., Commissioner of Police, Calcutta,

To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honour to submit, under section 30 of Act IV (B.C.) of 1883, the following report on the working of the Fire Brigade in the Town and Suburbs of Calcutta and in Howrah during the year 1890-91.

2. The Brigade was in attendance at 33 fires during the year, 8 in the Town, 18 in the Suburbs and 7 in Howrah, as compared with 36 fires in the preceding year, and the value of property destroyed was Rs. 73,434 against Rs. 4,59,800. The fires were less serious than in the previous year; and in the Town, the only fire which calls for special notice broke out on Strand Road on the 7th June 1890, when portion of a large two-storied brick-built godown containing tar, turpentine, &c., to the value of Rs. 40,000 was destroyed.

In the Suburbs the only fire of any consequence occurred in the compound of the Military Clothing Agency in Alipore, in which property of the value of Rs. 5,000 was burnt. In another small fire, which occurred in the Belliaghatta section on the 20th April 1890, three children were badly burnt, and succumbed to their injuries.

The fires in Howrah were confined to thatched and tiled huts, and call for no special remarks.

3. A memorandum of the fires, and also a statement of the receipts and expenditure of the Brigade, are enclosed. It will be seen that the sum of Rs. 657 has been expended in excess of the budget grant. This expenditure was incurred in the purchase of two new hose carts for Rs. 400, at Rs. 200 each, and in painting and making alterations to the hose cart according to new design of Messrs. Merryweather and Sons at a cost of Rs. 250-12, the balance, Rs. 6-4, is included in the item of Rs. 188, charged for the purchase, locally, of 100 feet of sample hose, which has been found to work better than rubber-lined hose.

4. During the year under review seven persons were prosecuted in the Suburbs of Calcutta under the Indian Explosives Act, IV of 1884, for the manufacture, possession, and sale of fireworks, and they were all convicted. There were no prosecutions in the Town of Calcutta.

5. No licenses for the sale of fireworks was withdrawn during the year.

Memorandum of fires in the Town and Suburbs of Calcutta and in Howrah from 1st April 1890 *to* 31*st March* 1891.

Number.	Date.	Locality with section letter.	Duration of fire.	Approximate value of property destroyed.	Remarks showing nature of damage done, &c.
			Town.	Rs.	
1	3rd May 1890 ..	Mondul Street, Section E, Town ...	2 hours and 10 minutes ...	50	A large quantity of waste paper in a brick godown in the compound of a two-storied house.
2	4th ,, ,, ...	River, 1st Division, Port Police ...	1 hour and 45 minutes ...	1,714	Three country boats laden with straw.
3	5th ,, ,, ..	Bag Bazar Ghât, 1st Division, Port Police.	9 hours and 30 minutes ...	2,400	Four country boats laden with straw.
4	7th June ,, ..	Strand Road, Section G, Town ...	3 hours	40,000	Portion of a large two-storied brick-built godown stored with tar, turpentine, oil-paints and hardware.
5	17th October ,, ..	Chitpore Road, Section E, Town ...	1 hour	2,000	A kutcha-built two-storied stable.
6	21st November ,, ...	Mullick's Bazar, Section O, Town ..	2 hours and 40 minutes ...	6,000	Six tiled huts and some country produce.
7	4th February 1891 ..	Strand Road, Section G, Town ...	5 hours and 40 minutes ...	6,000	Two sheds with corrugated roof, 8 two-storied tiled huts, 1 brick-built godown, and a large quantity of rope, tar, rosin and hardware.
8	14th ,, ,, ..	Champatolla Lane, Section I, Town ...	1 hour and 15 minutes ...	200	A portion of a brick built bazar, containing straw, spices, moodie's stores and earthenware.
8	Total fires.			58,364	
			Suburbs.		
1	15th April 1890 ...	Moonsheegunge, Section M, Suburbs	8 hours	400	Four tiled huts and 4 stacks of straw.
2	20th ,, ,, ...	Hursey Street, Section E, Suburbs ...	1 hour and 50 minutes ...	200	One tiled hut; 3 children died from the effects of burning.
3	20th ,, ,, ...	Baranagore Bazar, Section A, Suburbs.	2 hours and 3 minutes ...	1,600	Two goolputta and 2 tiled houses, and 1 tiled godown, containing rice and grain.
4	5th May ,, ...	Ramcomol Mookerjee's Street, Section M, Suburbs.	2 hours and 10 minutes ...	200	Four tiled huts.
5	22nd ,, ,, ...	Kato apool, Section F, Suburbs ...	45 minutes	1,600	Ten shops inside a brick-built bazar.
6	2nd July ,, ...	Alipore, Section K, Suburbs ...	2 hours and 5 minutes ...	5,000	A brick-built shed in the compound of the Military Clothing Agency, containing a quantity of tar, pitch and clothing.
7	23rd ,, ,, ...	Cossipore Jheel, Section A, Suburbs ...	15 minutes	50	Two goolputta huts.
8	30th ,, ,, ..	Baranagore Bazar, Bengal Police ...	1 hour and 30 minutes ...	500	Two goolputta huts, and 1 tiled hut containing rice and gram.
9	4th October ,, ...	Tishigola, Section B, Suburbs ...	50 minutes	1,000	One goolputta and 1 tiled hut, containing rice, gram, &c.
10	1st November ,, ...	Canal Road, Section D, Suburbs ...	1 hour and 20 minutes ...	50	A stack of straw.
11	13th December ,, ...	Ghasiarapara, Section B, Suburbs ...	1 hour	50	Four goolputta huts.
12	28th ,, ,, ...	Talla, Section B, Suburbs, ...	5 hours	2,000	A brick-built godown containing 18,000 bales of jute, out of which about 1,800 bales were destroyed.
13	28th ,, ,, ...	Ditto, ditto	15 minutes	100	One long goolputta hut.
14	2nd January 1891 ...	Sowdagurputty, Section B, Suburbs ...	1 hour and 15 minutes ...	60	Two goolputta and one tiled huts.
15	1st February ,, ...	Gowreepara, Section E, Suburbs ...	1 hour and 30 minutes ...	50	Four goolputta huts.
16	11th ,, ,, ..	Mirzabagan, Section C, Suburbs ..	45 minutes	50	One tiled hut.
17	16th ,, ,, ...	Sealdah, Section E, Suburbs	2 hours and 45 minutes, ...	1,100	About 500 drums of jute stacked in the compound of the Sealdah Railway Station.
18	5th March ,, ...	Ultadunga, Road, Section D, Suburbs	1 hour and 30 minutes ...	100	A straw *gola*.
18	Total fires.			14,010	
			Howrah.		
1	9th November 1890 ..	Seebpur	45 minutes	10	A thatched hut.
2	15th ,, ,, ..	Seal's Lane, Ghoosery	6 hours	500	Four tiled huts, and a stack of 300 drums of jute.
3	11th December ,, ...	Bantra, Howrah	1 hour	100	Three large tiled huts.
4	7th February 1891 ..	Bantra	3 hours	300	Three tiled huts and a stack of straw.
5	18th ,, ,, ...	Howrah	1 hour and 30 minutes ...	25	Two tiled huts and a quantity of bags.
6	1st March ,, ...	Golabarry	30 minutes	100	A large tiled house.
7	14th ,, ,, ...	Howrah	50 minutes	25	A tiled shed, containing hay.
7	Total fires.			1,000	
33	Total number of fires at which the Brigade were in attendance.		GRAND TOTAL ...	73,434	

CALCUTTA, *the 24th July* 1891.

J. LAMBERT, *Commissioner of Police.*

Statement showing the actual receipts and disbursements of the Fire Brigade Fund for the year ending 31st March 1891.

RECEIPTS.	Budget estimate for 1890-91.	Actual receipts for 1890-91.	Increase.	Decrease.	REMARKS.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Balance on 31st March 1890	7,000 0 0	3,909 9 10	......	......	
Contribution of 80 per cent. from Town Corporation ...	21,120 0 0	22,460 0 0	1,340 0 0	......	
Ditto ditto from Cossipore and Chitpore Municipality	22,000 0 0	23,978 14 5	1,978 14 5	......	
Contribution of 80 per cent. from Manicktolla Municipality	468 0 0	473 9 6	5 9 6	......	
Contribution of 80 per cent. from Howrah Municipality	6,150 0 0	5,840 0 0	......	310 0 0	
Fines under the Jute Warehouse Act	100 0 0	5 0 0	......	95 0 0	
Fees for licenses for letting off fireworks in Town ...	......	......	......	......	
Ditto ditto ditto in Suburbs ...	......	30 0 0	30 0 0	......	
Hire of fire-engines	200 0 0	50 0 0	......	150 0 0	
Sale proceeds of canvas hose	..	375 0 0	375 0 0	......	
Fees under Petroleum Act	300 0 0	785 0 0	485 0 0	......	
Fines under ditto	100 0 0	187 0 0	87 0 0	......	
Rent of Telephone lines	.....	.....	......	......	
Total ...	50,438 0 0	54,184 7 11	4,301 7 11	555 0 0	

PAYMENTS.	Budget estimate for 1890-91.	Actual charges for 1890-91.	Increase.	Decrease.	REMARKS.
Establishment at Lall Bazar.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
1 Superintendent at Rs. 200	2,400 0 0	2,466 10 8	66 10 8	....	
1 Engineer ,, 160	2,040 0 0	2,040 0 0	......	......	
1 Driver ,, 130	1,560 0 0	1,560 0 0	......	. .	
1 Firemam ,, 10	120 0 0	120 0 0	.... .	.. ..	
3 Tindals ,, 10 each	360 0 0	360 0 0	......	... ..	
18 Khallasees ,, 7 ,, ...	1,512 0 0	1,180 11 0	.... .	331 5 0	
11 Syces ,, 7 ,, ...	924 0 0	924 0 0	......	.....	
Personal allowances to three tindals	72 0 0	72 0 0	......	... ..	
Total ...	8,988 0 0	8,723 5 8	66 10 8	331 5 0	
Contingencies.					
Feed and keep of horses including sheeing, veternary attendance, repairing harness, &c.	3,200 0 0	4,119 0 10	919 0 10	......	
Lighting engineers' and drivers' quarters and Fire Brigade stables	360 0 0	360 0 0	......	......	
Accoutrements for the European members of the Fire Brigade supplied every year	650 0 0	861 7 0	211 7 0	... ..	
Extra allowance of European members of the Brigade at Rs. 5 each for attendance at fires	1,500 0 0	1,500 0 0	. ...	......	
Rent	2,000 0 0	2,802 5 6	802 5 6	......	
Pension	1,267 0 0	1,461 14 5	194 14 5	......	
Gratuities to persons giving notice of fires	100 0 0	.. ...	.. ...	100 0 0	
Cost of new hose reel hand carts	... ..	650 12 0	650 12 0	......	The hose carts were required to replace old ones that became unserviceable during the year.
Cost of engine, fittings and accessories	......	......	......	......	
Less sale proceeds of engine	......	... ..	......	......	
Canvas hose	.....	188 0 0	188 0 0	......	One reel, containing 100 feet of Merryweather hose with couplings complete, purchased as a sample, and which is working better than the rubber lined hose.
Purchase of horse	1,200 0 0	1,246 0 0	46 0 0	... .	
Harness for do.	500 0 0	. ...	......	500 0 0	
Repairs of buildings	2,000 0 0	1,703 15 0	......	296 1 0	
Implements	1,000 0 0	96 4 0	.. ..	903 12 0	
Repairs of engines and brake-vans	1,500 0 0	2,720 7 0	1,220 7 0	...	
Maintenance of telegraph lines	4,087 0 0	2,944 8 0	. .	1,142 8 0	
Petty contingencies, including coal, wood, &c.	2,000 0 0	3,607 11 7	1,607 11 7	......	
Total ...	21,364 0 0	24,262 5 4	5,830 10 4	2,942 5 0	
Howrah Establishment.					
1 Superintendent at Rs. 20	240 0 0	246 10 8	6 10 8	. ....	
1 Engineer ,, 120	1,512 0 0	1,512 0 0	... ..	.....	
1 Tindal ,, 10	120 0 0	120 0 0	... ..	. ....	
1 Fireman ,, 10	120 0 0	120 0 0	......	... .	
3 Tindals ,, 8 each	288 0 0	288 0 0	......	..	
12 Khallasees ,, 7 ,, ...	1,008 0 0	1,001 7 2	......	6 8 10	
6 Ditto ,, 6 ,, ...	432 0 0	428 14 5	. ..	3 1 7	
1 Engine driver ,, 10	120 0 0	120 0 0	......	.....	
3 Syces ,, 7 each	252 0 0	252 0 0	... ..	......	
Total ...	4,092 0 0	4,089 0 3	6 10 8	9 10 5	
Contingencies.					
Feed and keep of horses including shoeing, veterinary attendance, repairs of harness, &c.	750 0 0	875 7 6	125 7 6	......	
Rewards to informers giving notice of fire	50 0 0	.....	......	50 0 0	
Repairs of engines and brake-vans	500 0 0	16 0 0	......	484 0 0	
Steam-engine hose and gear	200 0 0	......	... ..	200 0 0	
Purchase of horses	600 0 0	600 0 0	... ..	......	
Hose cart	... ..	.....	......	. ...	
Repairs and construction of buildings and look-out ...	300 0 0	104 0 0	......	196 0 0	
Contingencies, oil, soap, cotton, waste, &c.	500 0 0	461 0 9	......	38 15 3	
Total ...	2,900 0 0	2,056 8 3	125 7 6	968 15 3	
Bhowanipore.					
2 Tindals at Rs. 10 each	240 0 0	240 0 0	......	......	
12 Khallasees at Rs. 7 each	1,008 0 0	1,008 0 0	......	......	
Total ...	1,248 0 0	1,248 0 0	......	......	
Watgunge.					
2 Tindals at Rs. 10 each	240 0 0	240 0 0	......	......	
12 Khallasees at Rs. 7 each	1,008 0 0	1,008 0 0	......	......	
Total ...	1,248 0 0	1,248 0 0	......	......	

PAYMENT.	Budget estimate for 1890-91.	Actual charges for 1890-91.	Increase.	Decrease.	REMARKS.
Palmer's Bridge.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
2 Tindals at Rs. 10 each	240 0 0	240 0 0	......	......	
12 Khallasees at Rs. 7 each	1,008 0 0	1,008 0 0	......	......	
Total ...	1,248 0 0	1,248 0 0	......	......	
Chitpore.					
1 Engineer at Rs. 126	1,512 0 0	1,509 6 10	......	2 9 2	
1 Tindal and fireman at Rs. 10 each	240 0 0	240 0 0	......	......	
1 Driver at Rs. 15	180 0 0	180 0 0	......	......	
12 Khallasees at Rs. 7 each	1,008 0 0	1,008 0 0	......	......	
3 Syces at Rs. 7 each	252 0 0	252 0 0	......	......	
Total ...	3,192 0 0	3,189 6 10	......	2 9 2	
Contingencies.					
Feed and keep of horses	750 0 0	851 7 6	101 7 6	......	
Repairs of engine and hose cart	400 0 0	......	......	400 0 0	
Steam-engine hose and gear	1,000 0 0	......	......	1,000 0 0	
Purchase of horses	600 0 0	600 0 0	......	......	
Petty contingencies including coal, oil, &c.	500 0 0	638 12 0	138 12 0	......	
Repairs of buildings	......	......	......	......	
Total ...	3,250 0 0	2,090 3 6	240 3 6	1,400 0 0	
ravelling allowance for inspecting Petroleum depôt] ...	360 0 0	392 1 7	32 1 7	......	
	47,890 0 0	48,546 15 5	6,311 12 3	5,654 12 10	
By balance on 31st March 1891	9,548 0 0	9,637 2 4	......	......	
Amount in the hands of the Accountant-General, Bengal, in deposit account ... ... Rs. 9,137 A. 2 P. 4					
Advance recoverable.					
Amount advanced to Superintendent, Reserve Force, for feed and keep of horses unadjusted ... ... Rs. 500 A. 0 P. 0					
Rs. 9,637 A. 2 P. 4					
TOTAL ...	57,438 0 0	58,184 1 9	......	......	

J. LAMBERT, *Commissioner of Police.*

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 1st August, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
	BURDWAN DIVN.		
1	Burdwan August 1, '91	2·83	Weather—hot and seasonable. Transplantation of *aman* paddy going on *Aus*, jute, and sugarcane doing well. Prices of common rice:— Srs. Burdwan ... ... 16 } Culna ... ... 15 } per rupee. Cutwa ... ... 15½ } Raneegunge ... . 15½ }
	Culna ...	3·97	
	Cutwa ...	4·67	
	Raneegunge ...	3·96	
2	Bankoora „ 1. '91	1·52	Weather - cloudy with occasional light showers. Sowing and transplantation of *aman* rice proceeding fairly in low lands, but retarded in up lands. More rain wanted. Common rice selling at 17½ seers per rupee at Bishenpur and 16¼ seers at Sudder.
	Bishenpur ...	2·74	
3	Birbhum „ 1. '91	3·52	Weather—now very favourable with very good rain. Prospects are now very bright and good. Transplanting actively going on, and though it is rather backward, the young rice is looking very healthy. Price of rice remains at from 16 to 20 seers per rupee.
	Rampore Haut ..	4·14	
4	Midnapur „ 1, '91	1·42	Weather—rainy generally. Transplanting of *aman* paddy proceeding briskly. Indigo is being cut. Sugarcane doing well. Prices of common rice:— Srs. Sudder ... ... 17 } Contai ... ... 17 } per rupee. Tamluk ... ... 16 } Ghatal ... ... 16 }
5	Hooghly „ 1. '91	4·79	Weather—variable and seasonable. Rain has done much good. Transplantation in progress. Prospects good. Prices of common rice:— Srs. Sudder ... ... 14 } Serampore ... ... 14 } per rupee. Jehanabad ... ... 17 }
	Serampore ...	2·33	
	Jehanabad ...	1·04	
6	Howrah „ 1. '91	1·18	Weather—showery. Paddy, jute, and sugarcane doing well. Transplanting of *aman* seedlings still going on. Price of common rice 14 to 14½ seers per rupee.
	Uluberia ...	2·04	
	Central Districts.		
	PRESIDENCY DIVN.		
7	24-Perghs. August 4, '91	2·00	Weather—cloudy with occasional falls of rain throughout the week. State and prospects of crops continue fair. Sugarcane looking well. Rain wanted all over the district for transplantation of *aman* paddy. Prices remain unchanged.
8	Nuddea „ 1, '91	3·47	Weather—seasonable. The rain during the week has done much good to the *aus* crop. Transplantation of *aman* going on. Prospects of other crops good.
	Kushtea ...	2·53	
	Meherpur ...	3·48	
	Chuadanga ...	3·58	
	Ranaghat ...	3·35	
9	Khoolna „ 1. '91	3·41	Weather—cloudy with heavy showers in the beginning of the week; bright and hot during the last two days. Good rain has fallen in many parts of the district, and cultivation is progressing. The river-water in the southern parts of the district continues, however, to be salt yet, and where this is so transplantation is backward. Prospects of jute, *aus*, and sugarcane continue fair.
	Bagirhat ...	8·21	
	Satkhira ...	5·1	
10	Jessore „ 1, 91	4·25	Weather - cloudy and showery. Prospects of *aman* crop favourable. Indigo manufacture and *aus* paddy harvest progressing.
	Jhenidah ..	2·25	
	Magura ...	2·61	
	Narail ...	6·43	
	Bongong ..	2·90	
11	Murshedabad „ 3, '91	5·21	Weather—hot and cloudy Harvesting of *Bhadoi* going on. Recent rain has done good to *aman* crop. Jute and sugarcane doing well. More rain wanted.
	RAJSHAHYE DIVN.		
12	Dinagepur „ 1. '91	2·23	Weather—very hot. *Haimanti* transplanting continues. Standing crops reported to be doing well. Price of rice 15 seers per rupee at Sudder and 16 seers at Thakurgaon.
	Thakurgaon ...	0·20	
13	Rajshahye „ 1, '91	9·73	Weather—very hot, but seasonable. The late rain has much benefited the crops. In some places a 16-anna *aus* crop is expected, 13 annas being the average.
	Nowgong ...	2·52	
14	Rungpur „ 1, '91	3·13	Weather—very close and hot with clouds. Prospects continue fair. *Aus* rice and jute being harvested. Rain has enabled *aman* rice to be transplanted.
	Nilphamari ...	2·89	
	Kurigram ...	3·80	
	Gaibanda ...	2·75	
15	Bogra „ 1, '91	2·70	Weather—sultry and occasionally cloudy. *Aman* rice is being transplanted, and about 6 annas of the land have been transplanted with it. State of jute and *aman* good. The growth of sugarcane is also good except that about 2 annas of it are reported to have been damaged by locusts. Locusts, however, did not appear this week. Reaping of *aus* in progress. Common rice is being sold at 16 seers per rupee.
	Sherpur ...	2·04	
	Nowkhilla ...	2·38	
16	Pubna „ 1, '91	1·16	Weather—hot and close. *Aus* is being harvested. It suffered for want of rain at the time of maturity. Jute is also being cut; the outturn is estimated at 9 annas, total area being 12 annas and outturn per acre 12 annas. The crop suffered at the time of sowing for excessive rain and later on for insufficient rainfall. *Aman* was sown to the extent of three annas more than the normal area, but the crop is deteriorating for insufficient rainfall and absence of flood. Price of rice (ordinary) varying from 13 seers 5¼ chittacks to 16 seers per rupee. Price of jute from Rs. 2-12 to Rs. 4-4 per maund. Fodder sufficient.
17	Darjeeling „ 1, '91	8·44	Weather—fair. *Bhadoi* is being cut in most places. *Haimanti* paddy is being transplanted.
18	Julpigoree „ 1, '91	0·70	Weather—extremely hot. Prospects of crops not good. Rain much wanted Price of rice rising.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts.		
DACCA DIVN.	19	Dacca August 1, '91	2·32	Weather—first part of the week cool and latter part excessively hot. Jute is being cut in low lands. *Aus* is also being harvested. *Aman* doing fairly well. Prospects of crops on the whole good. Cheapest rice sold at from 14 to 16 seers per rupee. Fodder available.
	20	Furreedpur „ 1, '91	2·76	Weather—seasonable. Prospects of crops good. More rain wanted. Rice selling at from 16 to 17 seers per rupee.
	21	Backergunge „ 1, '91	7·71	Weather—seasonable Prospects of crops fair. Common rice selling at from 12 to 17 seers per rupee.
		Bhola .	4·84	
		Perozepur ...	7·06	
		Patuakhali ...	7·20	
	22	Mymensingh „ 1, '91	1·40	Weather—extremely hot. About two-thirds of the *aman* seedlings have been transplanted. Harvesting of jute has commenced. Common rice sells at 13½ seers per rupee.
CHITTAGONG DIVN.	23	Chittagong „ 4, '91	2·32	Weather—seasonable. Transplantation of *aus* and sowing of *aman* continue. Prospects fair. Prices steady.
	24	Noakholly „ 1, '91	6·94	Weather—seasonable; very hot when there is no rain. Crop prospects continue generally good. Prices show a tendency to fall.
	25	Tipperah „ 1, '91	2·58	Weather—seasonable; very hot towards close of week. Prospects favourable. *Aus* promises a bumper crop. Cutting of jute proceeding briskly. Prices stationary.
	26	Chittagong Hill Tracts. July 30, '91	4·28	Weather—rainy with occasional sunshine throughout the week. Early *jum* paddy in flower. Lands are being ploughed for late rice. Common rice is being sold at 11 seers 6 chittacks per rupee.
BEHAR.				
PATNA DIVN.	27	Patna August 1, '91	1·88	Weather—hot and cloudy. Passing clouds with slight occasional showers. Prospects of *bhadoi* and paddy fair. More rain wanted. Transplantation of paddy in progress, though somewhat delayed in places for want of sufficient rain. Prices slightly rising.
		Barh ...	2·40	
		Behar ...	1·12	
		Dinapur ...	1·81	
	28	Gya „ 1, '91	0·20	Weather—hot, sultry and cloudy. Rain wanted for *bhadoi* and paddy crops. Prices of food-grains stationary.
		Nawada ...	3·59	
		Jahanabad ...	2·41	
		Aurungabad ...	0·10	
	29	Shahabad „ 1, '91	1·35	Weather—hot. East winds up to 30th July, light west winds since 31st. In Sudder crops doing well, but more rain wanted for transplanting paddy. In Sasseram the slight rain received has revived the withering *bhadoi* crops. In Buxar and Bhabuah rain very badly wanted. Prices rising. If good rain falls within the next ten days, a medium outturn of crops is possible.
		Bhabuah ...	Nil	
		Buxar ...	0·47	
		Sasseram ...	0·70	
	30	Durbhanga „ 1, '91	1·68	Weather—hot and close. Prospects of *bhadoi* good. Transplantation of paddy and *marua* going on, but more rain wanted. Indigo manufacture in progress. Prices remain almost stationary.
		Madhubani ...	2·23	
		Somastipur ...	3·10	
	31	Mozufferpur „		Report not received.
	32	Sarun „ 1, '91	1·50	Weather—hot. Moderate rain. Prospects of crops good. Heavy rain would be beneficial.
	33	Chumparun „ 1, '91	2·68	Weather—hot and cloudy with occasional showers. Paddy transplantation approaching completion. More rain wanted in places. *Bhadoi* crops doing well. Prices of food-grains stationary.
		Bettiah ...	1·43	
BHAGULPORE DIVN.	34	Monghyr „ 1, '91	6·20	Good rain during part of the week; westerly winds and weather now very hot. *Bhadoi* crops promise well. Prices falling in Beguserai.
		Beguserai ...	2·78	
		Jamui ..	2·49	
	35	Bhagulpur „ 1, '91	2·08	Rain fell in the south of the district on some days. There was little rain in the north. Latterly the weather has been hot. Prospects have improved in the south, but more rain is still wanted. In the north there has been only a little rain, and transplantation of paddy suffers. Prospects of *bhadoi* crops and *marua* are somewhat better, but these also require more rain. Price of common rice 15 seers 2 chittacks per rupee.
	36	Purneah „ 1, '91	2·57	Weather—rather more frequent hot sun and heavy showers. *Bhadoi* crops doing well. Rain badly wanted for transplantation of winter rice. Jute crop in Kishengunge will be short.
		Kishengunge ...	0·84	
		Arrareah ...	1·77	
	37	Maldah „ 1, '91	4·26	Weather—rainy at the beginning of the week; latterly hot and cloudy. Harvesting of *bhadoi* going on. Transplantation of winter rice in progress. Jute is being cut. Prospects good. Cutting and manufacturing of indigo going on. State of other standing crops good. No change in price of common rice.
		Chanchal ...	1·16	
		Shibgunge ...	7·20	
	38	Sonthal Perghs. „ 1, '91	4·17	General rain. Rice is being transplanted. Indian-corn promises well.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
ORISSA DIVN.	39	Cuttack August 1, '91	1·70	Weather—cloudy. *Beali* doing well. Weeding in progress. Transplanting of *sarad* interfered with in parts from deficient rainfall.
	40	Pooree July 30, '91 Khoorda ... Banpur ...	1·97 2·41 Nil	Weather—cloudy with occasional rain. *Sarad* crop on low lands growing well, but plants on high lands in Khoorda withering for want of rain. Some damage done to *sarad* crop by root-disease called "mooli." Price of common rice stationary.
	41	Balasore August, [illegible] '91	1·46	Weather—seasonable in the south, less so in the north of the district. Almost 14 annas of the winter rice crop have been sown in the Sudder subdivision and a somewhat larger proportion in Bhadrak. Rain wanted in the Sudder.
CHOTA NAGPORE				
South-West Frontier Agency.				
CHOTA NAGPORE DIVN.	42	Hazaribagh August 1, '91 Giridih ..	2·35 4·71	Weather—seasonable. Good rain general except in west. Prospects of crops very promising. Transplantation in progress. Prices stationary.
	43	Lohardugga „ 1, '91 Palamow (up to 27th July)	3·07 2·72	Weather—seasonable. Transplantation of low land paddy commenced. More rain wanted. Sugarcane doing well in Palamow.
	44	Singbhoom August 1, '91	1·81	Weather—seasonable. Paddy, *makai*, and other crops doing well. No want of rain.
	45	Manbhoom „ 1, '91 Govindpur ...	2·41 4·54	Weather—very favourable. Crops doing well. Transplanting still going on. Price of common rice from 16 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 4th August, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·607	29·556	—	SW	446	93·7	31st July & 1st Aug.	78·1	26th & 27th July	87·1	79·?	83·3	—	82·2
		Gopalpore	29·618	29·579	+·044	SSW	580	92·2	31st July	78·8	26 & 27 „	85·8	80·2	83·0	−0·2	81·7
		False Point	29·603	29·566	+·014	SWly	398	93·5	30th „	76·1	26th „	87·5	78·2	82·8	0	82·4
	Cuttack	Cuttack	29·513	29·565	+·021	SWly	128	93·9	30th „	75·8	26th „	88·4	78·5	83·5	−0·3	81·9
	Balasore	Balasore	29·540	29·546	+·006	SSW	168	94·4	1st Aug.	74·8	26th „	89·1	77·4	83·3	+0·9	81·1
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·573	29·542	+·0?8	SWly	513	90·7	1st „	76·5	27th „	87·4	79·9	83·7	+0·4	82·0
	Midnapore	Midnapore	29·450	29·545	+·001	S	206	92·3	30th July	75·1	28th „	88·4	77·9	83·2	−0·1	81·1
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·576	29·542	+·016	Wly	158	91·1	1st Aug.	76·?	?0th „	86·7	78·2	82·5	−0·6	81·0
	Burdwan	Burdwan	29·5?0	29·516	+·019	Variable	108	91·6	1st „	76·4	28th „	87·5	78·5	83·1	−1·4	80·4
	Bankoora	Bankoora	29·278	29·526	+·017	Variable	97	90·?	30th July & 1st Aug.	75·6	28th „	86·9	77·1	82·0	−1·1	80·1
	Beerbhoom, West Burdwan	Raneegunge	29·264	29·528	+·02?	NWly	158	96·5	30th July	74·9	30 & 31 „	87·9	76·6	82·3	−1·0	79·3
	Moorshedabad	Berhampore	29·524	29·530	+·008	Variable	185	91·7	1st Aug.	75·3	?8 & 30 „	87·5	78·2	82·8	−0·8	80·9
	Nuddea	Krishnaghur	29·541	29·530	+·013	Variable	157	92·3	1st „	76·2	?8th „	87·5	78·3	82·9	−0·2	82·2
	Jessore, Khoolna	Jessore	29·56?	29·548	+·004	Variable	90	92·2	1st „	75·9	30th „	86·3	77·7	82·0	−2·0	80·9
East Bengal.	Chittagong	Chittagong	29·571	29·601	+·002	SEly		91·2	1st „	74·1	27th „	84·6	76·4	80·5	−0·2	80·3
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·595	29·522	+·007	Sly	100	92·3	1st Aug.	74·9	29th „	85·2	77·4	81·3	0	81·2
	Noakhally	Noakholly	29·580	29·578	−·006	E	183	91·5	1st „	74·8	27th „	85·4	77·2	81·3	+0·3	81·0
	Furreedpore	Furreedpore	29·583	29·569	+·015	Variable	110	90·5	1st „	75·9	28th „	85·6	77·9	81·8	−0·0	81·3
	Dacca	Dacca	29·591	29·560	+·004	SEly	187	91·1	1st „	76·?	?8th „	87·1	79·4	83·3	−0·4	82·0
	Commillah	Commillah	29·004	29·580	+·013	SE	128	93·3	1st „	74·8	27th „	87·0	76·?	81·9	+0·1	80·4
	Mymensingh	Mymensingh	29·?69	29·5?7	+·009	Ely	145	91·7	1st „	75·6	28th „	87·4	78·1	82·8	−0·2	81·4
North Bengal.	Bogra	Bogra	29·585	29·548	+·?26	ESE	107	92·3	1st „	74·2	29th „	88·4	77·5	83·0	0	81·7
	Pubna	Serajgunge	29·5?2	29·558	+·0?8	E	89	91·6	1st „	74·7	29th „	87·0	77·7	82·3	−0·6	80·8
	Rajshahye	Rampore Beauleah	29·524	29·513	+·024	Variable	?34	90·8	1st „	74·?	30th „	86·7	77·8	82·2	−1·3	81·5
	Maldah	Maldah	29·508	29·53?	—	SE	93	9?·4	1st „	76·5	28 & 29 „	90·9	78·4	84·7	—	82·6
	Dinagepore	Dinagepore	29·483	29·553	−·007	E	123	93·6	1st „	77·2	27 to 29 „	90·0	79·6	81·8	+0·6	82·3
	Rungpore	Rungpore	29·510	29·585	+·020	E	41	93·8	27th July	76·2	28th „	90·5	78·4	84·5	+0·3	82·7
	Julpigoree, Cooch Behar	Julpigoree	29·232	29·567	+·032	E	118	93·4	27th „	75·1	28th „	89·8	77·0	83·4	+0·6	82·5
	Darjeeling Hill Tracts	Darjeeling	22·807		+·039	E & ENE	111	68·1	26, 31 „ & 1st Aug.	54·6	27th „	66·6	57·0	61·8	−0·7	62·3
North Behar.	Purneah, North Bhagulpore	Purneah	29·477	29·551	+·029	ESE & Calm	64	92·7	1st „	75·?	28th „	89·8	77·8	83·8	−0·7	82·8
	Mozufferpore	Mozufferpore	29·519	29·529		WNW	175	93·3	29th July	75·2	31st „	90·3	78·0	84·2	—	82·2
	Durbhunga	Durbhunga	29·138	29·556	+·023	ESE	161	93·4	27th „ & 1st Aug.	76·5	28th „	90·3	79·6	85·0	+0·5	83·5
	Chumparun	Motihari	29·359	29·538	+·018	ESE	2?3	93·2	27th July	75·?	30 & 31 „	90·2	78·0	84·1	−0·5	83·0
	Sarun	Chupra	29·38?	29·51?	+·013	Variable	132	93·8	30th „	77·1	28th „	91·6	77·5	84·6	+0·5	83·3
South Behar.	Shahabad	Dehree	29·191	29·491	+·020	Variable	173	95·3	1st Aug.	77·0	7th „	92·0	79·6	85·8	+3·5	83·8
		Buxar	29·?17	29·5?7	−·003	E	20?	95·4	30th July	77·2	28th „	93·0	78·9	86·0	+2·0	84·6
		Arrah	29·382	29·521	+·025	Variable	60	93·4	1st Aug.	77·1	29th „	91·9	79·3*	85·?*	+1·3	83·3
	Gya	Gya	29·198	29·522	0	S & W	30	93·9	1st „	76·8	27th „	91·5	79·4	85·5	+1·8	82·9
	Patna	Bankipore	29·394	29·527	0	Variable	1?8	92·4	1st „	76·7	29th „	89·6	78·9	84·3	−0·3	83·5
	South Bhagulpore, Monghyr	Bhagulpore	29·422	29·534	+·007	Calm	67	92·2	1st „	76·5	30th „	89·3	78·2	83·8	−0·1	82·1
	Sonthal Pergunnahs	Doomka	29·008	29·512	+·029	NWly	187	90·3	1st „	75·0	31st „	86·3	76·5	81·4	−1·2	79·6
Chutia Nagpur.	Hazaribagh	Hazaribagh	?7·5?4	29·534	+·003	Variable	284	86·7	30th July	71·3	27 & 28 „	82·6	73·2	77·9	−0·8	75·0
	Lohardugga, Manbhoom	Ranchee	27·473	29·524	+·0?2	Variable	209	86·0	1st Aug.	69·4	27th „	81·6	72·2	76·9	−0·9	75·5
	Singbhoom	Chyebassa	28·828	29·530	+·023	SW	43	91·9	1st „	74·7	27th „	87·6	76·3	82·0	−0·4	80·1
Assam.	Sibsagar	Sibsagar	29·335	29·620	+·012	NE		95·6	27th July	77·5	1st Aug.	92·9	79·0	86·0	+1·5	82·5
	Goalpara	Dhubri	29·518	29·586	+·025	NEly	145	89·2	27th „	76·8	28th July	87·1	78·7	82·9	−0·5	80·9
	Cachar	Silchar	29·549	29·603	+·001	Calm		97·1	1st Aug.	76·2	29th „	93·0	77·6	85·3	+1·5	80·9

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last

The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 1st of August 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District observations. Of week. Mean for district.	Of week. Normal mean.	Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
83	7·7	1·39		2·65		0·37			23·70			3·25	Pooree ...	Pooree	Orissa.
85	5·9	0·57											Gopalpore ...		
84	8·6	0·60											False Point ...		
76	7·0	1·53		2·47		0·21			25·17			3·43	Cuttack ...	Cuttack	
96	4·7	1·30		3·30		0·32			25·60			3·74	Balasore ...	Balasore	
88	9·6	2·60	3·26	3·71	0·08	0·54	—0·46	25·80	28·88	—3·08	4·33	4·03	Saugor Island ...	South-West Midnapore South 24 Pergunnahs	South-West Bengal.
87	4·6	1·22	1·62	3·66	Nil	0·42	—0·42	24·51	26·24	—1·73	2·67	3·65	Midnapore ...	Midnapore	
90	9·0	2·14	3·02	3·30	0·15	0·44	—0·29	20·21	26·35	—6·14	3·90	4·30	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
86	9·3	2·83	3·49	3·19	Nil	0·30	—0·30	26·53	23·18	+3·35	4·67	3·95	Burdwan ...	Burdwan	
91	8·0	1·51	2·70	3·99	Nil	0·23	—0·23	25·99	27·79	—1·80	4·00	4·17	Bankoora ...	Bankoora	
90	8·7	3·49	3·70	3·83	0·17	0·29	—0·12	24·47	26·72	—2·25	5·00	4·12	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
93	8·7	5·20	4·88	3·10	0·01	0·36	—0·35	27·16	24·62	+2·54	4·25	3·75	Berhampore ...	Moorshedabad ...	
87	8·4	3·47	2·88	2·00	0·01	0·33	—0·32	24·80	24·25	+0·55	4·20	3·65	Krishnagur ...	Nuddea	
93	9·0	4·25	4·07	3·27	Nil	0·38	—0·38	27·01	27·93	—0·92	5·13	4·26	Jessore ...	Jessore ... ... Khoolna	
90	9·0	6·89	11·78	7·08	0·13	0·65	—0·52	58·05	67·32	—9·27	4·00	5·09	Chittagong ...	Chittagong	East. Bengal.
			3·95	6·14	Nil	0·50	—0·50	45·88	45·09	+0·79	4·00	5·15	Demagiri ...	Chittagong Hill Tracts	
91	8·9	6·74	6·02	4·40	0·20	0·45	—0·25	34·42	42·56	—8·14	5·00	4·83	Barrisal ...	Backergunge	
90	3·9	7·00	5·36	6·29	0·72	0·85	—0·13	47·48	57·67	—10·19	5·00	5·35	Noakhally ...	Noakhally	
91	8·0	2·76	2·95	3·73	Nil	0·43	—0·43	25·24	29·78	—4·54	4·33	4·08	Furreedpore ...	Furreedpore	
91	7·0	2·47	2·28	4·21	Nil	0·39	—0·39	33·50	32·79	+0·71	3·25	4·35	Dacca ...	Dacca	
89	5·1	2·48	2·40	4·20	0·05	0·51	—0·46	36·74	36·07	+0·67	4·00	4·11	Commillah ...	Commillah	
80	7·1	1·52	2·97	3·46	Nil	0·30	—0·30	43·29	36·78	+0·51	3·40	3·03	Mymensingh ...	Mymensingh	
88	5·1	2·54	2·08	2·88	Nil	0·39	—0·39	25·55	30·76	—5·21	3·50	3·57	Bogra ...	Bogra	North Bengal.
91	6·7	2·01	1·53	3·00	Nil	0·31	—0·31	23·98	26·08	—2·10	3·00	3·60	Serajgunge ...	Pubna	
90	6·1	10·19	4·85	2·87	Nil	0·25	—0·25	28·25	27·50	+0·75	3·00	3·38	Rampore Beauleah	Rajshahye	
89	6·4	4·26	2·69	3·60	Nil	0·50	—0·50	22·97	28·19	—5·22	4·00	3·90	Maldah ...	Maldah	
87	6·9	1·93	1·89	2·63	0·01	0·42	—0·41	31·43	30·82	+0·61	3·20	3·56	Dinagepore ...	Dinagepore	
86	3·0	3·34	2·20	2·78	Nil	0·32	—0·32	42·29	42·45	—0·16	2·75	2·93	Rungpore ...	Rungpore	
89	1·0	0·94	1·17	3·95	0·02	0·74	—0·72	48·56	61·66	—13·10	3·00	3·67	Julpigoree ...	Julpigoree ... ... Cooch Behar	
94	7·3	8·44	5·94	6·13	Nil	1·25	—1·25	48·78	72·85	—24·07	4·25	5·17	Darjeeling ...	Darjeeling Hill Tracts	
86	6·0	2·57	1·89	2·81	Nil	0·40	—0·40	24·25	29·27	—5·02	3·60	3·38	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
86	6·7	3·21	2·91	2·19	Nil	0·17	—0·17	25·40	21·20	+4·20	3·67	3·17	Mozufferpore ...	Mozufferpore	
84	6·4	1·68	3·27	2·62	Nil	0·29	—0·20	23·87	21·98	+1·89	3·67	3·33	Durbhunga ...	Durbhunga	
82	5·7	2·68	2·05	2·27	Nil	0·51	—0·51	22·70	22·36	+0·34	3·50	2·51	Motihari	Chumparun	
88	5·6	1·50	1·71	2·36	Nil	0·32	—0·32	18·57	20·83	—2·26	3·00	3·18	Chupra ...	Sarun	
77	6·7	1·28											Dehree ...		South Behar.
79	6·0	0·71	1·33	3·19	0·46	0·33	+0·13	8·87	19·30	—10·43	3·400	3·88	Buxar ...	Shahabad	
85	3·4	1·35											Arrah ...		
83	5·7	0·20	1·19	3·67	0·16	0·26	—0·10	16·43	20·92	—4·49	2·25	3·62	Gya ...	Gya	
83	9·0	1·88	2·04	2·79	Nil	0·13	—0·13	23·48	20·88	+2·60	5·00	3·25	Bankipore ...	Patna	
88	8·3	2·08	3·97	3·39	Nil	0·26	—0·26	23·88	21·44	+2·44	4·80	3·61	Bhagulpore ...	South Bhagulpore ... Monghyr	
88	6·4	4·17	4·96	3·55	0·07	0·41	—0·34	24·94	25·53	—0·59	5·00	4·01	Doomka ...	Sonthal Pergunnahs ..	
90	9·4	2·27		3·60		0·39			25·34			4·60	Hazaribagh ...	Hazaribagh	Chota Nagpur.
88	8·4	3·07	2·68	4·33 3·93	Nil	0·52 0·39	—0·39	24·43	24·47 23·86	+0·57	4·00	5·00 4·40	Ranchi ...	Lohardugga ... ... Manbhoom	
84	8·6	1·53	1·51	4·05	0·25	0·42	—0·17	17·04	27·28	—10·24	4·00	4·40	Chyebassa ...	Singbhoom	
88	7·7	1·08											Sibsagar	Assam	Assam.
89	6·1	0·84											Dhubri		
89	9·3	3·83											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 1st of August 1891.

Meteorological division.	District.	Station.	Rainfall.							Total—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
			Sunday, 26th July.	Monday, 27th July.	Tuesday, 28th July.	Wednesday, 29th July.	Thursday, 30th July.	Friday, 31st July.	Saturday, 1st August.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
ORISSA ...	Pooree ...	Pooree ...	0·09	0·06	......	......	......	......	0·33	2	1·36	2·80	0·38	0·26	8·60	21·05
		Khurdah ...	0·40	0·12								2·58		0·43		25·93
		Banpur ...										2·66		0·53		20·71
		False Point ...	0·03	0·00	......	......	......	0·16	0·32	2	0·60	3·08	0·32	0·26	10·30	27·11
		Gop ...										?		?		?
		Satpara ...	0·38									?		?		?
		Pipli ..										?		?		?
	Cuttack	Jagatsingpore	0·17									2·36		0·13		20·69
		Banki ...	0·69	0·08	0·08							1·37		0·09		23·95
		Cuttack ...	1·70	......	......	......	......	......	......	1	1·70	2·90	Nil	0·40	17·34	20·19
		Kendrapara ...	0·72	0·06	......	......	......	0·06	0·02	1	0·86	3·01	0·02	0·34	14·41	24·80
		Jajpore ...	1·87	1·12	......	......	......	0·60	......	3	3·59	2·73	......	0·09	20·25	27·20
		Dharmsala ...	1·44									?		?		?
		Salipore .	1·36	0·15								?		?		?
	Balasore ...	*Akhoyapada* ..	1·57	0·90	......	0·17	......	1·18	0·62	5	4·44	?	0·03	?	18·43	?
		Chandbali ...	0·70	......	......	......	......	0·30	1·04	3	2·24	3·91	1·04	0·54	13·80	24·71
		Bhuddruck ...	2·81	0·57	......	......	......	0·23	......	3	3·61	3·25	Nil	0·11	20·14	25·12
		Sorah ...	1·20	0·20	......	......	......	1·10	......	3	2·50	2·93	Nil	0·38	16·96	23·52
		Balasore ..	0·69	0·49	0·07	......	0·02	0·19	......	3	1·46	3·45	Nil	0·34	18·50	27·08
		Jellasore ..										3·35		0·41		26·29
		Baripodah ...	......	0·47	......	......	0·29	1·05	0·15	4	1·96	2·96	0·15	0·13	20·66	26·79
SOUTH-WEST BENGAL.	Midnapore	Contai ...	3·71	0·12	0·17	......	......	0·25	......	4	4·25	3·96	Nil	0·53	18·42	28·42
		Saugor Island	0·86	0·04	0·51	......	0·41	0·84	0·03	4	2·69	3·84	0·03	0·68	30·82	30·23
		Tumlook ...	1·60	......	0·21	......	0·10	......	......	3	1·90	3·24	Nil	0·25	26·70	25·15
		Midnapore ...	1·00	0·24	0·07	......	......	0·11	......	3	1·42	3·07	Nil	0·37	18·69	25·09
		Ghatial ...	1·09	......	0·07	......	0·36	......	0·01	2	1·53	4·06	0·01	0·64	28·28	28·44
		Kukrahaty ...	1·00	0·05	......	......	......	0·39	......	2	1·44	?	Nil	?	15·66	?
		Garbetta ...	0·48	0·09	0·06	......	......	......	......	1	0·61	?	Nil	?	24·38	?
	24-Pergunnahs	Diamond Harbour ...	1·78	0·40	0·15	......	0·25	0·03	0·22	5	2·83	3·32	0·22	0·41	28·15	27·96
		Canning Town	0·46	0·30	0·05	......	1·07	0·07	0·06	3	2·01	?	0·06	?	18·80	?
		Alipore Jail ...	0·15	0·13	0·16	......	0·65	......	0·91	5	2·00	3·18	0·91	0·51	18·55	27·77
		Barrackpore...	......	0·81	0·48	0·05	3·35	......	......	3	4·69	3·31	Nil	0·41	20·48	26·61
		Dum-Dum ...	0·80	0·50	0·53	......	1·00	0·09	......	4	2·92	3·10	Nil	0·39	15·33	26·00
		Baraset ..	0·80	0·30	0·30	......	3·98	0·21	......	5	5·59	2·94	Nil	0·34	22·37	24·14
		Buseerhat ...	......	2·35	......	......	0·20	......	......	2	2·55	3·04	Nil	0·33	22·16	27·69
	Howrah ...	Howrah ...	0·46	0·10	0·22	......	0·33	0·06	0·01	4	1·18	3·36	0·01	0·34	17·54	26·03
		Mohesreka ... (*Ooloberiah*)	0·80	0·04	0·10	......	0·30	0·02	0·52	4	1·78	4·06	0·52	0·66	20·32	26·92
	Hooghly ..	Serampore ...	0·35	0·36	0·36	0·01	3·00	......	......	4	4·08	3·40	Nil	0·39	18·92	26·21
		Hooghly ...	0·51	1·37	0·59	0·15	2·17	......	......	5	4·79	3·08	Nil	0·58	21·58	25·50
		Jehanabad ..	0·11	0·24	0·11	......	0·08	......	0·06	3	0·60	4·09	0·06	0·42	24·06	26·59
	Burdwan ...	Culna ...	0·65	0·30	0·35	......	1·84	......	......	4	3·14	2·96	Nil	0·39	24·88	22·25
		Burdwan ...	1·17	0·22	0·21	0·02	0·45	0·75	0·01	5	2·83	3·31	0·01	0·30	27·66	23·32
		Cutwa ...	0·46	0·25	1·38	......	2·10	0·30	......	5	4·49	3·30	Nil	0·31	27·04	23·98
		Raneegunge ...	0·75	0·15	0·04	......	2·40	0·15	......	4	3·49	3·15	Nil	0·09	25·11	25·28
		Mankur ...	1·33	......	0·32	......	0·41	......	0·10	4	2·16	?	0·10	?	25·40	?
	Bankoora ...	Bankoora ...	0·39	0·27	0·05	......	0·71	0·10	......	4	1·52	3·83	Nil	0·16	23·93	26·14
		Bishenpore ...	0·42	0·46	1·07	......	0·31	......	......	4	2·26	4·26	Nil	0·20	27·45	27·24
		Maliara ...	0·82	0·39	......	0·08	1·09	0·10	......	4	3·88	4·13	Nil	0·21	30·93	28·37
		Khatra ...	2·90	0·42	......	0·13	0·25	......	......	4	3·70	3·75	Nil	0·26	21·66	29·39
		Indas ...	0·50	0·32	0·34	......	1·34	......	......	4	2·50	?	Nil	?	26·89	?
		Kotalpore ...	0·14	0·20	......	0·76	0·15	......	......	4	1·25	?	Nil	?	24·10	?
		Anda ..	......	......	0·40	......	......	......	......	1	0·40	?	Nil	?	9·74	?
		Gangajalghati	2·57	0·25	......	......	1·06	......	......	3	3·88	?	Nil	?	29·81	?
		Raipore ...	1·22	0·21	1·22	......	0·12	......	......	4	2·77	?	Nil	?	31·52	?
		Sonamukhi ..	1·47	0·22	0·14	......	1·63	......	......	4	3·46	?	Nil	?	28·01	?
	Beerbhoom	Bh. Soory ..	0·62	0·14	0·43	0·03	1·62	0·02	0·66	5	3·52	4·44	0·64	0·37	26·35	27·73
		Hetampore ...	0·19	0·51	0·13	0·01	1·09	0·15	0·03	5	5·01	4·03	0·03	0·24	24·34	20·34
		Rampore Haut	0·34	0·37	0·13	0·11	2·94	0·89	......	6	4·78	3·71	Nil	0·44	21·97	24·73
		Bolpore ..	......	1·37	0·25	......	1·22	......	0·42	4	3·26	?	0·42	?	24·31	?
		Murari ...	......	2·60	0·22	0·10	2·15	......	......	4	5·07	?	Nil	?	25·99	?
	Nuddea ...	Ranaghat .	1·10	0·25	0·34	0·02	1·22	......	......	4	2·93	2·76	Nil	0·35	21·53	24·02
		Kishnaghur ...	0·16	0·81	0·36	0·03	1·92	0·19	......	5	3·47	2·50	Nil	0·27	28·30	22·22
		Chooadanga ..	0·41	0·60	0·12	0·10	1·80	0·04	......	5	3·07	2·54	Nil	0·39	24·31	24·54
		Meherpore ...	0·60	0·45	0·30	......	1·40	......	0·04	4	2·79	2·47	0·04	0·28	27·60	23·54
		Kooshtea .	0·13	0·48	1·45	......	0·08	......	......	3	2·14	2·74	Nil	0·35	22·22	26·95
	Khoolna ..	Satkhira .	1·58	2·70	0·38	......	0·24	0·22	......	5	5·12	3·29	Nil	0·30	27·90	29·26
		Bagirhat .	0·15	2·45	3·08	0·40	1·22	0·12	......	6	7·81	4·26	Nil	0·51	33·63	33·88
		Khoolna ...	0·25	1·74	0·10	0·27	0·96	0·09	......	5	3·41	3·16	Nil	0·33	21·80	26·34
		Nakipur ...										?		?		?
		Rampal	0·40	2·20	1·07	0·70	......	......	......	4	4·37	?	Nil	?	19·91	?
	Jessore ...	Narail .	0·11	2·47	0·75	0·05	1·90	0·06	......	4	5·34	3·29	Nil	0·34	24·65	24·48
		Jessore ..	0·15	3·00	0·28	0·36	0·35	0·11	......	6	4·25	3·57	Nil	0·52	27·17	29·18
		Jhenidah ..	0·38	1·05	0·38	0·29	0·15	......	......	5	2·25	2·75	Nil	0·25	26·28	26·70
		Magoorah ..	0·30	0·50	0·45	0·12	0·34	......	......	5	1·71	3·02	Nil	0·57	29·58	26·83
		Bongong .	0·20	1·15	0·65	......	0·30	0·35	......	5	2·65	2·78	Nil	0·19	24·97	24·69
	Moorshedabad	Kandi ...	0·70	0·40	0·40	......	3·12	0·80	......	5	5·42	3·17	Nil	0·33	22·84	25·51
		Berhampore ...	0·13	0·37	1·56	0·01	2·94	0·20	......	5	5·21	3·25	Nil	0·40	24·51	24·38
		Lalbagh ...	0·12	0·63	2·35	0·03	1·35	......	0·04	4	4·52	2·33	0·04	0·20	27·78	22·39
		Azimgunge ...	0·06	0·50	1·90	0·07	0·46	......	......	3	2·99	3·19	Nil	0·59	23·29	24·72
		Jungipore ..	......	0·59	2·71	0·25	1·90	......	......	4	5·45	3·12	Nil	0·23	28·66	24·43
		Lalgola ..	......	0·40	4·05	0·20	1·05	......	......	4	5·70	3·52	Nil	0·39	31·74	26·29
		Akariganj ...	0·07	0·11	3·70	0·05	0·60	......	......	3	4·53	?	Nil	?	27·71	?
		Patkabari ..	0·20	0·50	......	0·80	0·10	......	......	4	1·60	?	Nil	?	27·25	?
EAST BENGAL	Chittagong	Cox's Bazar ...	0·80	7·32	3·85	3·70	......	......	......	4	15·67	8·66	Nil	0·69	64·44	80·12
		Chittagong ...	......	1·60	5·02	1·00	......	0·02	0·25	4	7·89	7·30	0·25	0·60	51·61	54·53
		Kutubdia ...	0·11	3·46	8·41							?		?		?
		Satkanya ...	......	1·83	5·20	0·50	0·83					?		?		?
	Chittagong Hill Tracts.	Rangamati ...	......	0·23	2·25	1·05	0·37	0·05	......	4	3·95	6·14	Nil	0·50	74·73	45·09
		Bundarban ...	......	1·03	2·07	1·55	0·41	0·09	0·20	5	5·35	?	0·20	?	77·03	?
	Backergunge	Patuakhally...	0·50	2·50	3·20	0·70	......	......	......	4	6·90	5·40	Nil	0·52	36·11	50·82
		Perozepore	0·30	2·42	1·28	2·25	0·43	0·07	......	5	6·75	4·43	Nil	0·47	30·56	37·08
		Burrisal .	1·35	1·89	0·89	2·09	1·45	0·04	......	5	7·71	4·25	Nil	0·43	31·46	37·58
		Bhola ...	0·33	1·10	1·57	0·75	0·56	......	0·80	6	5·11	3·51	0·80	0·40	33·55	40·23

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 1st of August 1891—contd.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 26th July.	Monday, 27th July.	Tuesday, 28th July.	Wednesday, 29th July.	Thursday, 30th July.	Friday, 31st July.	Saturday, 1st August.	TOTAL. Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL —concld.		*Gournaddi* ...	0·48	1·40	0·78	0·82	0·40					?		?		?
		Bauphal ...	1·10	3·00	1·83	0·91	0·31					?		?		?
	Noakholly ...	Noakholly ...	0·23	2·75	1·18	1·18	0·31	......	1·20	6	6·94	7·70	1·20	0·97	47·80	57·80
		Fenny ...	......	1·88	1·25	0·50	......	......	0·15	4	3·78	4·87	0·15	0·73	47·20	57·49
		Harishpore ...	2·25	3·60	1·60	1·65						?		?		?
		Ramganj ...	0·12	1·21	0·23	0·91	1·02	......	......	5	3·49	?	Nil	?	32·30	?
	Furreedpore	Madaripore ...	0·40	1·40	1·68	0·54	......	0·23	......	5	4·34	3·79	Nil	0·51	24·06	30·65
		Furreedpore ...	0·16	0·10	0·41	0·01	1·71	0·03	......	4	2·42	4·06	Nil	0·43	28·91	30·40
		Goalundo ...	0·10	0·30	0·20	......	1·40	......	......	4	2·08	3·34	Nil	0·35	22·43	28·20
	Dacca ...	Munshigunge	......	0·32	0·60	1·40	......	......	......	3	2·32	4·28	Nil	0·44	29·51	37·13
		Dacca ...	......	0·20	1·48	0·47	0·19	......	......	4	2·32	4·13	Nil	0·45	38·85	32·21
		Naraingunge	......	0·27	1·09	1·35	0·80	......	......	4	3·51	4·01	Nil	0·21	36·51	35·31
		Manickgunge	0·06	0·10	0·81	......	......	......	......	2	0·97	3·80	Nil	0·47	29·18	26·53
		Joydebpore ..	0·06	0·35	0·65	0·34	1·04	......	......	4	2·44	?	Nil	?	32·73	?
	Hill Tipperah	Agartola ...	0·30	......	......	0·40	0·10	0·30	0·20	5	1·30	4·00	0·20	0·30	43·50	31·08
	Tipperah ...	Comilla ...	......	0·76	1·05	0·60	0·17	......	......	4	2·58	5·03	Nil	0·60	39·09	42·95
		Chandpore ...	0·10	0·60	0·95	0·72	0·35	......	......	5	2·72	4·01	Nil	0·62	29·26	37·60
		Brahmunberia	......	......	1·40	1·60	......	......	......	2	3·00	3·14	Nil	0·51	39·66	31·98
		Ramchandrapore ...	......	0·28	0·63	1·70	......	......	......	3	2·59	?	Nil	?	37·80	?
		Nasirnagar ...				0·09						?		?		?
		Daudkandi ...	......	0·50	1·10							?		?		?
		Kasba ...										?		?		?
		Laksham ...	......	1·50	1·05	......	......	......	......	2	2·55	?	Nil	?	43·70	?
	Mymensingh...	Kishoregunge	......	0·02	0·73	1·05	2·19	......	......	3	3·99	3·71	Nil	0·28	56·09	37·69
		Atia (*Tangail*)	......	0·86	0·61	0·23	......	......	......	3	1·70	3·13	Nil	0·42	29·53	28·37
		Mymensingh	0·03	0·28	0·90	0·09	0·15	......	......	3	1·40	3·27	Nil	0·46	36·14	40·08
		Jamalpore ...	......	......	2·52	0·12	0·10	......	......	3	2·74	3·52	Nil	0·25	35·66	32·32
		Netrokona ...	0·81	0·15	1·61	1·01	1·43	......	......	5	5·01	3·66	Nil	0·40	58·17	45·43
		Subornakhally	......	0·42	0·39	0·45	......	......	......	3	1·26	?	Nil	?	22·86	?
		Durgapore ...	......	0·20	2·00	1·80	3·00	......	......	4	7·00	?	Nil	?	60·09	?
		Sherepore Town	......	0·29	1·46	11·02	0·24	......	......	4	13·01	?	Nil	?	43·77	?
		Dewanganj ...	......	0·82								?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	0·06	0·27	0·61	......	0·22	......	......	3	1·16	3·05	Nil	0·27	19·20	25·30
		Serajgunge ...	......	0·60	0·73	0·54	0·03	......	......	3	1·90	2·94	Nil	0·35	28·02	26·80
	Bogra ...	Sherepore ...	......	0·16	0·51	0·80	0·12	......	......	4	1·59	2·80	Nil	0·28	19·24	30·84
		Nowkhilla ...	......	0·41	0·52	1·13	......	......	......	3	2·06	3·20	Nil	0·71	29·27	29·28
		Bogra ...	......	1·02	0·27	1·15	0·10	......	......	4	2·54	2·86	Nil	0·28	26·27	33·37
		Panchbibi ..	......	0·60	0·80	......	0·72	......	......	3	2·12	2·58	Nil	0·28	27·44	29·51
	Rajshahye ...	Beauleah ...	0·28	0·14	3·95	0·05	5·29	0·02	......	4	9·73	3·09	Nil	0·42	30·23	25·63
		Nattore ...	0·03	0·25	2·00	0·20	0·03	......	......	3	3·11	2·76	Nil	0·19	32·56	26·70
		Naogaon ...	......	0·08	0·70	0·94	......	......	......	2	1·72	2·77	Nil	0·15	21·95	30·17
		Lalpore ...	1·10	1·40	......	......	......	......	......	2	2·50	?	Nil	?	21·81	?
		Manda ...	......	0·70	2·30	0·20	......	......	......	3	3·20	?	Nil	?	19·16	?
	Maldah ...	Maldah ...	0·07	0·74	0·45	1·84	1·06	0·10	......	5	4·26	2·82	Nil	0·31	25·26	26·35
		Chanchal ...	......	0·04	0·40	0·36	0·32	......	......	3	1·12	4·30	Nil	0·70	20·62	30·03
		Gajol ...	......	0·20	......	1·45	1·75	0·67	......	4	4·07	?	Nil	?	33·40	?
		Sibganj ...	0·02	0·08	0·85	3·83	1·80	0·25	......	4	6·94	?	Nil	?	31·68	?
	Dinagepore ...	Mohadebpore	......	......	0·33	0·60	0·58	0·08	......	3	1·59	2·19	Nil	0·39	18·70	29·03
		Churamon ...	......	0·18	0·33	0·64	0·17	......	0·04	4	1·36	2·57	0·04	0·26	31·85	27·50
		Raigunge ...	......	......	0·20	0·60	1·10	......	......	3	1·90	2·44	Nil	0·40	41·95	31·07
		Dinagepore ...	......	0·16	0·07	2·00	......	......	......	2	2·23	2·64	Nil	0·54	32·96	35·57
		Baloorghat	......	0·40	0·02	1·34	0·35	......	......	4	2·38	3·33	Nil	0·43	28·85	30·99
		Thakoorgaon	......	......	0·20	......	......	......	0·76	2	0·96	?	0·76	?	40·97	?
	Rungpore ...	Bhowanigunge (*Gyabanda*)	......	0·05	1·10	0·30	......	......	......	2	1·45	3·23	Nil	0·25	38·67	33·42
		Rungpore ...	......	0·03	1·35	1·63	0·12	......	......	3	3·13	3·01	Nil	0·10	44·84	42·97
		Kurigram ...	0·32	0·19	0·55	0·94	......	......	......	4	2·00	2·51	Nil	0·31	40·89	44·92
		Bagdogra (*Nilphamari*)	......	......	1·73	0·47	......	......	......	2	2·20	2·37	Nil	0·52	44·76	48·06
		Ulipore ...	......	......	1·28	1·20	......	......	......	2	2·48	?	Nil	?	42·29	?
	Julpigoree ...	Julpigoree ...	......	0·50	0·12	......	0·08	......	......	2	0·70	3·86	Nil	0·82	37·49	61·33
		Alipore Dooar	......	0·72	......	......	......	......	......	1	0·72	?	Nil	?	52·81	?
		Fallacotta ...	......	0·43	......	......	......	......	......	1	0·43	?	Nil	?	35·58	?
		Debiganj ...	......	......	0·84	1·55	0·03	......	......	2	2·42	?	Nil	?	50·48	?
		Bhagalpore (Nagrakaita)	0·05	0·37	0·07	0·70	1·62	0·34	......	4	3·15	?	Nil	?	46·41	?
	Cooch Behar..	Dinhatta ...	......	0·52	0·33	0·50	......	......	......	3	1·35	3·02	Nil	0·56	49·09	53·59
		Cooch Behar...	......	0·60	0·23	......	......	......	0·12	3	0·95	3·81	0·12	0·34	55·69	68·21
		Mekligunge...	......	0·72	0·57	0·36	0·16	......	......	4	1·81	4·71	Nil	1·39	47·39	59·34
		Matabhanga...	......	0·63	0·23	0·15	0·03	......	......	3	1·04	4·37	Nil	0·58	63·15	63·83
	Darjeeling Hill.	Buxa ...	......	2·24	0·14	0·71	0·33	0·07	0·01	4	3·50	6·51	0·01	1·24	67·55	107·77
		Silliguri ...	......	0·80	0·53	0·15	0·30	......	......	4	1·78	5·20	Nil	1·47	36·39	69·69
		Darjeeling ...	0·02	4·18	3·17	0·50	0·45	0·12	......	5	8·44	6·29	Nil	1·13	54·74	60·43
		Kalimpong ...	......	5·50	2·88	0·57	1·04	0·06	......	4	10·05	6·52	Nil	1·16	36·39	53·41
		Kurseong ...	......	2·06	1·38	0·21	0·57	0·10	......	5	4·32	?	Nil	?	60·33	?
NORTH BEHAR	Purneah ...	Kissengunge...	......	......	0·24	0·04	0·44	......	......	2	0·72	2·98	Nil	0·62	31·53	37·29
		Arrareah ...	......	0·05	0·65	0·50	0·20	0·21	......	4	1·61	2·91	Nil	0·14	28·44	32·81
		Purneah ...	......	0·39	0·68	0·35	0·32	0·83	......	5	2·57	3·23	Nil	0·48	24·04	29·50
		Gondwara ...	......	1·06	......	0·60	......	......	......	2	1·66	?	Nil	?		?
		Balarampore	......	0·10	0·90	0·70	......	......	......	3	1·70	?	Nil	?	18·93	?
		Matiari ...	......	......	0·20	......	......	0·63	......	2	0·83	?	Nil	?	14·44	?
		Kaliaganj ...		0·18	0·48	0·16	1·90	......	......	4	2·72	?	Nil	?	32·47	?
	North Bhagulpore.	Maddapore ...	......	......	0·77	0·16	0·99	0·05	......	4	1·97	2·24	Nil	0·34	20·85	23·26
		Soopool ..	......	0·11	0·59	......	0·09	1·80	......	3	2·59	2·70	Nil	0·23	16·43	23·51
		Protabganj...	......	......	0·18	......	0·31	......	......	2	0·49	?	Nil	?	20·13	?
	Durbhunga ...	Tajpore ...	0·62	0·58	0·84	0·22	2·75	1·05	......	6	6·06	2·60	Nil	0·07	33·70	21·92
		Durbhunga ...	......	......	1·18	0·15	......	0·35	......	3	1·68	2·00	Nil	0·48	18·03	22·14
		Madhubani ...	......	......	0·39	......	1·68	......	......	2	2·07	2·66	Nil	0·33	19·25	21·84
		Bahera ...	......	......	1·10	0·18	0·75	0·32	......	4	2·35	?	Nil	?	21·05	?
		Roshera ...	0·47	0·58	0·42	0·10	0·05	0·02	......	5	2·54	?	Nil	?	10·01	?
	Mozufferpore	Sitamarhi ...	......	......	0·72	0·02	1·65	0·55	......	3	2·94	1·44	Nil	0·21	34·91	21·69
		Mozufferpore	0·06	......	1·00	0·05	0·96	1·45	......	3	3·52	2·46	Nil	0·14	20·74	21·81
		Hajipore ...	0·48	0·03	0·72	0·12	0·27	0·04	......	5	2·26	2·66	Nil	0·16	20·37	21·06
		Paru ...	0·20	0·77	0·42	......	......	......	......	3	1·39	?	Nil	?	?	?
		Mahua ...	0·78	0·46	1·72	0·74	1·50	......	......	5	5·20	?	Nil	?	24·26	?
		Sinhar ...	......	0·10	0·90	......	2·10	......	......	3	3·10	?	Nil	?	18·51	?
		Pupri ...										?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 1st of August 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 26th July.	Monday, 27th July.	Tuesday, 28th July.	Wednesday, 29th July.	Thursday, 30th July.	Friday, 31st July.	Saturday, 1st August.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari ...	......	0·06	0·67	0·14	1·14	0·67	......	4	2·68	2·33	Nil	0·53	24·36	21·00
		Bettiah ...	......	......	0·43	0·73	0·07	0·18	......	3	1·41	2·20	Nil	0·49	21·03	23·67
		Bagaha ...	......	......	1·10	0·02	0·03	0·05	......	2	1·80	?	Nil	?	38·93	?
		Burhurwa ...	......	0·07	0·98	1·11	0·04	0·18	......	3	2·38	?	Nil	?	22·10	?
	Sarun ...	Gopalgunge ...	......	......	0·25	2·23	0·10	0·19	......	4	2·77	1·98	Nil	0·21	24·73	20·95
		Sewan .	......	0·30	0·64	......	......	......	......	2	0·94	2·21	Nil	0·43	18·01	20·95
		Chuprah ...	0·71	......	0·18	0·52	......	......	......	3	1·41	2·88	Nil	0·32	12·93	20·57
SOUTH BEHAR	Shahabad	Buxar	......	0·25	0·05	0·08	......	......	0·33	2	0·71	2·97	0·33	0·50	5·31	18·16
		Dehree ..	0·16	0·03	0·01	......	......	......	0·48	3	1·28	3·56	0·48	0·71	9·68	19·42
		Bhaboosh ...	0·10	0·30	......	......	......	......	1·20	3	1·60	3·61	1·20	0·29	8·25	20·30
		Sasseram ...	0·23	0·42	......	......	......	......	0·21	3	0·86	3·18	0·21	0·11	7·30	18·92
		Arrah ...	0·40	0·16	0·50	0·92	......	0·10	0·10	6	2·18	2·63	0·10	0·06	13·86	19·68
		Mohaniah ..	......	......	......	......	0·10	......	......	1	0·10	?	Nil	?		?
	Gya	Aurungabad ...	0·25	0·10	......	......	......	......	0·65	3	1·00	3·90	0·65	0·29	11·65	21·21
		Gya ...	0·03	0·02	0·01	0·04	0·08	0·02	......	Nil	0·20	3·45	Nil	0·28	14·04	22·05
		Nowadah ...	0·06	......	0·35	0·09	1·30	0·28	......	3	2·06	3·43	Nil	0·16	21·32	20·06
		Jehanabad ...	0·02	......	0·09	0·01	0·29	0·03	......	2	0·94	3·89	Nil	0·30	18·10	20·30
		Arwal ...	......	......	......	1·40	......	......	......	1	1·40	?	Nil	?	11·33	?
		Daudnagar ..	0·10	......	......	......	......	......	0·12	2	0·22	?	0·12		5·67	?
		Sherrghatti ..	......	0·32	......	......	......	......	......	1	0·32	?	Nil		9·20	?
		Rajauli ...	0·11	......	......	......	0·70	0·16	......	3	0·97	?	Nil	?	22·82	?
		Pakri Barawan	......	......	......	......	0·33	......	......	1	0·33	?	Nil	?	14·02	?
	Patna	Patna ...	0·87	0·21	0·24	0·29	......	0·27	......	5	1·88	2·71	Nil	0·14	19·77	21·35
		Dinapore .	0·75	0·50	0·15	0·10	0·25	0·22	......	6	1·97	2·35	Nil	0·10	22·50	20·34
		Behar ...	......	0·15	......	0·71	0·10	0·26	......	4	1·22	3·24	Nil	0·09	24·39	21·83
		Barrh ...	0·50	0·10	1·20	0·30	1·00	......	......	5	3·10	2·84	Nil	0·17	27·23	19·88
		Bickram ...	......	0·23	0·12	0·20	......	......	......	3	0·60	?	Nil	?	16·34	?
		Hilsa .	......	......	......	1·30	0·54	0·20	......	3	2·04	?	Nil	?	24·25	?
	Monghyr ...	Begooserai ...	0·33	0·12	1·02	0·50	0·18	0·43	......	6	2·58	3·18	Nil	0·32	19·08	19·02
		Monghyr	0·16	0·15	0·66	0·09	4·70	0·44	......	5	6·20	3·09	Nil	0·26	24·60	22·12
		Jamui ..	......	0·68	0·22	0·63	0·28	1·29	......	5	3·10	3·50	Nil	0·24	21·37	22·13
		Gogri ...	1·67	......	1·27	......	3·42	......	......	3	6·36	?	Nil	?	29·13	?
		Sheikpura ..	......	......	......	......	......	2·20	......	1	2·20	?	Nil	?	21·44	?
	South Bhagulpore	Bhagulpore ...	0·11	0·07	0·22	0·34	1·29	0·05	......	4	2·08	3·31	Nil	0·12	20·19	21·79
		Banka .	0·03	0·24	1·25	1·21	3·07	0·09	......	4	5·89	2·97	Nil	0·34	25·20	21·32
		Kolgong ...	0·22	......	0·19	......	......	0·65	......	3	1·06	?	Nil	?	20·21	?
		Bangaon ..	......	......	......	2.01						?		?		?
	Sonthal Pergunnahs.	Rajmehal ...	......	0·61	0·72	0·89	1·28	0·09	......	4	3·59	3·02	Nil	0·23	26·35	27·17
		Godda ...	0·17	0·12	1·30	0·72	2·75	0·03	......	5	5·09	3·50	Nil	0·50	21·31	21·61
		Pakour	0·39	0·29	1·56	3·76	0·77	......	......	5	6·77	1·08	Nil	0·33	24·04	26·85
		Nya Doomka	0·57	0·40	0·27	0·03	2·65	0·15	0·01	5	4·17	4·62	0·01	0·60	22·47	28·12
		Deoghur .	0·62	0·55	0·14	0·85	1·79	0·85	......	6	4·80	4·10	Nil	0·34	19·93	25·49
		Jamtara ...	0·29	0·12	......	......	4·36	0·17	0·38	5	5·32	3·98	0·38	0·37	31·74	25·63
		Mohagama ..			3·40	......	1·40					?				?
		Nunihat ...	0·18	0·42	......	0·35	2·02	......	0·65	5	3·62	?		?		?
CHUTIA NAGPUR.	Hazaribagh .	Pachamba (*Giridi*). ...	0·17	0·87	0·05	......	2·33	0·50	0·31	5	4·23	3·48	0·31	0·28	26·57	23·81
		Hazaribagh .	0·54	1·57	0·09	......	0·05	......	0·02	2	2·27	4·55	0·02	0·42	19·47	24·24
		Semtagurah	2·28	0·15	......	......	......	......	......	2	2·43	2·88	Nil	0·32	15·47	23·49
		Mahudi Hills										3·12		0·39		23·42
		Jhoomra Hills										4·43		0·55		31·75
		Barhi ...	0·12	0·23	0·03	......	0·20	0·06	......	3	0·64	?	Nil	?	10·48	?
		Chatra ...	0·18	1·00	0·06	......	......	......	0·02	2	1·26	?	0·02	?	11·90	?
		Karagdeha ...	0·72	0·63	......	......	1·81	0·50	......	4	3·66	?	Nil	?	25·22	?
		Ramghar ...	0·70									?		?		?
	Lohardugga ..	Lohardugga ...	0·84	......	......	......	......	0·41	......	2	1·25	4·10	Nil	0·54	19·81	24·90
		Ranchi ...	1·72	0·98	0·08	......	0·12	......	0·34	4	3·24	4·63	0·34	0·35	16·84	27·13
		Palamow ..	0·54	0·13	0·04	0·25						4·25		0·60		21·38
		Silli ...	1·10	1·70	......	1·38	0·10	......	......	4	4·28	?	Nil	?	20·98	?
		Balumat ...	1·50	0·12	......	......	......	0·18	......	3	1·80	?	Nil	?	14·94	?
		Hosseinabad	0·80									?		?		?
		Garwah ...	0·28	0·84								?		?		?
	Singbhoom ..	Chyebassa ...	0·03	0·07	0·33	......	0·23	......	0·25	4	1·51	4·05	0·25	0·42	17·04	27·28
		Chakradharpore.	5·56	0·38	0·46	......	......	......	......	3	6·70	?	Nil	?	33·30	?
		Ghatsilla ...	2·50	0·30	......	1·30	......	......	0·50	4	4·60	?	0·50	?	24·34	?
		Baharagura	0·50									?		?		?
	Manbhoom ...	Purulia ...	0·65	0·72	0·14	......	0·90	......	......	4	2·41	4·41	Nil	0·25	28·08	25·23
		Gobindpore ..	0·64	0·42	0·02	......	1·61	0·26	......	4	2·95	3·45	Nil	0·53	20·76	22·46
		Raghunathpore.	1·31	0·21	0·08	......	3·30	0·50	......	4	5·40	?	Nil	?	25·54	?
		Burrabhoom	1·25	......	0·21	......	0·25	......	0·52	4	2·23	?	0·52	?	18·79	?
		Jhalda ..	0·42	0·20	......	......	......	0·41	2·10	4	3·13	?	2·10	?	24·53	?
		Chas ...	1·32	1·30	......	......	3·90	0·14	......	4	6·66	?	Nil	?	29·14	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 4th August* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 1ST OF AUGUST 1891.

DURING a considerable part of the previous week a very feeble whirl had existed over South-West Bengal and the neighbouring parts of the Bay, but which till Saturday, the 25th, had not intensified in any way. On that day, however, a very rapid fall of pressure had taken place at Saugor Island and Calcutta, and a very distinct but small cyclonic storm was formed with its centre over the Sunderbuns to the east of Saugor Island. Wind velocities rapidly increased in connection with the storm, and a gale of wind commenced to blow at the head of the Bay. Immediately after its formation the small storm began to advance in a north-westerly direction, and on the morning of the 26th the storm was in the west of Chutia Nagpur; but as there are no meteorological observatories over that area, the precise position of its centre is doubtful. On the morning of the 26th, as the storm centre was well inland, the "cautionary" storm signal which had been hoisted in the Hooghly on the 25th was hauled down, but on the 26th and partly on the 27th a gale of wind continued to blow at the head of the Bay. On the 27th the centre of the storm was near Jubbulpore and Sutna, on the 28th it was near Jhansi, on the 29th it was to the west of Ajmere, and on the 30th the centre was apparently near Bikanir, but the storm was decidedly more feeble and was evidently filling up. During the whole of its existence the storm was accompanied by a strong cyclonic circulation of winds, and in its rear a heavy wave of moisture-laden monsoon winds spread over the whole of Northern India, and brought general rainfall to practically the whole of the Punjab and other parts of Northern India which had been up to that time almost rainless during the present monsoon.

During the passage of the small storm through the south-western districts of Bengal very heavy rain was received, and with the wave of monsoon winds which followed it, conditions remained favourable for rainfall up till the 30th, and from the 26th to the 30th rainfall was fairly general and of moderate amount in all districts The alterations of meteorological conditions from day to day in Bengal during this period do not call for any detailed remark. From the 29th, however, the conditions in the Bay began to alter. A decidedly rapid fall of pressure took place at the central stations in the east of the Bay, the fall being largest (0·103″) at Diamond Island; wind also became strongly westerly in Burma and east-south-easterly at Akyab, pointing to the possible commencement of a feeble cyclonic circulation of winds, but the winds were very light. On the 30th a further rapid fall of pressure took place at the eastern stations, and winds again showed a feeble tendency to cyclonic circulation over the east of the Bay, though winds were still light, and up to this date probably no storm had formed. On the 31st pressure continued to fall generally, winds again showed rather cyclonic directions, but the circulation was decidedly incomplete, though strong winds commenced to blow at Diamond Island and the Burma stations generally. The land observations on this day indicated that a distinct barometric depression had formed over the east of the Bay, but they did not show any very definite centre to this depression. It is probable, however, that a distinct cyclonic storm had formed to the north-west of Diamond Island on the 31st, but the land observations certainly did not show that it was of any great strength. On the 1st of August pressure continued to fall at Akyab and in the north of the Bay, and there was a rapid rise in Burma. The cyclonic circulation of winds became more complete, and strong winds continued to blow in Burma. A distinct cyclonic storm therefore appeared to exist on this day to the west of Akyab in perhaps about latitude 19° to 20° N. and longitude 90° to 91° E.

The storm had apparently therefore moved in a north-north-westerly direction in the twenty-four hours from the 31st to the 1st. Storm signals were accordingly hoisted on the 1st in the Hooghly and at Chittagong, indicating the existence of the storm in the north of the Bay and its probable advance in a north-westerly direction. The storm afterwards on the 2nd advanced in a north-westerly direction to the Sunderbuns, but there it changed its path and afterwards from the 2nd to the 3rd advanced due west past Saugor Island into Orissa. The history of this storm, however, subsequent to the 1st belongs to the meteorology of the following week.

From the 30th, during the formation of the storm in the Bay, winds in the west and centre of Bengal began to show indraught towards the sea area, and became therefore northerly and north-westerly. Rainfall at once commenced to decrease in amount and area, a large part of the province became practically rainless, and elsewhere rain was usually light and local. For the 31st and 1st August, therefore, little or no rain was reported in the province.

Pressure.—On the 26th pressure fell generally and rather rapidly with the advance of the cyclonic storm over the province, but for the next two or three days a brisk rise was experienced, and on the 29th pressure became above the normal generally by about a tenth of an inch. From the 30th a fall set in which continued up till the close of the week, when pressure had become below the normal by amounts which ranged from 0·03″ at the western stations to 0·1″ at the extreme eastern stations. These variations have more or less neutralized each other, and the mean pressure for the week at the majority of stations has not been very far removed from the normal. In most cases slight excess pressures of about 0·01″ or 0·02″ have been registered, not only throughout the province of Bengal, but also in Assam.

Temperature.—The variations of temperature during the week have to a great extent followed the variations in the heaviness of the rainfall, but on the whole they have been of very slight practical importance. For the whole province the mean temperature for the week has only varied from the normal by a defect of less than a tenth of a degree; but while South Behar has shown an excess of rather more than a degree, South-West Bengal and Chutia Nagpur have shown defects of rather more than half a degree. In the other divisions the temperatures have been almost normal. In Assam an excess temperature of 0·8° has been registered.

Rainfall.—As stated previously, rainfall was fairly general for the first four or five days and to a considerable extent absent on the last two days of the week. During the passage of the small cyclonic storm through the south-west of the province falls of two and-a-half inches and upwards in a single day were reported from Bhuddruck, Contai, Khatra, Gungajalghati, and Morarai. The heavy falls then extended, and on the 27th the following were some of the amounts recorded :—Cox's Bazar 7·32 inches, Darjeeling 4·18 inches, and Kalimpong 5·50 inches, while falls in excess of two and three inches were numerous. On the 28th again heavy rainfall was recorded, Satkanya receiving 5·20 inches, Chittagong 5·02 inches, Lalgola 4·05 inches, and Beauleah 3·95 inches, and again falls in excess of two inches were numerous. On the 29th the falls began to fall off in amount except at Sherpore (Mymensingh), where 11·02 inches fell, though on the 30th again falls in excess of three inches were recorded at Chas, Raghunathpur, Jamtara, Banka, Gogri, Monghyr, Beauleah (5·29 inches), Durgapore, Kandi, Serampore, Baraset, and Barrackpore Falls on the 31st and 1st August were generally light. For the whole week an average fall of four and-a-third inches has been received in East Bengal and of about two and-a-half to three and-a-half inches in all other divisions except Orissa, where an average fall of only one and-a-half inches is reported. Compared with the normal, the fall in South-West Bengal has been in slight excess, and in East and North Bengal and Behar in slight defect. In Chutia Nagpur the defect is large, and equals about a fourth of the usual fall, and in Orissa the defect is even larger and equals nearly one-half of the normal amount. The number of rainy days in the week has also been about equal to the normal except in Orissa and Chutia Nagpur, where they equal about three-fourths the usual number.

In the smaller districts the following have received falls largely in defect of the normal :— All districts in Orissa, Midnapore, Chittagong Hill Tracts, Dacca, Comilla, Pubna, Julpigoree, Mymensingh, Shahabad, Gya, and Chybassa. Rather large excess falls, on the other hand, have been received in Moorshedabad, Chittagong, Backergunge, Rajshahye, Durbhunga, and Sonthal Pergunnahs.

In Assam during the week Silchar has received 3·83 inches, Sibsagar 1·08 inches, and Dhubri 0 84 inch of rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 1st of August 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	94·4	74·8	87·6	78·8	83·2	+0·1	1·57	2·89	−1·32	2·33	3·51	−1·18	0·15	0·30	15·15	24·94
South-West Bengal ...	96·5	74·9	87·3	78·0	82·7	−0·8	3·44	3·36	+0·08	4·27	4·06	+0·21	0·06	0·37	24·63	26·30
East Bengal	93·3	74·1	86·0	77·6	81·8	−0·2	4·35	4·57	−0 22	4·20	4·44	−0·24	0·11	0·48	38·23	41·08
North Bengal	94·4	74·2	89·0	78·1	83 5	−0·1	2·65	3·10	−0·45	3 44	3·50	−0·06	Nil	0·44	34·41	37·88
North Behar	93·8	75·2	90·4	78·2	84 3	0	2·33	2·51	−0·18	3·50	3·19	+0·31	Nil	0·34	23·02	28·94
South Behar	95·4	75·0	90·5	78·7	84·6	+1·1	2·90	3·33	−0·43	4·17	3·71	+0·46	0·12	0·30	19·54	21·83
Chutia Nagpur	88·7*	69·4*	82·1*	72·7*	77·4*	−0·6*	2·87	3·94	−1·07	3·73	4·69	−0·96	0·10	0·48	19·91	25·00
Assam	97·1	76·2	91·0	78·4	84·7	+0·8										

* Chyobassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 4th August 1891.

A. PEDLER.
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 26th July to 1st August 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour pressure.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
July	26th	124·5	Nil	29·420	80·9	81·1	6·8	77·3	78·6	0·950	77·7	90	ESE and S ...	161	0·31	Cloudy, o, g, d, p.
„	27th	103·5	„	·553	80·3	81·9	4·7	77·2	77·1	·889	75·7	86	SW and SSW ...	223	0·08	Cloudy, o, g, d.
„	28th	129·8	„	·661	82·6	86·1	7·9	78·2	79·0	·944	77·5	85	SW and SSW ...	172	0·10	Cloudy, o, g, d, p, lr.
„	29th	145·0	1·9	·635	83·3	90·2	10·6	79·6	80·1	·985	78·8	86	SSW, WSW, and variable.	113	0·27	Chiefly cloudy, o, g, d, p, t.
„	30th	118·5	5·2	·559	82·1	87·7	11·5	76·2	78·8	·941	77·4	86	WNW, calm, and variable.	131	0·58	Chiefly cloudy, o, t, <, p.
„	31st	154·5	6·5	·499	81·0	90·9	11·7	79·2	79·9	·967	78·2	83	ENE, NNW, and variable.	73	0·80	Chiefly cloudy, o, g, p, t, <, d, lr.
Aug.	1st	147·4	3·1	·478	83·4	92·1	12·9	79·2	79·8	·970	78·3	85	NNW and variable...	71	0·77	Chiefly cloudy, o, g, p.

	Inches.
The mean pressure of the seven days	29·514
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·548
	Hours.
The total number of hours of bright sunshine	16·7
The maximum possible number of hours of sunshine	92·2
	°
The mean temperature of the seven days	82·4
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·0
The extreme variation of temperature	15·9
The maximum temperature	92·1
	Miles.
The highest velocity of the wind in one hour	16
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	86
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches.
The total fall of rain from 26th July to 1st August 1891	2·91
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	4·04
The total fall from 1st January to 1st August 1891	25·36
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	35·42

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; lr, lightning reflection; t, thunder; <, lightning.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 3rd August 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 26th July to 1st August 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature. Daily mean.	Maximum.	Range.	Minimum.	Hygrometry. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
July ...	26th ...	29·454	81·1	84·0	7·7	77·2	80·2	78·0	·930	77·0	90	0·13
" ...	27th ...	·595	80·1	82·9	5·6	77·3	79·6	77·5	·917	76·6	91	0·12
" ...	28th ...	·730	83·2	89·0	11·7	77·3	83·4	79·5	·955	77·8	83	0·25
" ...	29th ...	·677	85·8	92·0	12·4	79·6	89·6	82·5	1·017	79·7	75	...
" ...	30th ...	·606	82·1	89·0	13·2	75·8	84·6	80·0	·964	78·1	81	0·48
" ...	31st ...	·550	85·9	92·5	13·2	79·3	85·8	82·5	1·068	81·3	87	...
August ...	1st ...	·513	87·4	94·0	13·2	80·8	89·6	84·5	1·118	82·7	81	0·24

	Inches.
The mean 10 A.M. pressure of the seven days	29·589
	°
The mean temperature of the seven days	83·7
The extreme variation of temperature	18·2
The maximum temperature	94·0
The mean 10 A.M. relative humidity of the seven days	84
	Inches.
The total fall of rain from 26th July to 1st August 1891	1·22

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 3rd August 1891.

MEMORANDUM.

Report on the Monthly Statistics of Deaths registered in forty-five districts of Bengal for the month of May 1891.

The total deaths registered in forty-five districts of Bengal during the month of May 1891 numbered 125,975, being less than those in the preceding month by 36,005, but greater than those of the corresponding month of the preceding year and the average of the corresponding months of the previous five years (1886—90) by 1,518 and 6,873, respectively, representing an annual death-rate of 22·92 per 1,000 of the aggregate population of those districts, which is 65,859,534. The death-rate of May 1891 is ·36 higher than the mean rate of the corresponding months of the past five years 1886—90, and is also higher than the rate of the corresponding period of any of the past five years except 1887, *vide* the figures below:—

	May 1886.	May 1887.	May 1888.	May 1889.	May 1890.	Monthly average of five years 1886—90.	May 1891.
Number of deaths	100,248	140,045	115,865	114,896	124,457	119,102	125,975
Ratio per mille per annum	18 24	25·44	21·00	20·88	22·56	22·56	22·92

The mortality-rate during May 1891, as will be seen from the following table, is less than that during the past months of the year:—

Months.			*Number of deaths.*	*Ratio per mille.*
January 1891	...	...	143,492	26·04
February „	...	...	137,553	24·96
March „	...	...	168,185	30·60
April „	...	...	161,980	29·52
May „	...	...	125,975	22 92

The following table shows the death-rates among the different sexes and the five principal classes of the community which comprise the population of the Bengal Province. As usual, on the whole the registered results were greater among the male than among the female population. 118 males died for every 100 females, calculated on the proportion such mortality bears to the total male and female population. Proportionally to population Mahomedans died in greater numbers than either the Hindus, Christians, or other classes, and the Buddhists suffered the least:—

	Sexes.			Classes.				
	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Number of deaths	67,844	58,131	...	178	80,743	42,003	122	2,929
Ratio per mille per annum ..	24·84	21·00	118	21·96	22·56	23·64	18·36	21·00

The subjoined table shows the highest proportions of deaths registered during the month of May 1891, arranged in order of sequence and compared with the mortality of the corresponding month of 1890:—

Districts.	Ratio per *mille* during— May 1891.	Ratio per *mille* during— May 1890.	*Districts.*	Ratio per *mille* during— May 1891.	Ratio per *mille* during— May 1890.
Jalpaiguri	78·00	33·24	Bhagulpore	30 72	34·20
Purneah	65·52	23·28	Backergunj	25 80	23·28
Rungpore	48·72	19 20	Noakhali	25·56	32·64
Darjiling	47·28	59·76	Nuddea	25·32	14·16
Dinajpur	30·93	22·32	Hazaribagh	25·20	31·20

Jalpaiguri attained the highest death-rate during the month under notice (78·1 per mille per annum) and the lowest death-rate was recorded in Chumparun (12·36). The high death-rate in Jalpaiguri was due to an excessive mortality from cholera, more than half of the total deaths having occurred from that disease. Eliminating Jalpaiguri, Purneah stands next on the list with a high death-rate (65·52), followed by Rungpore (48·72) and Darjeeling (47·28). It will be seen from the statement appended to this memorandum that the death-rates in six districts ranged between 30·96 and 25·20, in twelve they were between 24·84 and 20·28, and in the remaining twenty-three below 20 per mille per annum. Registration of deaths cannot be said to be accurate in those districts which return death-rates below 20 per mille per annum.

The total mortality during the month under review from the several registered death-causes is compared in the following table with the mortality from those causes in the corresponding month of 1890 and the average of the previous five years 1886—90 :—

	Ratio per *mille* during—		
	May 1891.	May 1890.	Monthly average of five years 1886–90.
Cholera	4·80	2·88	3·36
Small-pox	·24	·24	·12
Fever	14·04	15·84	14·16
Dysentery and diarrhœa	·48	·48	·60
Injury	·36	·36	·36
Other causes	2·64	2·52	2·52

The most noticeable points in connection with the above table are that the death-rate of May 1891 under the head Cholera is higher than in the two past periods with which it is compared, but as compared with May 1890 there is a decrease in the mortality of May 1891 under the head Fever.

The mortality from *Cholera* amounted to 26,810 (ratio 4·80 per mille per annum), against 44,769 (ratio 8 04) in the month before. All the districts suffered, but Purneah the most with a death-rate of 43·20 per mille per annum, then Jalpaiguri (41·40), Rungpore (25·68), Bhagulpore (10·68), Nuddea (7 80), Mymensing (5 40), Durbhunga (5 28), Dinajpur and Maldah (5·04) each, Shahabad (4·68), Sarun (4·20), Pubna (4 08), Darjiling (3·84), Backerganj (3·48), Monghyr (3·24), Rajshahye (3·), Bogra 2·76), and Dacca, Faridpur, and Sonthal Pergunnahs (2·04) each.

The total deaths from *small-pox* numbered 1,967 (ratio ·24 per mille per annum), against 1,926 (ratio ·24) in the previous month. Midnapore sufferered the most with a death-rate of 3·12 per 1,000 of population per annum, next Cuttack (1·68), then Lohardugga (1·20). Six districts were absolutely free from this disease.

Fever caused 77,357 deaths (ratio 14·04 per 1,000 per annum) against 92,474 (ratio 16·80) in the preceding month, and *dysentery and diarrhœa* proved fatal in 2,727 instances (ratio ·48 per mille per annum) against 3,078 (ratio ·48) in the previous month. All the districts returned deaths from both heads; but the greatest mortality-rates from fever were recorded in Jalpaiguri (34·80), Darjeeling (30·96), Dinajpur (24·24), Noakhali (22·20), Purneah (21·60), and Rungpore (20·64). Darjeeling returned the highest death-rate from dysentery and diarrhœa (7·68), followed by Howrah (3·) and Balasore (2·52).

Injury caused 2,570 deaths (ratio ·36 per mille per annum), against 1,930 (ratio ·24) in the previous month, and the mortality from *all other causes* not specified amounted to 14,544 (ratio 2·64 per mille per annum), against 17,803 (ratio 3·24). Poori returned the highest death-rate from the unspecified diseases coming under the head "All other causes," viz., 11·40 per mille per annum.

With regard to *Age*, infants (under one year) as usual perished in the largest numbers, 141·84 per 1,000 of population per annum; next came old persons (60 years and upwards) with a death-rate of 47·88 per 1,000. The lowest death-rate occurred between the ages of 10 and under 15 years, viz. 12·36 per 1,000 per annum.

Detailed information regarding the mortuary statistics of the forty-five districts of Bengal during the month under review will be found in the statement appended.

W. H. Gregg, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

The 1st August 1891.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of May 1891.

1	2	3			4							5							6		7		8		9
		POPULATION.			MORTALITY ACCORDING TO— Disease. Deaths from—							Ratio per 1,000 of population per annum.							Comparison with previous periods.		Sex. Deaths among—		Ratio per 1,000 of population per annum.		
DIVISIONS.	DISTRICTS.	Males.	Females.	Total.	Cholera.	Small-pox.	Fever.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
BURDWAN	Burdwan	668,295	723,528	1,391,823	158	37	1,374	47	42	397	*2,055*	1·32	·24	11·76	·36	·36	3·36	*17·64*	29·28	18·00	1,065	990	19·08	16·32	116
	Bankura	507,136	534,616	1,041,752	51	14	837	32	43	278	*1,255*	·48	·12	9·60	·36	·48	3·12	*14·40*	31·00	18·36	670	585	15·84	13·06	114
	Birbhum	381,563	412,865	794,428	22	1	865	7	20	472	*1,387*	·24	·01	12·96	·09	·24	7·08	*20·88*	33·60	23·88	740	647	23·16	18·72	123
	Midnapore	1,243,195	1,272,370	2,515,565	173	661	2,879	162	103	567	*4,545*	·72	3·12	13·68	·72	·48	2·64	*21·60*	27·96	15·60	2,396	2,149	22·08	20·16	110
	Hughli	315,665	347,385	663,050	12	...	704	59	35	146	*947*	·12	...	12·72	·84	·60	2·64	*17·04*	26·88	19·56	538	409	20·40	14·04	145
	Serampore	174,366	177,589	351,955	22	4	390	52	14	86	*568*	·72	·12	13·20	1·68	·36	2·88	*19·32*	28·92	21·48	336	233	23·04	15·60	147
	Total (Hughli including Serampore).	490,031	524,974	1,015,005	34	4	1,094	102	49	232	*1,515*	·36	·03	12·84	1·20	·48	2·64	*17·88*	27·60	20·28	874	641	21·36	14·64	145
	Howrah	316,479	318,902	635,381	76	14	463	141	33	277	*1,094*	1·32	·24	8·64	3·00	·60	5·16	*19·32*	23·04	17·28	571	453	21·60	17·04	126
PRESIDENCY	24-Pergunnahs ...	860,841	812,521	1,673,362	150	1	1,573	65	88	195	*2,072*	·96	·006	11·28	·36	·60	1·32	*14·76*	21·24	14·04	1,177	895	16·32	13·20	123
	Nuddea	805,779	849,942	1,655,721	1,087	14	1,962	40	113	296	*3,502*	7·80	·09	14·16	·24	·72	2·04	*25·32*	46·44	14·16	1,889	1,613	28·08	22·68	123
	Jessore	959,271	980,104	1,939,375	193	8	2,839	6	103	136	*3,285*	1·08	·04	17·52	·03	·60	·84	*20·28*	27·24	19·68	1,787	1,498	22·44	18·24	123
	Murshidabad	586,483	640,307	1,226,790	193	2	1,332	11	57	192	*1,787*	1·80	·01	12·96	·09	·48	1·80	*17·40*	30·72	17·28	999	788	20·40	14·76	138
	Khulna	568,402	511,546	1,079,948	167	3	1,226	3	50	139	*1,588*	1·80	·02	13·56	·02	·48	1·44	*17·64*	22·20	21·48	890	698	18·72	16·32	114
RAJSHAHYE	Dinajpur	782,292	732,054	1,514,346	640	1	3,070	23	53	138	*3,925*	5·04	·007	24·24	·12	·36	1·08	*30·96*	49·92	22·32	2,100	1,825	32·16	29·88	107
	Rajshahye	660,040	678,205	1,338,245	343	...	1,977	5	74	162	*2,561*	3·00	...	17·64	·03	·60	1·44	*22·92*	29·52	23·40	1,359	1,202	24·60	21·24	115
	Rungpore	1,067,701	1,030,263	2,097,964	4,409	8	3,621	28	49	314	*8,519*	25·68	·03	20·64	·12	·24	1·68	*48·72*	81·00	19·20	4,410	4,109	49·56	47·76	103
	Bogra	372,863	361,888	734,751	169	3	869	4	38	134	*1,217*	2·76	·04	14·16	·06	·60	2·16	*19·80*	38·96	16·92	676	541	21·72	17·88	121
	Pubna	648,311	663,417	1,311,728	450	...	1,918	20	55	76	*2,519*	4·08	...	17·52	·12	·48	·60	*23·04*	29·64	18·48	1,376	1,143	25·44	20·64	123
	Darjiling	89,351	66,294	155,645	50	...	403	101	4	56	*614*	3·84	...	30·96	7·68	·24	4·20	*47·28*	55·20	59·76	357	257	47·88	46·44	103
	Julpaiguri	305,972	276,418	582,390	2,013	4	1,692	21	6	54	*3,790*	41·40	·07	34·80	·36	·12	1·08	*78·00*	108·84	33·24	1,980	1,810	77·64	78·48	98
DACCA	Dacca	1,033,863	1,082,487	2,116,350	368	3	1,713	100	110	428	*2,722*	2·04	·01	9·60	·48	·60	2·40	*15·36*	22·08	14·52	1,545	1,177	17·88	12·96	137
	Faridpore	805,989	825,745	1,631,734	264	7	1,709	25	46	220	*2,290*	2·04	·04	12·48	·12	·24	1·56	*16·80*	29·04	15·60	1,236	1,054	18·36	15·24	120
	Backerganj	973,479	927,410	1,900,889	562	2	2,452	41	124	917	*4,098*	3·48	·01	15·36	·24	·72	5·76	*25·80*	30·00	23·28	2,218	1,880	27·24	24·24	112
	Maimansing	1,555,840	1,501,103	3,056,943	1,383	65	2,904	81	63	441	*4,937*	5·40	·24	11·28	·24	·24	1·68	*19·32*	20·52	17·04	2,774	2,163	21·96	17·64	124
CHITTAGONG	Chittagong	531,649	600,692	1,132,341	100	82	1,567	35	77	211	*2,072*	·96	·84	16·56	·36	·72	2·16	*21·84*	23·76	20·04	1,094	978	24·60	19·44	126
	Noakhali	415,248	405,524	820,772	55	3	1,524	16	76	81	*1,755*	·72	·03	22·20	·12	1·08	1·08	*25·56*	30·48	32·64	941	814	27·12	24·00	113
	Tipperah	768,450	745,911	1,514,361	224	12	1,500	32	76	236	*2,080*	1·68	·09	11·88	·24	·60	1·80	*16·44*	18·96	18·60	1,134	946	17·64	15·12	116
PATNA	Patna	856,501	895,058	1,751,559	220	84	1,765	109	48	536	*2,762*	1·44	·48	12·00	·72	·24	3·60	*18·84*	18·12	31·56	1,448	1,314	20·16	17·52	115
	Gya	1,043,441	1,081,241	2,124,682	281	94	2,448	26	92	302	*3,243*	1·56	·48	13·80	·12	·48	1·68	*18·24*	17·16	28·08	1,775	1,468	20·40	16·20	125
	Shahabad	950,250	1,014,659	1,964,909	767	46	2,228	31	59	214	*3,345*	4·68	·24	13·58	·12	·36	1·20	*20·40*	20·16	28·44	1,825	1,520	23·04	17·88	123
	Mozufferpore	1,265,731	1,316,329	2,582,060	175	48	2,195	90	95	287	*2,790*	·72	·12	9·72	·36	·36	1·32	*12·96*	13·80	20·52	1,555	1,235	14·64	11·16	131
	Durbhanga	1,295,788	1,337,659	2,633,447	1,172	72	2,705	82	72	382	*4,485*	5·28	·24	12·24	·36	·24	1·68	*20·40*	18·00	31·20	2,335	2,150	21·60	20·04	107
	Sarun	1,085,847	1,199,832	2,285,679	893	63	1,545	172	75	1,059	*3,717*	4·20	·24	8·04	·84	·36	5·52	*19·44*	16·08	21·72	2,137	1,580	23·52	15·72	149
	Chumparun	870,627	850,981	1,721,608	31	35	1,336	24	64	272	*1,786*	·12	·24	9·48	·12	·36	1·80	*12·36*	12·24	30·36	1,024	762	14·04	10·68	131
BHAGULPORE	Monghyr	969,124	1,000,650	1,969,774	544	4	2,620	55	90	385	*3,688*	3·24	·02	15·36	·24	·48	2·28	*22·44*	22·08	39·84	1,936	1,752	23·88	21·00	113
	Bhagulpore	979,119	987,039	1,966,158	1,757	..	2,817	36	45	388	*5,043*	10·68	...	17·16	·12	·24	2·28	*30·72*	35·04	31·20	2,719	2,324	33·24	25·20	117
	Purneah	937,080	911,607	1,848,687	6,058	14	3,331	28	28	39	*10,106*	43·20	·08	21·60	·12	·12	·24	*65·52*	96·72	23·28	5,145	4,961	65·88	65·28	100
	Maldah	346,998	363,450	710,448	303	1	1,072	9	9	60	*1,454*	5·04	·01	18·00	·12	·12	·96	*24·48*	34·56	25·08	826	628	28·56	20·64	138
	Sonthal Pergunnahs ...	785,330	782,763	1,568,093	271	..	1,857	16	27	244	*2,415*	2·04	...	14·16	·12	·12	1·92	*18·48*	22·20	18·00	1,373	1,042	20·88	15·96	130
ORISSA	Cuttack	877,702	917,363	1,795,065	75	256	1,421	[illegible]	111	708	*2,823*	·48	1·68	9·48	1·68	·72	4·08	*18·84*	24·84	17·52	1,436	1,387	19·56	18·12	107
	Poori	443,609	441,878	885,487	23	70	327	117	39	851	*1,427*	·24	·84	4·32	1·56	·48	11·40	*19·20*	23·40	16·68	755	672	20·28	18·24	111
	Balasore	461,461	483,819	945,280	47	22	656	204	46	529	*1,504*	·48	·24	8·28	2·52	·48	6·60	*19·08*	23·40	16·44	809	695	21·00	17·16	122
CHOTA NAGPORE	Hazaribagh	544,903	559,839	1,104,742	86	5	1,848	43	47	288	*2,326*	·84	·04	19·92	·60	·48	3·12	*25·20*	25·08	31·20	1,252	1,074	27·48	22·92	119
	Lohardugga	796,657	812,587	1,609,244	66	172	1,822	170	9	835	*3,074*	·48	1·20	13·56	1·08	·06	6·12	*22·92*	20·88	30·36	1,630	1,444	24·48	21·24	115
	Singbhum	226,681	227,094	453,775	18	28	457	23	37	113	*676*	·36	·72	12·00	·60	·96	2·84	*17·76*	17·64	16·20	418	258	22·08	13·56	162
	Manbhum	525,328	532,900	1,058,228	53	4	1,635	51	35	413	*2,197*	·60	·03	18·48	·48	·36	4·68	*24·84*	34·56	23·58	1,188	1,009	27·12	22·68	119
	TOTAL FOR THE PROVINCE.	32,663,700	33,195,834	65,859,534	26,810	1,967	77,357	2,727	2,570	14,544	*125,975*	4·80	·24	14·04	·48	·36	2·64	*22·92*	29·52	22·56	67,844	58,131	24·84	21·00	118

MORTALITY ACCORDING TO—

Class (columns 10 and 11)

Divisions.	Districts.	10. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	11. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
BURDWAN	Burdwan	2	1,658	395	...	...	20.28	17.64	17.88	...	...
	Bankura	...	1,136	16	...	78		14.88	11.88	...	10.32
	Birbhum	2	1,141	244	...	...	491.92	22.08	18.00	...	
	Midnapore	4	4,069	281	...	191	64.80	21.84	20.52	...	19.44
	Hughli	...	763	184	...	...	...	17.16	16.92	...	...
	Serampore	1	482	85	...	...	32.76	19.80	19.68	...	...
	Total (Hughli including Serampore).	1	1,245	263	...	...	18.24	18.00	17.04	...	...
	Howrah	...	800	224	...	...	...	19.08	20.28	...	...
PRESIDENCY	24-Pergunnahs	10	1,404	658	...	...	11.76	16.20	12.60	...	...
	Nuddea	18	1,270	2,214	...	...	33.60	20.88	28.80	...	...
	Jessore	...	1,217	2,068	...	...		18.96	21.12	...	...
	Murshidabad	2	896	889	...	...	51.00	16.92	18.00	...	...
	Khulna	1	730	848	...	...	15.96	18.92	18.24	...	...
RAJSHAHYE	Dinajpur	...	2,035	1,890	...	...	...	33.96	28.44	...	...
	Rajshahye	...	408	2,163	...	...	...	20.64	23.52	...	...
	Rungpore	1	4,707	3,811	...	...	142.80	60.12	30.64	...	...
	Bogra	...	228	989	...	...	...	19.44	19.92	...	...
	Pubna	...	643	1,876	...	...	...	21.24	23.64	...	...
	Darjiling	...	548	26	40	...	...	51.60	37.92	25.56	...
	Julpaiguri	...	2,790	991	...	9	...	90.72	57.00	...	23.40
DACCA	Dacca	15	1,083	1,624	...	...	20.40	15.12	15.48	...	...
	Faridpore	3	857	1,430	...	...	13.08	15.72	17.52	...	...
	Backerganj	5	1,013	3,080	...	...	16.08	19.41	24.04	...	...
	Maimansing	3	1,625	3,290	...	19	238.32	19.68	19.32	...	8.76
CHITTAGONG	Chittagong	2	404	1,584	82	...	22.08	17.52	23.64	18.12	...
	Noakhali	...	387	1,368	...	...	...	21.84	26.88	...	...
	Tipperah	...	737	1,323	...	...	...	17.76	15.72	...	...
PATNA	Patna	4	2,449	309	...	...	18.48	19.68	17.40	...	...
	Gya	...	2,851	342	...	...	...	18.00	20.16	...	...
	Shahabad	...	3,061	254	...	...	...	20.16	23.16	...	...
	Muzufferpore	11	2,505	274	...	...	35.76	13.20	10.32	...	...
	Durbhanga	1	3,988	496	...	...	36.84	21.52	19.20	...	...
	Sarun	...	3,292	425	...	...	...	19.56	18.84	...	...
	Chumparun	4	1,564	218	...	...	24.72	12.60	10.68	...	...
BHAGULPORE	Monghyr	1	3,339	344	...	4	10.92	22.56	21.96	...	6.60
	Bhagulpore	...	4,541	502	...	...	...	30.84	32.40	...	...
	Purneah	...	6,220	3,886	...	...	...	69.24	60.36	...	...
	Maldah	...	825	629	...	...	...	26.04	22.80	...	...
	Sonthal Pergunnahs	2	1,391	179	...	843	7.80	19.68	19.68	...	16.56
ORISSA	Cuttack	2	2,768	53	...	...	10.20	17.76	13.32	...	...
	Pooree	2	1,406	19	...	...	29.28	19.20	16.20	...	...
	Balasore	...	1,482	22	...	...	...	19.32	11.04	...	...
CHOTA NAGPORE.	Hazaribagh	...	1,959	210	...	157	...	25.32	23.64	...	25.68
	Lohardugga	77	1,308	166	...	1,523	25.44	18.00	25.68	...	29.16
	Singbhum	3	669	4	...	...	12.00	17.88	20.52	...	...
	Manbhum	2	1,975	110	...	110	43.44	24.96	29.04	...	19.92
	TOTAL FOR THE PROVINCE.	178	80,743	42,003	122	2,929	21.96	22.56	23.64	18.36	21.00

Age (column 12): Deaths.

Divisions.	Districts.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
BURDWAN	Burdwan	420	187	103	73	138	270	230	190	176	264
	Bankura	268	145	78	47	84	136	104	103	95	195
	Birbhum	410	151	51	44	59	113	128	117	90	185
	Midnapore	788	626	340	188	250	517	414	465	341	556
	Hughli	130	68	57	36	54	94	113	146	105	124
	Serampore	91	73	47	21	29	50	48	58	47	106
	Total (Hughli including Serampore).	241	141	104	57	83	144	161	202	152	230
	Howrah	236	138	58	32	47	101	91	81	72	168
PRESIDENCY	24-Pergunnahs	310	334	164	84	129	224	201	190	119	317
	Nuddea	509	735	404	216	183	295	280	245	224	411
	Jessore	371	540	324	197	231	338	353	329	255	389
	Murshidabad	313	203	138	92	86	134	144	153	153	281
	Khulna	178	197	142	98	111	186	184	153	117	220
RAJSHAHYE	Dinajpur	437	381	277	228	345	679	570	428	217	363
	Rajshahye	417	264	225	136	214	308	314	255	148	197
	Rungpore	503	627	737	670	824	1,565	1,488	961	540	601
	Bogra	208	128	111	61	73	153	159	120	90	114
	Pubna	349	575	313	123	137	190	205	203	121	301
	Darjiling	53	104	50	48	49	112	80	51	22	45
	Julpaiguri	342	309	308	254	301	676	580	445	302	375
DACCA	Dacca	439	450	251	124	139	274	243	215	185	402
	Faridpore	288	432	237	124	114	209	209	182	209	286
	Backerganj	758	795	406	257	200	341	320	279	235	507
	Maimansing	491	687	509	308	304	568	526	534	447	563
CHITTAGONG	Chittagong	342	420	253	108	108	207	138	134	112	255
	Noakhali	245	459	213	122	74	156	119	74	98	215
	Tipperah	293	280	187	119	169	270	212	162	147	241
PATNA	Patna	602	505	202	124	65	215	206	187	230	426
	Gya	583	618	200	150	121	276	286	286	243	440
	Shahabad	445	563	293	157	121	388	331	317	267	462
	Muzufferpore	346	410	261	143	104	240	271	254	307	454
	Durbhanga	484	954	429	209	155	544	428	407	324	551
	Sarun	495	597	293	160	138	393	364	304	282	676
	Chumparun	246	257	120	75	64	162	173	212	167	310
BHAGULPORE	Monghyr	676	771	296	146	104	309	248	302	307	529
	Bhagulpore	676	819	443	295	225	655	567	512	374	477
	Purneah	424	959	1,060	892	857	1,768	1,547	1,202	706	691
	Maldah	176	255	144	78	95	161	161	103	109	168
	Sonthal Pergunnahs	428	384	204	125	125	241	254	206	177	271
ORISSA	Cuttack	707	407	176	94	161	259	274	172	224	349
	Pooree	381	180	67	36	53	143	100	117	97	253
	Balasore	459	133	79	52	67	124	157	130	131	192
CHOTA NAGPORE.	Hazaribagh	583	397	153	106	71	174	212	202	173	265
	Lohardugga	733	429	238	182	164	276	273	227	231	32
	Singbhum	113	103	50	28	34	58	54	68	79	89
	Manbhum	500	352	16	102	126	182	185	190	189	211
	TOTAL FOR THE PROVINCE.	18,309	18,554	10,854	6,971	7,297	14,644	13,549	11,670	9,319	14,808

Age (column 13): Ratio per 1,000 of population per annum.

Divisions.	Districts.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
BURDWAN	Burdwan	161.52	17.04	7.32	6.48	13.44	12.60	12.36	14.88	21.72	39.84
	Bankura	117.00	14.28	6.12	5.16	10.68	9.12	8.52	12.84	19.24	42.00
	Birbhum	322.80	22.56	6.00	6.48	10.56	9.96	12.48	18.20	19.80	48.00
	Midnapore	149.28	27.36	11.76	9.12	23.08	13.80	14.52	23.76	23.56	48.72
	Hughli	106.08	13.80	0.96	6.9	10.80	8.64	12.6	23.16	26.28	40.20
	Serampore	108.96	27.48	16.68	8.16	11.04	8.40	9.84	16.44	22.20	63.28
	Total (Hughli including Serampore).	107.16	18.60	12.12	7.32	10.92	8.64	11.64	20.76	24.84	48.84
	Howrah	132.04	24.36	8.68	6.24	9.84	9.96	11.52	15.96	22.92	51.96
PRESIDENCY	24-Pergunnahs	84.36	20.88	8.76	6.24	11.28	8.64	9.60	14.28	14.76	37.68
	Nuddea	160.20	43.44	19.08	15.00	18.00	13.44	14.76	17.64	24.96	47.16
	Jessore	86.40	26.16	13.32	12.00	18.72	12.36	15.96	20.40	24.36	39.36
	Murshidabad	134.76	24.84	9.12	9.00	10.44	7.80	9.84	14.76	23.76	43.32
	Khulna	77.04	18.48	11.16	10.68	13.80	11.64	14.76	18.36	22.56	42.24
RAJSHAHYE	Dinajpur	149.76	26.28	13.08	18.12	35.40	31.56	30.24	32.52	32.52	59.80
	Rajshahye	159.72	25.32	12.36	12.12	24.60	15.96	19.56	23.88	24.00	31.92
	Rungpore	117.72	31.32	28.20	40.32	64.80	53.52	53.04	54.12	49.32	65.52
	Bogra	162.24	15.84	10.92	10.08	14.64	14.64	18.12	21.84	29.52	36.96
	Pubna	115.68	38.40	17.88	11.64	17.40	11.16	13.56	20.04	19.80	41.52
	Darjiling	203.16	76.68	32.16	36.72	44.40	38.40	37.32	44.64	36.36	77.40
	Julpaiguri	254.04	53.64	41.64	49.32	86.40	71.64	81.96	90.96	106.80	139.32
DACCA	Dacca	89.72	18.60	9.00	6.48	10.20	9.84	10.32	13.80	19.68	36.24
	Faridpore	85.20	24.12	11.88	8.52	11.28	9.36	11.16	13.92	25.44	34.92
	Backerganj	194.52	38.28	18.24	15.72	14.52	11.88	14.76	19.56	26.04	61.44
	Maimansing	78.96	20.04	12.12	12.00	14.64	13.32	15.12	24.24	34.32	39.36
CHITTAGONG	Chittagong	124.20	34.20	16.08	9.36	12.84	14.76	12.00	16.44	19.92	49.56
	Noakhali	126.24	49.08	19.32	16.32	12.72	12.48	13.44	12.60	25.32	60.00
	Tipperah	98.84	16.08	9.48	8.64	15.96	12.96	12.60	14.64	21.36	36.72
PATNA	Patna	174.84	28.56	10.44	8.76	6.84	8.76	9.60	11.88	21.96	39.72
	Gya	163.56	26.64	8.16	8.52	10.32	9.36	10.80	15.12	23.76	41.64
	Shahabad	118.92	27.72	12.84	9.24	11.28	14.04	13.20	19.20	26.64	43.68
	Muzufferpore	93.36	15.00	7.80	6.60	7.44	6.96	8.40	11.16	21.72	35.28
	Durbhanga	115.32	35.52	12.72	9.84	10.32	15.12	12.72	17.28	22.68	46.92
	Sarun	110.88	25.56	10.68	8.40	11.16	12.96	12.36	15.12	24.00	58.80
	Chumparun	66.72	15.12	5.88	5.04	6.60	6.72	7.56	14.16	19.20	38.88
BHAGULPORE	Monghyr	219.96	36.60	11.76	8.52	9.12	11.88	10.20	17.64	30.24	56.04
	Bhagulpore	220.08	42.60	17.04	16.68	19.08	23.40	22.32	32.16	41.40	59.76
	Purneah	131.52	53.88	43.68	56.16	75.12	68.04	63.48	76.68	84.48	89.16
	Maldah	107.28	36.60	15.84	12.72	18.96	16.44	19.80	18.36	34.56	46.68
	Sonthal Pergunnahs	164.40	20.16	8.40	8.16	13.20	12.48	12.24	18.12	27.00	42.12
ORISSA	Cuttack	225.84	21.48	7.80	5.76	14.16	10.20	13.68	12.84	23.28	37.08
	Pooree	300.60	18.96	6.24	4.80	9.48	10.80	9.36	16.68	19.68	61.44
	Balasore	268.08	13.92	6.72	6.00	10.92	9.60	12.36	16.80	28.56	46.44
CHOTA NAGPORE.	Hazaribagh	201.36	30.12	9.72	10.80	11.16	11.52	15.24	25.44	37.44	73.08
	Lohardugga	206.40	21.48	10.56	12.00	17.04	12.48	14.52	20.52	36.36	59.40
	Singbhum	155.16	20.04	8.04	6.48	10.68	9.24	10.08	20.88	43.12	54.72
	Manbhum	209.64	30.24	10.56	11.40	16.56	12.96	15.12	26.16	40.08	48.60
	TOTAL FOR THE PROVINCE.	141.84	27.24	13.08	12.36	17.40	15.84	17.04	21.96	28.68	47.88

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 1st August 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 18th July 1891.

Births.

The total births registered during the week ending with Saturday, the 18th July 1891, in twenty-seven principal towns of Bengal, amounted to 398, and correspond to an annual rate of 19·3 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is ·3 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years except 1886 and 1889, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	21·2	16·8	19·2	22·3	18·9	19·6	19·3

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending— 27th June 1891.	4th July 1891.	11th July 1891.	18th July 1891.
Burdwan	24·4	25·9	22·9	19·8
Midnapore	18·6	15·5	15·5	15·5
Hughli and Chinsurah	29·5	14·8	23·0	31·2
Serampore	21·6	25·5	25·5	27·5
Utterpara	28·3	18·9	28·3	9·4
Howrah	11·5	14·3	18·3	17·2
Bali	14·0	17·5	14·0	10·5
Krishnagar	11·4	18·9	9·5	7·6
Ranaghat	6·0	12·0	6·0	6·0
Santipore	17·5	14·0	12·3	19·3
Jessore	...	6·1	12·2	6·1
Rampore Beauleah	15·8	15·8	7·9	15·8
Darjiling	29·6	7·4	29·6	22·2
Dacca	13·0	6·5	8·4	10·4
Naraingunj	20·7	20·7	20·7	16·6
Chittagong	11·7	16·4	7·0	16·4
Comillah	11·6	19·3	7·7	42·4
Patna City	12·3	7·5	12·7	9·4
Gya	23·9	19·1	22·5	27·3
Arrah	27·5	15·6	14·4	15·6
Mozufferpore	28·0	20·7	15·8	29·2
Durbhanga	22·8	22·0	22·0	23·6
Chupra	22·1	15·1	10·1	36·2
Bhagulpore	14·5	12·2	22·9	14·5
Monghyr	35·3	20·8	28·9	34·4
Purneah	3·4	3·4	10·4	10·4
Poori	24·1	21·0	29·4	25·2
Total ...	18·6	15·5	17·0	19·3

It will be seen that last week the highest birth-rate was returned from Comillah (42·4) and the lowest from Ranaghat (6·).

Deaths.

The total deaths registered during the week under review amounted to 545, and correspond to an annual rate of 26·4 per 1,000 of the population. The rate of the week is 1·8 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years except 1887 and 1889, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	24·6	26·9	19·9	29·8	21·8	24·6	26·4

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending— 27th June 1891.	4th July 1891.	11th July 1891.	18th July 1891.
Burdwan	48·8	10·7	33·0	21·4
Midnapore	9·3	18·6	18·6	13·9
Hughli and Chinsurah	45·9	23·0	21·3	23·0
Serampore	41·2	25·5	27·5	41·2
Utterpara	18·9	18·9	28·3	28·3
Howrah	18·3	15·5	9·7	18·9
Bali	21·1	14·0	21·1	10·5
Krishnagar	17·0	5·7	13·2	1·9
Ranaghat	12·0	6·0	...	...
Santipore	1·7	3·5	...	1·7
Jessore	18·4	...	6·1	...
Rampore Beauleah	36·9	13·8	34·2	15·8
Darjiling	96·3	44·5	140·8	66·7
Dacca	14·3	18·2	17·5	15·6
Naraingunj	4·1	8·3	29·0	8·3
Chittagong	14·1	18·8	18·8	16·4
Comillah	30·8	23·1	19·3	19·3
Patna City	27·3	19·4	27·6	17·2
Gya	79·9	46·5	51·9	56·0
Arrah	28·7	67·3	20·9	28·9
Mozufferpore	21·9	20·7	23·1	52·3
Durbhanga	35·4	26·7	26·0	44·1
Chupra	45·3	36·2	31·2	37·2
Bhagulpore	40·4	43·4	41·9	32·0
Monghyr	34·4	28·9	33·4	34·4
Purneah	6·9	6·9	13·9	17·3
Poori	33·6	14·7	35·7	35·7
Total ...	31·4	25·0	27·0	26·4

According to the figures returned, the highest mortality occurred in the town of Darjiling (66·7) and the lowest in Santipore (1·7). No deaths were registered during the week in the Ranaghat and Jessore towns.

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per mille.	*Small-pox.*	Ratio per mille.	*Fevers.*	Ratio per mille.	*Dysentery and diarrhœa.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Gya	... 19·1	Mozufferpore	4·9	Darjiling	37·0	Darjiling ...	22·2	Poori ...	18·9
Mozufferpore	... 18·2					Mozufferpore	9·7	Gya ...	17·0
Bhagulpore	... 12·9							Durbhanga	16·5
Chupra	... 10·1							Chupra ...	16·1
Arrah	... 8·4							Mozufferpore	10·9
Patna City	... 7·8							Monghyr ...	10·8
Durbhanga	... 5·5								
Monghyr	... 3·6								
Howrah	... 3·4								

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 6· from cholera, against 6·9 in the preceding week; ·4 from small-pox, against ·6; 9· from fever, against 9·7; 2·9 from dysentery and diarrhœa, against 2·6; ·4 from injury, against the same ratio; and 7·7 from other causes, against 6·7 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows :—

According to Sex.	Ratio per mille.	*According to Class.*	Ratio per mille.	*According to Age.*	Ratio per mille.
Males	27·6	Christians ...	14·9	Under 1 year	... 229·2
Females	25·2	Hindus ...	29·2	1 and under 5 years	... 48·1
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	109	Mahomedans ...	19·7	5 „ 10 „	.. 27·0
				10 „ 15 „	... 15·5
				15 „ 20 „	... 12·1
				20 „ 30 „	... 11·9
				30 „ 40 „	.. 17·0
				40 „ 50 „	... 14·4
				50 „ 60 „	... 25·9
				60 years and upwards	... 45·4

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 3rd August 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 18th July 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of population per annum.			Ratio of male births to every 100 female births.	MORTALITY ACCORDING TO— Disease. Deaths from—							Disease. Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the previous week.	Sex. Deaths.		Sex. Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*		Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*		Males.	Females.	Males.	Females.	
Burdwan ...	Burdwan	18,063	16,017	34,080	6	7	*13*	9·1	10·7	*19·8*	85	1	...	3	3	3	4	*14*	1·5	...	4·6	4·6	4·6	6·1	[illegible]	33·6	11	3	31·7	9·7	326
Midnapore ...	Midnapore ..	16,927	16,633	33,560	4	6	*10*	6·2	9·3	*15·5*	66	...	...	3	2	...	4	*9*	...	...	4·6	3·1	...	6·2	*13·9*	18·6	6	3	18·4	9·4	195
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	13	6	*19*	21·3	9·8	*31·2*	216	...	...	8	1	1	4	*14*	...	...	13·1	1·6	1·6	6·6	*23·0*	21·3	6	8	19·7	26·3	75
Serampore ...	Serampore ...	13,559	12,937	26,496	7	7	*14*	13·7	13·7	*27·5*	100	2	...	10	4	...	5	*21*	3·9	...	19·6	7·9	...	9·8	*41·2*	27·5	15	6	57·5	24·1	239
	Utterpara	3,046	2,464	5,510	...	1	*1*	...	9·4	*9·4*	No male birth.	1	...	1	1	...	...	*8*	9·4	...	9·4	9·4	...	...	*28·3*	28·3	2	1	34·1	21·1	161
Howrah ...	Howrah	53,153	37,660	90,813	16	14	*30*	9·2	8·0	*17·2*	114	6	...	9	4	...	14	*33*	3·4	...	5·2	2·3	...	8·0	*18·9*	9·7	17	16	16·6	22·1	75
	Bali	7,836	6,979	14,815	3	...	*3*	10·5	...	*10·5*	No female birth.	1	...	2	...	..	...	*3*	3·5	...	7·0	...	...	...	*10·5*	21·1	2	1	13·3	7·5	177
Nuddea ...	Krishnagar ..	13,263	14,214	27,477	4	...	*4*	7·6	...	*7·6*	Ditto.	...	...	1	...	...	...	*1*	...	...	1·9	...	...	...	*1·9*	13·2	...	1	..	3·7	No male death.
	Ranaghat	4,028	4,655	8,683	1	...	*1*	6·0	...	*6·0*	Ditto.	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	......
	Santipore	13,708	15,979	29,687	5	6	*11*	8·8	10·5	*19·3*	83	...	...	1	...	...	...	*1*	...	...	1·7	...	...	...	*1·7*	...	1	...	3·8	...	No female death.
Jessore ...	Jessore	4,830	3,665	8,495	...	1	*1*	...	6·1	*6·1*	No male birth.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6·1	...	...	...	...	......
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	4	2	*6*	10·5	5·3	*15·8*	200	...	...	4	1	...	1	*6*	...	...	10·5	2·6	..	2·6	*15·8*	34·2	4	2	19·3	11·5	167
Darjiling ...	Darjiling	4,579	2,439	7,018	2	1	*3*	14·8	7·4	*22·2*	200	...	...	5	3	...	1	*9*	...	..	37·0	22·2	...	7·4	*66·7*	140·8	5	4	56·8	85·3	66
Dacca ...	Dacca	42,782	37,379	80,161	8	8	*16*	5·2	5·2	*10·4*	100	1	...	8	4	...	11	*24*	·6	...	5·2	2·6	...	7·1	*15·6*	17·5	14	10	17·0	13·9	122
	Narainganj ...	7,605	4,956	12,561	1	3	*4*	4·1	12·4	*16·6*	33	...	...	1	...	...	1	*2*	...	..	4·1	...	...	4·1	*8·3*	29·0	1	1	6·3	10·5	65
Chittagong ...	Chittagong ...	13,340	8,790	22,130	4	3	*7*	9·4	7·0	*16·4*	133	...	...	3	...	...	4	*7*	...	...	7·0	.	...	9·4	*16·4*	18·8	6	1	23·4	5·9	396
Tipperah ...	Comillah	8,153	5,353	13,506	4	7	*11*	15·4	27·0	*42·4*	57	...	...	3	...	...	2	*5*	...	...	11·6	...	...	7·7	*19·3*	19·3	3	2	19·1	19·4	98
Patna	Patna City ...	78,762	81,475	160,237	15	14	*29*	4·9	4·5	*9·4*	107	24	...	13	6	...	10	*53*	7·8	...	4·2	1·9	...	3·2	*17·2*	27·6	23	30	15·2	19·1	79
Gya	Gya	38,290	37,831	76,121	20	20	*40*	13·6	13·6	*27·3*	100	28	2	26	...	1	25	*82*	19·1	1·4	17·8	...	·7	17·0	*56·0*	51·9	36	46	48·9	63·2	77
Shahabad ...	Arrah	20,960	22,505	43,465	4	9	*13*	4·8	10·8	*15·6*	44	7	1	10	1	...	1	*20*	8·4	1·2	11·9	1·2	...	1·2	*23·9*	29·9	12	8	29·8	18·5	161
Mozufferpore .	Mozufferpore ...	23,084	19,658	42,742	15	9	*24*	18·2	10·9	*29·2*	166	15	4	7	8	...	9	*43*	18·2	4·9	8·5	9·7	...	10·9	*52·3*	23·1	17	26	35·3	68·8	56
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	13	17	*30*	20·2	13·4	*23·6*	76	7	1	21	6	...	21	*56*	5·5	·8	16·5	4·7	...	16·5	*44·1*	26·0	33	23	50·8	37·0	137
Sarun	Chupra	25,116	26,554	51,670	20	16	*36*	20·1	16·1	*36·2*	125	19	...	6	3	3	16	*37*	10·1	...	5·0	3·0	3·0	16·1	*37·2*	31·2	23	14	47·6	27·4	174
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	9	10	*19*	6·9	7·6	*14·5*	90	17	...	16	4	1	4	*42*	12·9	...	12·2	3·0	·8	3·0	*32·0*	41·9	22	20	32·8	31·2	105
Monghyr ...	Monghyr	28,154	29,366	57,520	17	21	*38*	15·4	19·0	*34·4*	81	4	...	17	5	...	12	*38*	3·6	...	15·4	4·5	...	10·8	*34·4*	33·4	21	17	38·8	30·1	128
Purneah ...	Purneah	8,463	6,553	15,016	2	1	*3*	6·9	3·5	*10·4*	200	...	..	5	...	...	...	*5*	...	...	17·3	...	...	...	*17·3*	13·9	4	1	24·6	7·9	311
Poori	Poori	13,247	11,537	24,784	7	5	*12*	14·7	10·5	*25·2*	140	...	...	4	4	...	9	*17*	...	...	8·4	8·4	...	18·9	*35·7*	35·7	11	6	43·2	27·0	160
	Total ..	556,262	516,097	1,072,359	204	194	*398*	9·9	9·4	*19·3*	105	124	8	186	60	9	158	*545*	6·9	·4	9·0	2·9	·4	7·7	*26·4*	27·0	295	250	27·6	25·2	109

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	12	2	...	...	...	26·3	10·1	...	.	1	2	...	...	1	3	2	5	...	.	78·8	46·1		...	16·6	10·7	15·1	58·9	...	...
Midnapore ...	Midnapore	...	9	...	...	...	...	18·0	...	...	..	1	...	1	...	...	1	...	1	1	4	70·0	...	13·9	.	...	7·1	...	14·0	25·2	11·7
Hughli ...	Hughli and Chinsurah	...	11	3	...	...	...	22·6	25·3	...	...	3	...	3	...	...	1	4	...	2	1	194·3	...	54·1	...	...	8·4	3[illegible]·4	...	40·[illegible]	25·1
Serampore ...	Serampore	...	17	4	...	.	..	35·0	221·7	...	...	4	1	...	1	...	6	5	2	...	2	293·[illegible]	28·8	...	23·4	..	57·9	52·3	30·8	...	74·[illegible]
	Utterpara ...	...	3	...	...	...	..	29·3	...	..	...	2	...	...	...	...	...	...	1	...	...	646·0	.	...	...	...	...	..	74·2	...	...
Howrah ...	Howrah ...	1	30	2	...	...	27·5	22·9	5·1	..	...	3	3	3	...	2	4	5	3	4	4	75·6	46·9	24·8	...	14·2	9·2	13·5	13·3	37·9	55·5
	Bali ...	...	3	...	...	..		11·6	...	...	...	1	...	...	...	...	...	...	...	...	2	143·6	...	...	...	..	...	...	...	...	142·1
Nuddea ...	Krishnagar ...	...	1	...	...	...	..	2·8	...	...	...	...	...	...	...	...	1	..	...	...	...	..	...	...	..	...	10·8	...	...	...	...
	Ranaghat ...	...	...	..	...	...	..	...	...	.	.	...	...	...	...	...	...	...	...	...	..	...	...	...	.	...	...	...	..	...	...
	Santipore ...	...	1	...	...	...	..	2·5	...	...	..	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	22·6	...
Jessore ...	Jessore ...	..	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	...	...
Rajshahye ...	Rampore Beauleah	...	4	3	...	...	...	21·0	10·6	...	...	2	...	...	...	...	...	1	1	1	1	236·2	...	...	...	...	...	14·4	21·2	41·9	54·8
Darjiling ...	Darjiling ...	...	9	...	...	...	...	101·9	...	...	...	1	4	1	1	...	1	1	...	...	...	429·8	323·5	88·9	106·6	...	26·0	36·3	...	...	...
Dacca ...	Dacca ...	...	16	8	...	...	...	20·6	10·6	...	...	5	3	1	3	1	3	2	1	1	4	137·0	21·2	5·2	19·6	7·1	10·2	8·9	6·2	11·0	37·3
	Narainganj ...	...	...	2	...	...	..	...	16·9	...	...	1	...	1	...	...	...	...	...	...	...	186·4	...	39·4	...	...	...	...	...	...	...
Chittagong ...	Chittagong ...	1	...	6	...	...	65·3	...	20·4	...	...	2	2	...	...	...	...	...	2	...	1	184·7	52·9	...	...	...	...	...	46·1	...	65·3
Tipperah ...	Comillah ...	...	2	3	...	...	..	17·5	21·1	...	...	2	1	...	1	..	...	1	...	...	...	350·2	39·8	...	35·6	...	...	26·1	...	...	...
Patna ...	Patna City ...	...	47	6	...	...	...	20·5	7·6	...	...	10	5	4	7	5	2	7	4	5	4	120·6	17·6	12·4	25·3	23·3	3·6	15·7	11·6	18·4	15·1
Gya ...	Gya ...	...	64	18	...	...	...	55·4	58·2	...	...	15	19	8	2	2	8	8	2	8	10	435·8	155·5	59·5	15·5	19·9	28·3	32·7	10·6	63·3	101·0
Shahabad ...	Arrah ...	...	15	2	...	...	...	30·2	8·4	...	...	2	2	9	...	1	...	1	2	..	3	80·7	23·5	91·2	...	16·2	...	8·1	22·2	...	54·1
Mozufferpore ...	Mozufferpore ...	...	39	4	...	...	...	67·5	16·7	...	...	11	13	4	3	1	2	5	...	1	3	599·0	167·3	46·2	39·4	17·2	12·1	37·3	...	16·6	64·1
Durbhanga ...	Durbhanga ...	...	35	21	...	...	...	37·6	62·2	...	...	17	14	8	4	...	4	2	3	1	3	567·3	95·7	53·2	37·4	...	15·6	9·3	21·0	11·9	48·8
Sarun ...	Chupra ...	...	32	5	...	...	...	42·0	21·8	...	...	6	7	6	4	3	1	4	1	2	3	221·1	70·5	53·4	41·5	44·9	5·1	26·7	8·6	25·2	45·9
Bhagulpore ...	Bhagulpore ...	...	24	18	...	...	...	25·5	49·6	...	...	8	5	7	1	1	5	5	2	3	5	289·9	46·1	51·5	7·2	10·5	19·9	23·7	13·6	30·6	60·4
Monghyr ...	Monghyr ...	...	33	5	...	...	..	38·4	20·7	...	...	11	4	1	2	2	5	4	3	3	3	385·2	33·4	7·4	11·1	27·5	25·1	25·3	24·5	39·2	43·6
Purneah ...	Purneah ...	...	4	1	...	...	...	22·7	9·2	...	...	...	...	1	...	...	2	...	1	1	...	...	...	32·9	...	...	31·7	...	28·0	55·5	...
Poori ...	Poori ...	...	17	...	...	...	...	36·0	...	...	...	5	...	...	...	...	...	1	1	5	5	559·1	...	...	...	...	...	12·8	15·6	116·5	144·9
	TOTAL ...	2	461	112	[illegible]	...	14·9	29·2	19·7	...	...	113	87	58	29	19	49	68	35	39	58	229·2	48·1	27·0	15·5	12·1	11·9	17·0	14·4	25·9	45·4

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 3rd August 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1891-92.

Areas leased for irrigation up to the end of May 1891.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of areas leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugarcane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1891-92. During month.	Rainfall, 1891-92. Up to end of month.	Rainfall, 1890-91. During month.	Rainfall, 1890-91. Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	Inches.	Inches.	
Orissa	Cuttack	Taldunds, 1st reach ...	1,342	Canals closed for repairs.	Canals closed for repairs.	90	......	......	9,618	......	......	......	......	......	......	9,618	4·20	4·20	2·10	2·10	
		Ditto, 2nd " ...	556																		
		Machgong	776			46	......	......	27,710	......	......	......	......	......	......	27,710	3·57	3·57	1·40	1·40	
		Kendrapara	1,067			1,024	108	......	44,671	......	......	......	......	......	......	44,671	5·05	5·05	2·00	2·00	
		Gobri	372·82			52	21	......	3,057	......	......	......	......	......	......	3,057	2·84	2·84	2·45	2·45	
		Do. extension	648			20	......	......	3,418	......	......	......	......	......	......	3,418	3·61	3·61	3·70	3·70	
		Patamoondi	885			18	......	......	12,127	......	......	......	......	......	......	12,127		No gauge.			
		High Level, Range I ...	688			5	279	......	20,732	......	......	......	......	......	......	20,732		No gauge.			
		Ditto, ditto II ...	727·16			......	......	......	2,151	......	62	......	......	......	62	2,213	2·00	2·00	4·25	4·65	
	Balasore ...	Ditto, ditto III ...	727·16			55	136	......	37,422	......	......	139	......	......	139	37,561	6·24	6·41	4·09	4·54	
		Total ...	......	......	......	1,310	544	......	160,906	......	62	139	......	......	201	161,167	......	......	......	......	
		Total of the corresponding period of last year ..	......	......	......	......	......	......	157,183	......	20	127	......	......	147	157,330	......	......	......	......	
South-Western.	Midnapore ...	Midnapore	1,411	66	......	......	......	......	74,365	......	......	......	......	......	......	74,365	7·29	7·29	5·71	6·23	Fifteen days discharging.
		Panchkoorah	522	2	......	......	......	......	4,963	......	......	......	......	......	......	4,963	6·46	6·66	7·41	7·41	Three days discharging.
	Howrah ...	Tidal reaches, Ranges I-II	......	......	......	......	......	......	376	......	......	......	......	......	......	376	......	......	......	......	
		Total ...	......	......	......	......	......	......	79,704	......	......	......	......	......	......	79,704	......	......	......	......	
		Total of the corresponding period of last year	......	......	......	......	......	......	66,981	......	......	......	......	......	......	66,981	......	......	......	......	
Sone ...	Shahabad ..	Western Main	4,342	1,114	Nil	272	527	12,682	......	......	......	102	......	144	246	12,928	0·29	0·29	0·83	0·84	
		Buxar ...	[illegible]	314	226	[illegible]	3,075	48,678	......	......	......	114	......	2,359	2,473	51,151					
		Arrah	[illegible]	[illegible]	514	[illegible]	17,712	75,684	......	......	......	543	......	6,859	7,382	83,[illegible]	1·15	1·15	1·67	1·70	
	Patna and Gya.	Eastern Main	1,466	*	*	3	8	[illegible]	......	......	......	8	......	......	8	[illegible]	2·55	2·55	3·37	3·37	* Canal closed. Reopened on 30th May. Average discharge of 30th and 31st 163 cubic feet per second.
		Patna				255	477	34,107	......	......	......	277	......	......	277	34,384					
		Total ..	......	......	......	[illegible]	21,799	172,085	......	......	......	1,041	......	9,342	10,386	182,471	......	......	......	......	
		Total of the corresponding period of last year ..	......	......	......	......	......	191,058	......	......	......	3,791	......	8,090	11,881	202,939	......	......	......	......	
		Grand Total ..	......	......	..	21,263	22,343	172,085	240,610	......	62	1,183	......	9,342	10,587	423,282	......	......	......	......	
		Grand Total of the corresponding period of last year ...	......	......	......	......	......	191,058	224,164	......	20	3,918	......	8,090	12,028	427,250	......	......	......	......	

CALCUTTA,

The 4th August 1891.

G. A. G. SHAWE,

Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Minor Works and Navigation for the month of May 1891, *as compared with that of the corresponding month of the previous year.*

CANALS.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals	15,186	15	0	37,052	10	6	18,334	14	0	34,120	15	3
Tolly's Nullah ...	8,320	2	3	18,973	6	6	8,631	13	9	17,113	8	6
Total ...	23,507	1	3	56,026	1	0	26,966	11	9	51,234	7	9
Orissa Coast Canal ...	4,015	1	9	10,489	11	6	5,643	8	3	11,817	3	0
Nuddea Rivers ...	7,319	15	0	16,314	10	6	6,565	13	0	12,941	8	0
GRAND TOTAL ...	34,842	2	0	82,830	7	0	39,176	1	0	75,893	2	9

CALCUTTA,
The 4th August 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 1st August 1891, *as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 1ST AUGUST 1891.			WEEK ENDING SATURDAY, THE 2ND AUGUST 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	300	1,05,155	1,046	307	59,530	848
Jute	15	8,450	120	11	3,700	72
Firewood	85	45,550	669	94	45,625	685
Other articles	680	1,73,450	2,416	670	1,88,630	2,337
Total ...	1,080	3,32,605	4,251	1,082	2,97,485	3,942

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the week ended 25th July 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	252,387	2,54,005 12 0	22,89,193 20	5,25,034 2 0	18,826 13 0	7,98,766 11 0	72,095½	95,330	167,431½
Or per mile of railway	......	167 1 6	.....	344 2 9	12 5 6	523 9 9	......	......	......
For previous 3 weeks of half-year	698,689	6,84,078 11 0	64,27,387 30	15,70,328 8 0	47,741 14 0	23,02,149 1 0	186,805½	278,701	465,506½
Total for 4 weeks ...	951,076	9,38,084 7 0	87,16,581 10	20,95,362 10 0	66,568 11 0	31,00,915 12 0	258,901	374,040	632,941
Comparison.									
Total for corresponding week of previous year	246,103	2,36,271 1 2	18,05,746 30	4,03,364 13 11	15,901 2 4	6,55,537 1 5	65,237	74,524	139,76
Per mile of railway corresponding week of previous year ...	......	154 14 1	......	264 6 8	10 0 9	429 11 6	......	......	......
Total to corresponding date of previous year	877,531	8,82,260 8 8	69,97,933 30	15,74,677 11 6	62,439 7 7	25,19,377 11 9	240,747	296,449	537,19

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 25th July 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,366	5,131 12 0	59,825 20	3,743 9 0	50 0 0	8,925 5 0	1,007	708	1,710
Or per mile of railway	181½	89 11 5	1,045 20	65 7 2	0 14 0	156 0 7	......	......	......
For previous 3 weeks of half-year	26,674	13,180 6 0	1,76,746 0	10,141 14 0	139 0 0	23,461 4 0	2,574	1,986	4,560
Total for 4 weeks ...	37,040	18,312 2 0	2,36,571 20	13,885 7 0	189 0 0	32,386 9 0	3,581	2,689	6,270
Comparison.									
Total for corresponding week of previous year	11,095	5,768 1 7	48,045 0	2,603 8 0	55 10 9	8,432 4 4	982	614	1,596
Per mile of railway corresponding week of previous year ...	194	100 13 5	840 0	45 9 8	0 15 7	147 6 8	......	......	......
Total to corresponding date of previous year	40,308	20,655 11 2	1,68,010 30	9,636 5 0	171 3 6	30,463 3 8	3,437	2,643	6,080

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 25th July 1891, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	21,969	5,110 9 0	4,437 30	171 14 0	12 0 0	5,294 7 0	900	68	968
Or per mile of railway	......	229 11 0	......	7 11 7	0 8 8	237 15 8	......	......	......
For previous 3 weeks of half-year	54,715	13,022 12 0	14,780 30	401 14 0	33 0 0	13,547 10 0	2,388	186	2,574
Total for 4 weeks ...	76,084	18,133 5 0	19,207 20	663 12 0	45 0 0	18,842 1 0	3,288	254	3,542
Comparison.									
Total for corresponding week of previous year	16,601	3,973 6 4	4,352 10	158 8 0	6 13 0	4,438 11 4	936	32	968
Per mile of railway corresponding week of previous year ...	......	178 9 3	......	7 2 0	0 4 11	186 0 2	......	......	......
Total to corresponding date of previous year	70,695	16,957 9 8	16,782 10	597 5 0	21 13 0	17,576 11 8	3,420	166	3,586

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for the week ended 25th July 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	13,947	9,053 13 0	45,863 0	8,108 10 0	65 0 0	17,227 7 0	6,547½	1,582	8,120½
Or per mile of railway	......	55 14 3	......	50 0 10	0 0 5	106 5 6	......	......	......
For previous 3 weeks of half-year	44,303	28,912 4 0	1,07,449 10	18,781 4 3	180 0 0	47,903 8 3	17,385	3,804½	21,189½
Total for 4 weeks	58,250	37,965 1 0	1,53,312 10	26,880 14 3	245 0 0	65,130 15 3	23,932½	5,386½	29,319
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 25th July 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	157,819	65,710 0 0	4,53,564 0	1,04,340 0 0	10,610 0 0	1,80,660 0 0	25,500	30,178	55,678
Or per mile of railway	203	85 0 0	584 0	134 0 0	* 3 0 0	221 0 0	......	......	......
For previous 3 weeks of half-year	423,657	1,77,810 0 0	11,77,297 0	2,12,670 0 0	31,470 0 0	4,21,950 0 0	66,600	69,248	135,818
Total for 4 weeks	581,476	2,43,520 0 0	16,30,861 0	3,17,010 0 0	42,080 0 0	6,02,610 0 0	92,100	99,426	191,526
Comparison.									
Total for corresponding week of previous year	132,168	54,788 0 0	5,70,080 0	1,33,233 0 0	13,685 0 0	2,01,706 0 0	25,011	31,029	56,040
Per mile of railway corresponding period of previous year	173	72 0 0	747 0	175 0 0	* 2 0 0	249 0 0	......	......	......
Total to corresponding date of previous year	553,896	2,30,160 0 0	18,70,019 0	3,64,526 0 0	55,198 0 0	6,49,884 0 0	93,020	105,387	198,407

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 25th July 1891, on 126 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	27,634	10,090 0 0	45,408 0	3,220 0 0	50 0 0	13,360 0 0	3,772	1,961	5,733
Or per mile of railway	221	81 0 0	363 0	26 0 0	.. ...	107 0 0	......	......	......
For previous 3 weeks of half-year	71,208	25,520 0 0	87,139 0	6,540 0 0	260 0 0	32,320 0 0	9,785	5,087	14,872
Total for 4 weeks	98,842	35,610 0 0	1,32,547 0	9,760 0 0	310 0 0	45,680 0 0	13,557	7,048	20,605
Comparison.									
Total for corresponding week of previous year	26,131	8,850 0 0	32,042 0	2,232 0 0	400 0 0	11,482 0 0	3,722	1,950	5,672
Per mile of railway corresponding period of previous year	209	71 0 0	256 0	18 0 0	3 0 0	92 0 0	......	......	......
Total to corresponding date of previous year	108,242	34,334 0 0	1,40,013 0	8,135 0 0	803 0 0	43,272 0 0	13,849	7,248	21,097

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 25th July 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	15,372	5,040 0 0	6,280 0	510 0 0	50 0 0	5,600 0 0	2,414	690	3,104
Or per mile of railway	179	59 0 0	73 0	6 0 0	......	65 0 0	......	......	......
For previous 3 weeks of half-year	42,673	12,290 0 0	17,548 0	1,560 0 0	290 0 0	14,140 0 0	6,414	1,710	8,124
Total for 4 weeks ...	58,045	17,330 0 0	23,828 0	2,070 0 0	340 0 0	19,740 0 0	8,528	2,400	11,228
Comparison.									
Total for corresponding week of previous year	14,219	4,405 0 0	12,234 0	1,003 0 0	215 0 0	5,713 0 0	2,414	690	3,104
Per mile of railway corresponding period of previous year	165	52 0 0	143 0	12 0 0	2 0 0	66 0 0	......	......	......
Total to corresponding date of previous year	53,690	17,114 0 0	42,576 0	3,647 0 0	2,477 0 0	23,238 0 0	9,001	2,561	11,562

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 25th July 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,440	1,230 0 0	6,156 0	310 0 0	20 0 0	1,560 0 0	573	572	1,145
Or per mile of railway	126	45 0 0	226 0	11 0 0	1 0 0	57 0 0	......	......	......
For previous 3 weeks of half-year	8,260	3,050 0 0	33,579 0	1,800 0 0	50 0 0	4,900 0 0	1,366	1,414	2,780
Total for 4 weeks ...	11,709	4,280 0 0	39,735 0	2,110 0 0	70 0 0	6,460 0 0	1,939	1,986	3,925
Comparison.									
Total for corresponding week of previous year	2,710	1,040 0 0	8,390 0	431 0 0	7 0 0	1,478 0 0	546	599	1,145
Per mile of railway corresponding period of previous year ...	99	38 0 0	308 0	16 0 0	......	54 0 0	......	......	......
Total to corresponding date of previous year	12,038	4,514 0 0	52,635 0	2,875 0 0	81 0 0	7,470 0 0	2,029	2,222	4,251

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 18th July 1891, on 712 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 712 miles open	88,360	36,530	3,91,150	48,480	9,050	94,060	10,004	19,477	29,481
Or per mile of railway	124·10	51·31	549·37	68·09	12·71	132·11	......	......	......
For previous 1⅞ weeks of half-year	140,660	56,460	6,65,090	86,570	14,930	1,57,960	12,741	27,281	40,022
Total for 2⅞ weeks ...	229,020	92,990	10,56,240	1,35,050	23,980	2,52,020	22,745	46,758	69,503
Comparison.									
Total for corresponding week of previous year on 691 miles open	*a* 78,338	25,859	*a* 2,81,015	31,702	6,927	64,488	10,767	12,412	23,179
Per mile of corresponding week of previous year	109·11	37·42	406·68	45·88	10·02	93·32	......	......	......
Total to corresponding date of previous year	*a* 148,673	70,540	*a* 7,51,455	84,088	18,273	1,72,901	29,189	34,589	63,778

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 18th July 1891.	Week ending 19th July 1890.	Week ending 18th July 1891.	Week ending 19th July 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	18,100 0 0	14,188 0 0	18,430 0 0	11,671 0 0
Goods	26,150 0 0	18,696 0 0	22,330 0 0	13,036 0 0
Other earnings	5,710 0 0	4,578 0 0	3,340 0 0	2,319 0 0
Total ...	49,960 0 0	37,462 0 0	44,100 0 0	27,026 0 0

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CONTENTS.

ANNUAL RETURNS ON CHARITABLE DISPENSARIES IN BENGAL FOR THE YEAR 1890.

MUNICIPAL DEPARTMENT—MEDICAL.

Calcutta, the 7th August 1891.

RESOLUTION No. 1681.

READ—

The Annual Returns on the Charitable Dispensaries in Bengal for the year 1890.

Read also—

The Triennial Report on the Charitable Dispensaries in Bengal for the years 1887 to 1889, and the Resolution recorded upon it.

The statistics of the past year show an increase in the number of dispensaries as well as of patients treated in them. The total number of dispensaries at the close of the year was 265 against 255 in 1889, the increase being chiefly in class II—institutions managed by local bodies. Several institutions which are actually managed by local bodies are still included in class IIIB as institutions supported by subscriptions or endowments, but receiving aid from Government or local funds. Dr. Hilson drew attention to these in paragraph 12 of the last triennial report on dispensaries, and suggested that they should be transferred to local bodies. Specific proposals under this head were called for in the Resolution of 6th October 1890, reviewing the report, but the subject appears to have been lost sight of.

The total number of indoor and outdoor patients treated rose from 28,981 and 1,179,843 in 1889 to 29,660 and 1,239,850 respectively in 1890. In spite of this increase in the total number of indoor patients, the daily average fell from 1,292·305 to 1,287·626. The average daily attendance of out-patients rose from 8,440·453 to 8,841·17. The following dispensaries show a satisfactory increase in the number of indoor patients:—Gya, 595; Midnapore, 95; Chuprah, 86; Pooree, 74; Deoghur, 65; Comilla, 46; while a falling off is observed at Cuttack of 192, North Suburban Hospital 133, Purulia 92, and Motiharee 82.

Taking indoor and outdoor patients together, and comparing the Bengal statistics for 1890 with the returns of the North-Western Provinces and Assam for 1889, the last year for which figures are available, it appears that in Bengal only 17·9 per thousand of the population resorted to the dispensaries for treatment, while the proportion treated in the North-Western Provinces was 58·2 and in Assam 47·9. In his notes upon statement II, showing the number of indoor and outdoor patients, the Inspector-General of Civil Hospitals presents this fact in a somewhat different form, and suggests that the smaller attendance at dispensaries may be due to the inaccessibility of many dispensaries during the rains, to the number of private practitioners at work among the people, to the operation of rule 37 of the Dispensary Manual, which authorises the Medical Officer to exercise his discretion in refusing to supply medicines free of charge in ordinary cases where the applicant is not poor, and to the smaller amount of practical surgery. Of these various causes it seems probable that the number of private practitioners and the preference of the people in all but surgical cases for the methods of the kabiraj and the hakim are really those which contribute most largely to the result; but the question is obscure and difficult, and no confident opinion can be expressed until the surgical standard of Bengal dispensaries has been raised, and more inducement has been offered to the people to come in for treatment. Dr. Hilson is mistaken in saying that in 1889 the number of indoor patients treated in Bengal exceeded the number for the North-Western Provinces. The actual figures for that year were in Bengal 28,981, and in the North-Western Provinces 51,705.

2. There was a considerable increase in the number of patients treated for malarial fever, and the Inspector-General of Civil Hospitals infers from this that the year was more unhealthy than usual, an inference which is borne out by the increased mortality from fever and other diseases shown in the Annual Report of the Sanitary Commissioner. The proportion of persons suffering from fever to the total number treated in the year 1889 is incorrectly shown in the notes on statement No. III as 10·97, the correct figure being 19·2. The Lieutenant-Governor notices with satisfaction a considerable increase in the attendance of patients suffering from eye-diseases. On the other hand, the number of small-pox patients treated in the dispensaries was extraordinarily small. It appears from the Sanitary Commissioner's report that there were 12,619 deaths from small-pox in the province, but the attendance in hospitals and dispensaries for this disease was only 103; and the Lieutenant-Governor having recently visited Chittagong during an outbreak of small-pox observed that very few cases were brought for treatment to the special small-pox hospital attached to the dispensary at that station. In most cases a separate ward for the treatment of infectious diseases is provided, but it must be admitted that the aspect of these wards is not inviting.

3. The total number of major operations increased from 5,174 to 6,344. Adding to this number 235 major operation cases remaining under treatment at the close of the previous year, 5,244 cases were cured and 588 cases were relieved, while only 116 cases terminated fatally. The number of cataract cases shows a remarkable increase, from 896 to 1,686, the percentage of recovery in these cases being 80·6 as compared with 68·89 in 1889. The Inspector-General draws attention to the excellent work done at Gya by Surgeon-Major R. D. Murray, who during nine months of the year performed 838 operations, of which 571 were for cataract. In consequence of Dr. Murray's activity in practical surgery the number of indoor patients rose from 718 to 1,313, and of outdoor patients from 9,642 to 11,312, showing that the people are ready enough to take advantage of European surgical treatment when it is brought within their reach. Dr. ffrench-Mullen has also treated a large number of cataract cases at Rampore

Boalia. Notwithstanding this increase in the number of major operations, the statistics under this head for Bengal still compare unfavourably with the results obtained in the North-Western Provinces, where 17,152 major operations were performed in 1889, the last year for which returns have been issued.

4. The following table compares the different classes of patients treated during the year:—

1					2					3							
TOTAL TREATED DURING THE YEAR.					CLASS.					DAILY ATTENDANCE.							
					a	b	c	d	e	Average number.				Ratio per cent. of—			
Year.	Men.	Women.	Children.	Total.	Europeans.	Eurasians.	Mussulmans.	Hindus.	Other classes.	Men.	Women.	Children.	Total.	Men.	Women.	Children.	Total.
1889	712,002	189,980	306,842	1,208,824	697	3,135	373,006	808,959	23,027	5,759·172	1,589·243	2,384·313	9,732·758	59·17	16·33	24·5	100
1890	758,276	194,247	316,987	1,269,510	870	3,103	394,497	847,120	23,920	6,033·805	1,594·52	2,500·471	10,128·796	59·57	15·74	24·69	100

The proportion of females and children treated is very small—a fact attributed by the Inspector-General of Civil Hospitals to the insufficient arrangements at most of the dispensaries for separate treatment of the male and female patients. He will be requested, after making due enquiry to report what arrangements for the separate accommodation he would recommend. The Lieutenant-Governor conceives that more seclusion is required for female patients and for female relations attending on the sick, but proposals for the provision of such conveniences must be drawn up with strict reference to economy.

5. The total income of the dispensaries in Bengal increased from Rs. 4,73,332-15-1 to Rs. 5,07,583-2-11, and the total expenditure, including investments, from Rs. 4,37,095-3-9 to Rs. 4,74,853-15-6. The Lieutenant-Governor notices with satisfaction that the amount of subscriptions paid by native gentlemen has increased from Rs. 1,19,623 in 1889 to the creditable total of Rs. 1,45,981 in 1890. The percentage of income contributed by Government was remarkably small, being only 5·31, while in the North-Western Provinces and Assam in the year 1889 it was 51·95 and 31·96 respectively. The contribution of municipalities was 33·68 per cent. of total income as compared with 8·55 and 4·70, the figures for the North-Western Provinces and Assam respectively for 1889. The average cost of the daily diet of each patient during 1890 was 1 anna and 7·3 pies, and in 1889 it was 1 anna 7 pies, against 8 pies in the North-Western Provinces and 2 annas 4 pies in Assam. The corresponding figure for jails is only 1 anna, but the difference is sufficiently accounted for by the greater care necessary in the dieting of invalids.

ORDER.—Ordered that a copy of the Resolution, together with a copy of the report, be submitted to the Government of India, Home Department, for information.

Ordered also that a copy of the Resolution be forwarded to the Inspector-General of Civil Hospitals, and to all Commissioners of Divisions for information, and that the Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL REPORT ON EMIGRATION FROM THE PORT OF CALCUTTA TO THE BRITISH AND FOREIGN COLONIES FOR THE YEAR 1890.

GENERAL DEPARTMENT—COLONIAL EMIGRATION.

Calcutta, the 7th August 1891.

RESOLUTION.

READ—

The Annual Report on Emigration from the Port of Calcutta to the British and Foreign Colonies for the year 1890.

Administrative measures.

The only administrative change of any importance was the introduction by the Government of India of a new set of rules governing the provision of artificial ventilators on board of emigrant vessels. The effect of the new rules is to insist on an artificial ventilator which will be capable of supplying the between-decks with 500 cubic feet of air per adult per hour, and also of being worked either by steam or by hand. The insufficiency of the artificial ventilators with which some of the ships had been previously fitted had been strongly exemplified by the voyage of the *Elbe* in the year 1889 to the Dutch colony of Surinam. The vessel was fitted with a Thiers' ventilator, an apparatus dependent for its working on conditions of weather and sea, which had been found on previous voyages to have worked unsatisfactorily. The voyage on this occasion was a peculiarly stormy one, and it was necessary to keep the coolies under hatches for a considerable time, the result being much sickness and a mortality of 6·07 per cent. The Government of India have now notified, in addition to the rules above referred to, that the use of Thiers' ventilators will be proscribed after the month of October 1893. The increasing use of powerful steamers, especially those of the British India and the Anchor Line Companies, has since in several cases allowed of vessels being altogether exempted from the provisions as to artificial ventilators when travelling *vià* the Suez Canal or to Mauritius. The ordinary cowl-head and shaft ventilation has in such cases been decided to be fully sufficient.

2. The following table, gathered from various parts of the Protector's Report, shows in a succinct form the number of emigrants (1) demanded by the various colonies, (2) actually collected and registered by the sub-agents working under the orders of the Agents for those colonies, (3) despatched to and received in the Calcutta depôts, (4) embarked for the colonies :—

	Requisitioned.		Registered.		Arrived in depôt.		Embarked.	
	1889.	1890.	1889.	1890.	1889.	1890.	1889.	1890.
Demerara	3,170	5,000	5,470	8,956	4.238	6,622	3,426	4,673
Trinidad	2,658	3,500	4,515	5,122	3,697	4,266	2,897	3,435
St. Lucia	...	510	...	245	...	189	...	...
Jamaica	...	1,000	...	992	...	626	...	...
Mauritius	1,417	560	2,762	1,899	2,430	1,604	2,000	1,119
Natal	750	900	1,573	2,442	1,258	1,684	693	1,432
Fiji	750	1,100	899	1,600	883	1,441	675	1,155
Surinam	1,200	1,256	1,594	1,822	1,522	1,632	1,256	1,256
Total ...	9,945	13,826	16,813	23,078	14,028	18,064	10,947	13,061

With the exception of Mauritius, every colony called for a greater number of emigrants than in the previous year, and the two West Indian colonies Santa Lucia and Jamaica, which had not taken any coolies since 1884-85, again sent in requisitions; the total number requisitioned shows an increase of 3,881 and the number actually embarked an increase of 2,114. The number shown in the above table as embarked includes all souls, of whom 12,154 were statute adults, thus falling short of the requisition by 1,672. The explanation of the deficit is that the report is for the calendar year, while the emigration season, *i.e.*, the period during which vessels may be despatched from Calcutta, extends for the West Indian colonies up to the 31st January, while that for Fiji begins on the 1st December and ends on the 15th July, and that for

Natal and Mauritius extends throughout the year. It will be seen that the numbers which arrived in the Calcutta depôts far exceeded the colonial requisitions, and it is reported that the deficit above mentioned was almost entirely made up in the first three months of the present year. The actual despatches as compared with previous years are shown by the following figures:—

1888.		1889.		1890.	
Statute adults.	Total souls.	Statute adults.	Total souls.	Statute adults.	Total souls.
6,544½	7,121	10,041½	10,947	12,154	13,061

Speaking generally, the increased numbers asked for were due to the improving prospects of the sugar industry. From the Indian point of view, the steady increase of emigration is extremely satisfactory, coupled as it has been in the year now reported on by a complete absence of any serious complaints as to the life and treatment of the coolies in the colonies.

Recruiting, registration, &c.

3. The history given by the Protector of the emigrants previous to their despatch from this country presents few noteworthy points. The most striking feature is the marked transfer of the seat of recruitment from Bengal to the North-Western Provinces and Oudh. The following statement gives the figures for the two last years:—

	1889.	1890.
From Bengal and Behar	7,818	6,646
From North-Western Provinces and Oudh ...	8,995	16,432
Total recruited ...	16,813	23,078

In the previous year (1889) the district of the 24-Pergunnahs headed the list with 3,394 registrations. Next came Shahabad with 2,630, and then Benares with 2,085. In the year under review Benares heads the list easily with 3,043; then come Ghazipur and the Oudh district of Fyzabad with 2,204 and 2,055 respectively; and after them the 24-Pergunnahs and Shahabad with 2,027 and 1,813.

Registrations, however, do not give a true indication of the sources from which the emigrants are drawn, as large numbers have previously left their homes before they register as emigrants to the colonies. The statement given by the Protector showing the native districts of the recruits brings the district of Azamgarh to the front with 2,823 emigrants, followed by Basti, Ghazipur and Balia, and by Shahabad in the fifth place only.

There is practically no clashing of interests between recruiters for colonial purposes and those who collect for Assam and Cachar, the requirements of the two classes of countries having so far been entirely distinct. Assam prefers the Bengali and aboriginal races; the colonies recruit a large majority from the ranks of Beharis and up-country men. With regard to the 24-Pergunnahs, it has always to be explained in reviewing the year's history of recruitment that the figures are entirely misleading. Out of the 2,027 emigrants registered in this district, only 10 were natives of the district. The Protector again raises the complaint that many of these 2,027 were brought down to Calcutta professedly under the free system of inland emigration, and that on arrival they were drafted to colonial depôts. The facts are beyond all doubt, but as long as the free emigration system continues it must be so, and the Lieutenant-Governor does not see any serious objection to the practise, so long as the Protector is certified that they are willing and suitable emigrants to the colonies.

Emigrants unaccounted for after registration and rejections.

4. The total failure of the Agents to account through their sub-agents for the very large number of emigrants registered at the sub-depôts who never reach the Calcutta depôts, and also the increasing proportion of rejections at those depôts, are two important matters. It is represented that the Agents are not able to visit the up-country sub-depôts in any systematic manner during the busy recruiting season, and that the sub-agents are in many cases exceedingly

ignorant and too often unscrupulous; but at the same time the hardship and loss incurred by drawing people from their own villages to registering stations and then either losing sight of them altogether, or having to return them from Calcutta by a journey of several days' duration, are so obvious that it would seem well worth while to make some serious attempt to face the matter. The Lieutenant-Governor believes that a good deal might be done by the Agents visiting their sub-depôts up-country, even if they have to make considerable efforts in order to spare time from their other duties, and also by a very careful selection of sub-agents. If emigration continues to prosper and recruiting to expand, as it has done during the last year, there should be little difficulty in attracting a superior class of men to do the work. If nothing can be done in the direction above indicated, there remains the course proposed by the Protector to require a register of all coolies accommodated at each sub-depôt to be kept up in proper form under the supervision of the Magistrate of the district. The Protector is desired to give the matter his further consideration, and to report fully on the necessity of the latter course. In explanation of the above remarks the figures may here be noted. Out of the 23,078 emigrants registered, no less than 4,753 never reached the Calcutta depôts and were totally unaccounted for; while out of the 19,336 who were accommodated in the depôts, as many as 1,830 or a percentage of 9·46 were rejected as unfit to be sent to the colonies. The above figure, 19,336, includes 1,272 persons transferred from other depôts, remaining from the previous year and born in depôts.

Depôt management.

5. The Lieutenant-Governor has read with pleasure the report of the Medical Inspector, Surgeon-Major J. F. P. McConnell, on the health and good management of the depôts. There was a slight increase in the percentage of hospital admissions from 6·12 in 1889 to 6·13 in 1890, but on the other hand the percentage of deaths decreased from 0 72 to 0·68. These figures are satisfactory when it is considered that during a great part of the season the depôts were largely occupied. There were 26 cases and 18 deaths from cholera, as against 13 and 9 in the preceding year, the increase being due to the greater prevalence of the disease in and around Calcutta. Measles as usual gave considerable trouble both in depôt and on ship-board. The question of increasing the number of days during which emigrants must be detained in depôt previous to embarkation was again before Government, but it was decided not to alter the present minimum of seven days or the Protector's discretion to let emigrants sail, if necessary, without undergoing even that period.

Return emigrants.

6. Seven sailing ships and five steamers returned from the colonies bringing 4,739 homeward-bound emigrants, of whom 112, or 2·36 per cent., died on the voyage. The aggregate savings of these people amounted to no less than Rs. 6,96,176, or nearly Rs. 147 per head. It is observed that by far the lowest average per head is saved in the colonies of Fiji and Mauritius. No explanation of this is given, nor is it apparent in the case of Fiji. In the case of Mauritius it appears to be connected with the low rate of wages given, viz. Rs 5 to Rs. 7 per month to a male adult and Rs. 3 to Rs. 4 to a female, in addition to daily rations, as against the other colonies, where the rate is about one shilling a day to an adult male and 8 or 9 pence to a female. Natal shows the largest average savings, namely Rs. 263-3-5 per head, and is followed by Trinidad with Rs. 236-11-6 per head.

The average duration of the voyage of return ships from the West Indies was 137 days, as against 92 days on the outward voyage from India. The question of extra provisioning for homeward-bound ships in addition to the scale provided by the emigration rules for ships bound to the West Indies is under the consideration of the Supreme Government, both as regards sailing ships and steamers.

Administration of estates.

7. The estates of deceased emigrants are divided into three classes—(1) those who die in depôt and on the outward voyage, (2) those who die in the colonies, (3) those who die on the voyage home or in depôt immediately on arrival in Calcutta and before being sent to their homes up-country.

If the heirs cannot be traced, the estates of classes (1) and (3) lapse to the Indian Government; those of class (2) to the Colonial Governments. The pro-

gress of administration of classes (1) and (3) has been very fair during the year under report. Ninety-one such estates were under administration, amounting to Rs. 14,230, of which Rs. 11,435 were disposed of, leaving Rs. 2,795 still under enquiry. In the case of 20 estates, amounting to Rs. 261, the heirs could not be traced, and this amount therefore lapsed to the Indian Government.

The administration of class (2) was not so satisfactory. Out of 431 estates, aggregating Rs. 59,160, no less than Rs. 43,269 remained undisposed of at the close of the year. Great delay is caused by the necessity of having to correspond with the colonies, and the delay is finally aggravated in the case of several colonies by a refusal to pay to heirs, where traced, except on succession certificates. The Lieutenant-Governor recognizes the desirability of proper enquiries before the assets of an estate are handed over, but in his opinion the Protector is capable of making such enquiries, and it is unnecessary to insist on the production of the decision of a court, in the obtaining of which there is sure to be a considerable amount of delay. It appears from the report that the Colonial Governments undertook a few years ago to arrange for more prompt payments, but that the arrangements fell through. The Protector is desired to consult the Agents and report fully on the subject of the delays generally and the succession certificate question in particular.

Finance.

8. Owing to the impetus which recruitment received there has been a marked improvement in the financial position of the Colonial Emigration Fund, and the Protector reports that there was at the close of the year a balance of Rs. 8,384-6-3, from which relief can, if necessary, be given to the Madras portion of the Fund. The Lieutenant-Governor will consider this question and pass orders thereon.

9. From the above summary it will be seen that the year 1890 was in every way a successful one for colonial emigration; and in recognizing the fact the Lieutenant-Governor desires to express his thanks to those officers to whom in no small degree the result was due, namely to the Protector of Emigrants, Surgeon-Major D. W. D. Comins; to the Medical Inspectors, and to the Emigration Agents for the respective Colonial Governments. Dr. Comins is at present, at the request of some of the colonies, visiting the West Indies with a view to becoming personally acquainted with the condition and treatment of the emigrants in their adopted homes. He has already visited St. Lucia, Trinidad, and Demerara, and will, it is hoped, extend his visit to the remaining British colonies, and by permission of the Governments of France and the Netherlands to the French colonies and to Surinam.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 8th August, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		***Western Districts.***		
BURDWAN DIVN.	1	Burdwan August 8, '91 Culna ... Cutwa ... Raneegunge ...	3·03 2·27 1·13 1·42	Weather—rainy. Transplantation of *aman* going on. *Aus* and sugarcane doing well. Prices of common rice:— Srs. Burdwan ... ... 16 } Culna ... ... 14 } per rupee. Cutwa ... ... 15¼ } Raneegunge ... . 15¼ }
	2	Bankoora „ 8, '91	4·47	Weather—rainy. The rainfall of the week has greatly facilitated transplantation, but more is wanted. Common rice is selling at 17½ seers per rupee at Bishenpore and 18¾ seers at Bankoora.
	3	Birbhum „ 8, '91 Rampore Haut .	3·16 2·31	Weather—seasonable. Good rain everywhere. Prospects of crops very good. But prices have somewhat risen, ranging now from 16 to 18 seers per rupee.
	4	Midnapur „ 8, '91	4·50	General rain. *Aman* rice is being transplanted. Indigo manufacture nearly finished. Sugarcane doing well. Prices of common rice:— Srs. Sudder ... ... 16 } Contai ... ... 17 } per rupee. Tamluk ... ... 16 } Ghatal ... ... 16 }
	5	Hooghly „ 8, '91 Serampore . Jehanabad ..	1·70 4·05 3·48	Weather—showery and unsettled. *Aus*, jute, and sugarcane doing well. Transplantation of *aman* still in progress, weather being most favourable. Prices of common rice:— Srs. Sudder ... ... 14 } Serampore ... ... 14 } per rupee. Jehanabad ... ... 17 }
	6	Howrah „ 8, '91 Uluberia ...	2·63 2·22	Weather—rainy. Paddy, jute, and sugarcane doing well, and prospects good. Transplanting of *aman* still going on. Price of common rice 14 to 14½ seers per rupee.
		Central Districts.		
	7	24-Pergns. August 11, '91	2·61	Weather—seasonable; hot towards close of week. Prospects of jute, *aus* and sugarcane continue fair. Transplantation of *aman* going on, but more rain wanted. Prices slightly rising.
PRESIDENCY DIVN.	8	Nuddea „ 8, '91 Kushtea ... Meherpur ... Chuadanga ... Ranaghat ...	0·73 0·13 0·72 0·95 3·02	Weather—cloudy and rainy. Rain wanted on high lands for paddy. Harvesting of paddy on low lands going on. Other crops are doing well.
	9	Khoolna „ 8, '91 Bagirhat ... Satkhira . .	1·12 0·41 0·90	Weather—cloudy with light showers. The rainfall this week has been very scanty, though there are signs of good rain since yesterday (7th). More rain urgently needed for transplantation of *aman*. Prospects of *aus* and jute fair. Prices are rising, specially at Satkhira.
	10	Jessore „ 8, '91 Jhenidah . Magura ... Narail .. Bongong ...	2·07 0·47 0·85 2·68 1·30	Weather—raining almost incessantly throughout the week. Prospects good. Jute rather stunted in growth. Rivers rising too slowly. *Aman* paddy wants more water, but is promising.
	11	Murshedabad „ 10, '91	1·49	Weather—hot. Harvesting of *bhadoi* still going on. Sugarcane doing well. *Aman* thriving. Prospects favourable.
RAJSHAHYE DIVN.	12	Dinagepur „ 8, '91 Thakurgaon ...	0·07 0·76	Weather—very hot and close. Transplantation of *haimanti* rice still continues. Rain much wanted for transplantation on high lands. Prospects of standing crops fair. Price of rice stationary.
	13	Rajshahye „ 8, '91 Nowgong ...	0·69 Nil	Weather—not rainy. All crops on the ground doing well; the wet weather will do much good.
	14	Rungpur „ 8, '91 Nilphamari ... Kurigram ... Gaibanda ...	0·01 0·23 0·04 Nil	Weather—hot. Prospects continue fair. Harvesting of *aus* and jute going on. Rain wanted for transplantation of *aman*.
	15	Bogra „ 8, '91 Sherpur .. Nowkhilla ...	0·19 0·39 0·66	Weather—generally fine till 6th; latterly cloudy with prospect of rain. Reaping of *til* and *kaon* finished, with outturn of 16 annas. A large quantity of jute and *aus* rice has been cut; outturn of the former is estimated at 14 annas, and the latter is an early and generally good crop. The recent dry weather has rather benefited it. A considerable amount of *aman* rice has been transplanted, but for this crop rain is now much needed. The Collector has lately seen the crop over a large area on both sides of Bogra where no harm had been done, but it is reported to be suffering in some places, though not seriously. Sugarcane doing well. Common rice, as before, selling at 16 seers a rupee.
	16	Pubna „ 8, '91	0·71	Weather—cloudy with slight rain. *Aus* paddy is being harvested in some places. State of the crops same as before. More rain urgently wanted. Rivers are rising.
	17	Darjeeling „ 8, '91	2·85	Weather—fair. *Bhadoi* crops doing well. Rain wanted for transplantation of *haimanti* paddy. Occasional flights of locusts in some parts of the district, but no appreciable damage to crops done by them.
	18	Julpigoree „ 8, '91	0·45	Weather—very hot. Prospect of jute and *bhadoi* paddy not good. Transplantation of *haimanti* paddy not going on for want of rain. Common rice selling at 13 seers per rupee.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Eastern Districts.		
DACCA DIVN.	19	Dacca August 8, '91	Figures not given	Weather—seasonably hot. Cutting of jute and *aus* going on in low lands. *Aman* still thriving. Prospects of crops on the whole fairly good. Fodder is available. Cheapest rice sold at from 14 to 16 seers per rupee.
	20	Furreedpur „ 8, '91	0·66	Weather—seasonable. Harvesting of *aus* continues. More rain wanted for *aman.* Jute steeping has commenced. Price of rice stationary.
	21	Backergunge „ 8, '91	1·57	Weather—seasonable. Prospect of crops fair. Price of common rice varies from 13 to 17 seers per rupee.
	22	Mymensingh „ 8, '91	0·92	Weather—very hot. More rain needed for *aman* paddy. Common rice sells at 13½ seers per rupee.
CHITTAGONG DIVN.	23	Chittagong „ 8, '91	1·87	Weather—seasonable with occasional rain. Transplantation of *aus* and ploughing for *aman* still continue. Prices steady.
	24	Noakholly „ 8, '91	1·59	Weather—showery at Sudder for the most part of the week; a little rain at Fenny Transplantation of *aman* and harvesting of *aus* rice continue. Crop prospects fair, but more rain wanted, particularly in Fenny, where the price of rice has risen.
	25	Tipperah „ 8, '91	0·53	Weather—seasonable, cloudy and damp. Jute is being rapidly harvested. *Aus* paddy is also being reaped, and land ploughed for *aman.* Prospects of standing crops good. More rain wanted in Brahmanbaria. Prices stationary.
	26	Chittagong Hill Tracts. August 6, '91	2·26	Weather - rainy with occasional sunshine throughout the week. Early *jum* paddy in flower. Cotton progressing. Lands are being ploughed for late rice of the plain. Common rice is being sold at 11 seers 6 chittacks rupee.
BEHAR.				
PATNA DIVN.	27	Patna „ 8, '91	0·56	Weather—hot and cloudy. Prospects of *bhadoi* and paddy fair. More rain wanted in places. To-day (8th) is showery. Transplantation of paddy progressing. Prices stationary.
		Barh ...	1·00	
		Behar ...	1·76	
		Dinapur ...	0 62	
		Hilsa ...	2 50	
	28	Gya „ 8, '91	3·52	Weather—hot, cloudy and rainy. The rain has been very beneficial to both *bhadoi* and paddy crops. Transplantation has commenced. More rain is wanted. Prices of food grains stationary.
		Nawada ...	2·13	
		Jehanabad ...	0·75	
		Aurungabad ...	0·78	
	29	Shahabad „ 8, '91	1 00	Weather—hot and cloudy with some sunshine. East winds prevailing. Prospects of crops improved, particularly in Bhabuah and Sasseram. In Sasseram 3·25 inches of rain have fallen on 7th since the despatch of the subdivisional report. More rain still required, specially at Buxar. In Buxar and part of Arrah the ground is still too hard for transplantation of paddy, except where it is reached by canal water. Prices have slightly risen in Arrah and Sasseram.
		Buxar ...	0·99	
		Bhabuah ...	4·15	
		Sasseram ...	1·65	
	30	Durbhanga „ 8, '91	0·44	Weather—cloudy with east wind. *Bhadoi* prospects continue fair. More rain urgently required for late rice. Indigo manufacture in progress. Prices have slightly risen.
		Somastipur ...	3·95	
		Madhubani	0·21	
	31	Mozufferpur „ 8, '91	0·63	Weather—hot; occasionally cloudy; a few showers. Crops on the ground are still in good condition, but rain is much wanted. Transplanting of paddy retarded for want of rain. Rivers unusually low.
		Sitamarhi ...	0 55	
		Hajipur ...	1 50	
	32	Sarun „ 8, '91	1·06	Weather—cloudy and hot. Good rain falling to-day (8th). *Bhadoi* crops generally good, but want rain urgently. Rain also wanted for paddy transplantation. If to-day's rain is general, it will be very beneficial. In the west of the Sewan subdivision, *bhadoi* crops and paddy seedlings have been withering for want of rain.
	33	Champarun „ 8, '91	0·42	Weather—cloudy with occasional slight showers. Paddy transplantation stopped in some places for want of rain. Prospects of *bhadoi* good. Price of common rice varying from 13 to 14½ seers per rupee.
		Bettiah ...	0 05	
BHAGULPORE DIVN.	34	Monghyr „ 8, '91	3·45	Weather—hot at beginning of week; now of ordinary monsoon character. *Bhadoi* crop doing very well. Transplantation of paddy going on in some parts, but retarded owing to insufficient rainfall. Four annas of paddy reported to have been sown in the Sudder subdivision. Indigo doing well. Prices stationary.
		Begoserai ...	1·11	
		Jamui ..	1·57	
	35	Bhagulpur „ 8, '91	2·23	Weather—seasonable for the most part. In the south prospects are fair, but more rain is wanted. In Soopool prospects are unfavourable as there has been no sufficient rain yet. Price of common rice 15 seers 1 chittack per rupee.
	36	Purneah „ 8, '91	0 02	Weather—hot. Only very light showers. *Bhadoi* in parts suffering from want of rain; not more than a 9-anna crop expected in Arrareah. *Aghani* cannot be transplanted. Jute crop will be a short one throughout the district.
		Kishengunge ...	0·19	
		Arrareah ...	0 46	
	37	Maldah „ 8, '91	0·83	Weather—hot and cloudy. 0·71 inch of rain at head-quarters on the 8th. High east wind prevails. Harvesting of *bhadoi* and transplantation of winter rice pushing on. Jute is still being cut. Cutting and manufacturing of indigo over in some places. Price of common rice stationary.
		Chanchal ...	0·54	
		Shibgunge ...	0·40	
	38	Sonthal Perghs. „ 8, 91	2·42	Weather—generally cloudy. *Janera* is doing well. Transplantation of paddy on low land nearly over, but more rain wanted, especially in Rajmehal and Godda, for upland. About 10 to 12 annas of paddy planted out. On the whole, prospects of crops good.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
Orissa Divn.	39	Cuttack August 8, '91	7·85	Weather—cloudy and rainy. *Beali* and sugarcane doing well. *Sarad* also doing well, except in a few places where rain is still wanted.
	40	Pooree „ 6, '91	5·76	Weather—seasonable. Puddling of *sarad* crop on low lands going on. Miscellaneous crops doing well. Price of common rice stationary.
	41	Balasore „ 8, '91	3·69	Weather—seasonable. Puddling and transplantation of rice in progress. More rain wanted in north of district.
CHOTA NAGPORE				
South-West Frontier Agency.				
Chota Nagpore Divn.	42	Hazaribagh August 8, '91 Giridih ...	5·79 1·32	Weather—seasonable. Transplantation of rice progressing well: and all crops are promising, except in west where rain wanted. Prices high but stationary.
	43	Lohardugga „ 8, '91 Palamow (up to 3rd Aug.)	4·63 4·21	Weather—seasonable. Plenty of rain during the week has done much good to the crops. Transplantation of low land paddy is carried on vigorously. *Bhadoi* crops doing well.
	44	Singbhoom August 8, '91	5·53	Weather—seasonable. Satisfactory reports on the state of the crops received from all sides. Price of common rice 12 seers per rupee at Chaibassa and 16 seers at Dhalbhoom.
	45	Manbhoom „ 8, '91 Govindpur ...	3·61 3·96	Weather—seasonable. Transplanting still going on. Sufficient rain has fallen except in the south and south-east corners of the district. Cattle disease is said to be raging in the Tundi Pergunnah. Prices of common rice from 12 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 11*th August*, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts.	Stock in hand as compiled on—												
	1st week of August 1890.	1st week of Sept. 1890.	1st week of Oct. 1890.	1st week of Nov. 1890.	1st week of Dec. 1890.	1st week of Jan. 1891.	1st week of Feb. 1891.	1st week of March 1891.	1st week of April 1891.	1st week of May 1891.	1st week of June 1891.	1st week of July 1891.	1st week of August 1891.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	6,42,000	5,41,000	4,10,000	3,58,500	3,14,000	2,80,500	4,08,000	7,21,000	10,86,500	13,19,000	9,74,000	7,19,000	4,52,000
Ooltadanga	67,800	73,300	65,800	70,400	64,200	54,000	57,200	65,200	55,900	63,100	59,600	61,100	65,800
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghât.	5,10,500	6,07,500	6,40,100	6,29,700	5,70,250	5,29,650	5,40,400	6,00,800	5,67,200	5,17,400	4,82,400	4,68,400	4,87,200
Pathuriaghatta, Posta, and Jorabagan.	3,000	4,000	5,000	4,700	5,000	3,000	4,000	5,000	4,200	3,000	2,000	3,700	3,000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	96,000	94,200	1,09,200	1,15,700	93,650	1,04,600	1,25,200	1,34,400	1,16,300	1,25,200	1,14,800	1,06,900	98,900
21 Minor bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 2,189 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswar, and Chandernagore.	55,887	45,481	47,075	33,012	35,750	34,375	33,000	24,438	43,462	41,125	30,750	32,750	32,250
Total ...	18,65,187	18,55,481	17,67,175	17,02,012	15,75,850	14,96,125	16,57,800	20,40,838	23,63,562	25,58,825	21,53,550	18,31,850	16,29,150
On Railway premises on both sides of the river.	2,371 (on 3rd August 1890.)	13,884 (on 3rd Sept. 1890.)	11,155 (on 3rd October 1890.)	16,544 (on 3rd Nov. 1890.)	23,576 (on 3rd Dec. 1890.)	24,703 (on 3rd Jan. 1891.)	36,850 (on 3rd Feb. 1891.)	36,618 (on 3rd March 1891.)	28,642 (on 3rd April 1891.)	8,221 (on 3rd May 1891.)	5,928 (on 3rd June 1891.)	17,767 (on 3rd July 1891.)	10,179 (on 3rd August 1891.)
On boats unloaded ... By Port Commissioners' returns.	54,778 (1st to 3rd August 1890.)	27,167 (1st to 3rd Sept. 1890.)	32,365 (1st to 3rd October 1890.)	25,445 (1st to 3rd Nov. 1890.)	34,878 (1st to 3rd Dec. 1890.)	58,096 (1st to 3rd Jan. 1891.)	82,605 (1st to 3rd Feb. 1891.)	65,914 (1st to 3rd March 1891.)	44,862 (1st to 3rd April 1891.)	35,578 (1st to 4th May 1891.)	17,251 (1st to 3rd June 1891.)	28,097 (1st to 3rd July 1891.)	17,174 (1st to 3rd August 1891.)
On boats unloaded ... By Canal returns.	18,546 (1st to 3rd August 1890.)	32,468 (1st to 3rd Sept. 1890.)	23,494 (1st to 3rd October 1890.)	30,008 (1st to 3rd Nov. 1890.)	25,941 (1st to 3rd Dec. 1890.)	77,228 (1st to 3rd Jan. 1891.)	1,71,337 (1st to 3rd Feb. 1891.)	1,08,494 (1st to 3rd March 1891.)	1,51,412 (1st to 3rd April 1891.)	13,099 (1st to 4th May 1891.)	25,741 (1st to 3rd June 1891.)	41,597 (1st to 3rd July 1891.)	24,697 (1st to 3rd August 1891.)
Grand total of Stocks ...	19,40,882	19,28,998	18,34,189	17,74,009	16,60,245	16,56,152	19,48,592	22,51,864	25,88,478	26,15,723	22,02,470	19,69,311	16,81,200
Probable stock available for exportation by sea.	9 lakhs	6¾ lakhs	7¾ lakhs	7¼ lakhs	6 lakhs	6 lakhs	9 lakhs	12 lakhs	13¼ lakhs	15¾ lakhs	11¾ lakhs	9½ lakhs	6¼ lakhs

Statistical Department,

The 10th August, 1891.

C. E. Buckland,

Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum. (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan .	13 4	13 4	14 8	...	...	...	12 12	12 0	12 0	15 0	15 6	14 10	...	...	...
2	Bankoora .	14 8	14 8	15 0	20 0	20 0	20 0	15 0	16 0	15 0	16 4	17 8	18 0		..	...
3	Beerbhoom ...	13 8	14 4	16 8	...	...	...	13 8	13 8	13 8	16 8	16 0	16 8	...	...	...
4	Midnapore* ...		14 0	12 0	...	...	...		14 0	13 0		18 0	16 4	...	...	...
5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 8	14 0	13 0	.	...	...
6	Howrah ...	12 8	13 0	...	...	...	...	11 4	11 4	11 4	13 4	11 0	13 4	...	...	..
	Central Districts.															
	Calcutta ..	12 6	12 5	13 6	19 2	20 1	17 8	9 3	9 4	9 10	13 4	13 4	13 9	18 14	18 14	19 3
7	24-Pergunnahs	13 5	13 5	15 0	20 0	20 0	18 0	8 0	3 0	8 0	15 0	15 8	13 12	...	...	...
8	Nuddea ..	14 14	14 14	15 10	22 14	22 14	20 0	12 5	12 5	11 5	13 10	13 10	12 12	...	.	...
9	Khoolna ...	...	...	...	...	...	...	13 0	12 0	12 4	16 0	16 0	14 0	..	..	...
10	Jessore ...	13 0	13 5	13 4	.	...	...	13 0	13 0	11 0	16 0	16 0	15 0	...	...	...
11	Moorshedabad	15 8	15 0	16 0	...	.	.	11 8	11 8	11 0	14 12	14 8	15 0	...	...	...
12	Dinagepore ...	15 9	14 6	15 0	16 8	16 0	15 9	12 0	13 2	13 4	15 8	15 0	15 8	...	..	...
13	Rajshahye ...	16 8	16 8	16 8	26 4	26 4	21 0	12 12	12 12	12 12	14 4	13 14	14 4	...	..	...
14	Rungpore ..	10 10	10 10	13 5	...	..	...	10 10	9 6	9 6	13 0	12 4	13 5	...	...	..
15	Bogra ...	15 0	12 12	15 15	...	...	...	12 0	12 0	12 0	16 0	16 0	15 15	...	...	...
16	Pubna ...	17 4	17 4	18 12	...	.	.	7 0	6 12	7 8	15 12	15 12	15 6	.	..	...
17	Darjeeling ..	8 0	10 0	8 0	10 0	10 0	9 8	5 0	5 8	5 0	12 0	13 0	9 0	...	...	...
18	Julpigoree	12 8	13 0	14 0	16 0	16 0	16 0	7 0	8 0	8 0	13 0	13 0	16 0	..	..	..
	Eastern Districts.															
19	Dacca ...	14 0	15 0	13 0	25 0	25 0	11 0	14 0	13 0	12 0	16 0	15 0	14 0	...	...	...
20	Furreedpore ...	16 0	18 0	15 0	20 0	..	20 0	14 0	13 0	10 0	16 0	16 0	15 0	...	...	...
21	Backergunge ...	...	...	...	...	...	...	3 5	13 5	11 14	15 9	15 9	16 0	...	...	...
22	Mymensingh ..	10 8	10 8	11 4	...	...	...	10 0	10 8	10 4	14 0	13 8	13 6	...	...	...

* Present return not received.

A In the subdivisions the retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11¾ seers, and Raneegunge 10½ seers.
B Retail price of salt at Bishenpore is 10 seers per rupee.
C At Rampore Hât the retail price of salt is 9 seers per rupee.
D In the subdivisions the retail prices of salt per rupee are :—Serampore 11 seers and Johanabad 10 seers 10 chittacks.
E At Uluberia the retail price of salt is 10 seers per rupee.
F In the subdivisions the retail prices of salt per rupee are :—Baraset 10 seers 10 chittacks, Bussirhat (at Baduria) 12⅔ seers, Barrackpore 9 seers 2 chittacks, Diamond Harbour (at Magrahat) 10 seers 10 chittacks, and Dum-Dum 10 seers.
G In the subdivisions the retail prices of salt per rupee are :—Kooshtea 10 seers, Moherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers.
H Retail price of salt at Bagirhat 8 seers per rupee.
I In the subdivisions the retail prices of salt per rupee are :—Jhenida 10 seers, Magura 9⅝ seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.

Head-quarter Station Bazars of the Districts of Bengal on the 31st July, 1891.

Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Ch. S	S. Ch.	S. Ch.	S. Ch.	Rs. a. p.	Rs. a. p.	Rs. a. p.	BENGAL.
															Western Districts.
...	...	...	18 0	18 0	20 0	100 0	100 0	100 0	(A) 11 4	11 2½	10 14 1½ t.	3 7 0	3 7 4	3 8 9	Burdwan.
20 0	20 0	26 0	18 0	18 0	19 0	220 0	220 0	240 0	(B) 10 0	10 0	10 4	3 14 0	3 14 0	3 15 0	Bankoora.
...	...	...	13 0	13 0	13 8	160 0	160 0	160 0	(C) 10 8	10 12	10 8	3 12 0	3 12 0	3 10 0	Beerbhoom.
...	...	...		13 0	12 4		120 0	120 0		10 10	10 2		3 12 0	3 12 0	Midnapore.
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	(D) 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.
...	...	..	12 8	12 4	13 4	100 0	100 0	100 0	(E) 10 8	10 8	10 0	3 8 0	3 7 0	3 11 6	Howrah.
															Central Districts.
...	...	19 5	16 5	16 1	16 8	95 3	05 0	92 8	11 0	10 14	10 7	3 6 2	3 6 0	3 9 3	Calcutta.
...	...	...	17 0	17 0	17 0	100 0	100 0	100 0	(F) 10 12	10 12	10 0	3 6 0	3 6 0	3 8 0	24-Pergunnahs.
...	...	...	17 5	17 12½	19 0	...	...	...	(G) 10 10½	9 13	9 13	3 10 0	3 10 0	3 13 0	Nuddea.
...	.	...	...	...	...	160 0	120 0	160 0	(H) 9 0	9 0	9 0	4 0 0	4 0 0	4 4 0	Khoolna.
...	...	...	16 0	16 0	18 0	160 0	160 0	160 0	(I) 9 4	9 2	9 2	3 14 0	3 14 0	4 0 0	Jessore.
...	...	...	16 8	15 0	18 0	200 0	200 0	200 0	(J) 11 0	11 0	10 10	3 10 0	3 10 0	3 12 0	Moorshedabad.
...	...	.	15 8	14 10	15 0	160 0	160 0	168 0	(K) 10 0	10 0	10 0	4 0 0	4 0 0	4 0 0	Dinagepore.
...	...	...	19 8	19 3	19 14	240 0	240 0	240 0	(L) 9 9	9 9	9 0	4 0 0	4 0 0	4 2 8	Rajshahye.
...	...	...	10 10	10 10	10 5	100 0	100 0	100 0	(M) 9 6	9 6	9 6	4 4 0	4 4 0	4 4 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	9 6	9 6	9 0	4 0 0	4 0 0	4 2 8	Bogra.
...	...	...	16 8	16 14	18 12	200 0	200 0	200 0	(N) 8 15	8 15	8 11 2 t.	3 14 0	3 14 0	3 15 0	Pubna.
18	20 0	13 0	8 0	8 0	8 0	120 0	120 0	120 0	(O) 8 0	8 8	6 8	5 0 0	4 8 0	6 0 0	Darjeeling.
...	...	...	9 0	8 0	12 0	200 0	200 0	200 0	(P) 10 0	10 0	9 0	4 0 0	4 0 0	4 4 0	Julpigoree.
															Eastern Districts.
...	...	...	16 0	17 0	12 0	120 0	120 0	90 0	(Q) 10 0	10 0	9 8	3 13 0	3 13 0	4 2 0	Dacca.
21 0	21 0	16 0	16 0	12 0	10 0	120 0	120 0	120 0	10 0	11 0	10 0	4 0 0	4 0 0	3 14 0	Furreedpore.
...	...	...	(Khesari, husked.) 15 7	15 7	12 12	120 0	120 0	100 0	(R) 10 10	10 10	10 0	3 12 0	3 12 0	4 0 0	Backergunge.
...	...	...	9 12	9 12	10 0	...	...	..	(S) 9 8	9 8	9 8	4 1 0	4 1 0	4 2 0	Mymensingh.

J In the subdivisions the retail prices of salt per rupee are :—Jungipore 10 seers, Kandi 10½ seers, and Lalbagh 11 seers.
K Retail price of salt at Thakurgaon is 8 seers per rupee.
L In the subdivisions the retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
M In the subdivisions the retail prices of salt per rupee are :—Kurigram 8 seers, Nilphamari 9 seers, and Gaibanda 9 seers 6 chittacks.
N Retail price of salt at Serajgunge 10 seers per rupee.
O Retail price of salt at Kurseong and Silliguri 8 seers per rupee.
P At Fallacotta the retail price of salt is 8½ seers per rupee.
Q In the subdivisions the retail prices of salt per rupee are :—Manickgunge 9 seers, Naraingunge 10 seers 10 chittacks.
R In the subdivisions the retail prices of salt per rupee are :—Patuakhali 9 seers, Perozepore 9 seers, and Bhola 8 seers.
S In the subdivisions the retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 9 seers, Sherpore 8 seers and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare). Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	Eastern Districts—concluded	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	12 0	12 0	11 0	...	...	..	11 0	11 0	12 0	15 0	15 0	15 0	..	...	...
24	Noakholly ...	...	...	...		...	...	16 0	15 0	12 0	17 0	16 0	13 0	...	...	...
25	Tipperah ...	10 0	10 0	14 8	.	.		10 0	10 12	8 14	16 0	15 8	13 14½			...
26	Chittagong Hill Tracts.	.	...	..	...	...	...	10 0	10 0	11 6⅔	11 6⅔	15 0	12 5	..		...
	BEHAR.															
27	Patna ...	18 0 (Red.) 17 0 (White.)	18 0 (Red.) 16 0 (White.)	17 12 (Red.) 16 12 (White.)	23 0	22 0	24 8	11 8	11 0	10 8	16 8	17 0	16 12	...	...	19 0
28	Gya ...	14 8	14 8	15 8	24 0	25 0	20 0	10 8	10 8	10 0	15 0	15 0	15 8	...	...	...
29	Shahabad ...	15 8	15 8	15 8	19 0	20 0	21 0	9 0	9 0	8 0	14 8	14 0	15 0	..	...	...
30	Durbhunga ...	15 10	15 8	15 6	25 4	24 0	19 12	12 1	12 0	12 0	14 4	15 6	15 6	...	...	20 14
31	Mozufferpore ...	16 0	16 0	17 0	22 0	19 0	21 0	12 0	12 0	11 0	14 0	14 0	15 0	...	..	...
32	Sarun ...	15 12	16 0	16 4	20 8	20 8	21 8	8 8	8 8	8 8	14 6	13 13	14 0	...	...	...
33	Chumparun ...	15 8	15 10	17 0	25 0	25 0	25 0	9 0	10 0	8 0	13 0	12 8	14 12		...	...
34	Monghyr ...	17 5	17 5	18 6	22 5	23 1	23 1	10 12	11 8	13 2	14 6	13 14½	15 12	...	...	...
35	Bhagulpore ...	16 6	16 6	17 11	24 0	22 11	21 7	12 10	12 10	Old 10 11; New 13 0	15 2	15 2	Old. 18 14; New. 17 0	...	.	...
36	Purneah ...	18 0	18 0	18 0	14 0	14 0		16 0	16 0	15 0	18 0	18 0	18 0	.	.	...
37	Maldah ...	17 0	16 [illegible]	19 0	...	...		9 0	10 0	12 0	15 8	15 0	15 0	...	..	...
38	Sonthal Perghs.	11 0	12 0	14 0	.	.		13 0	13 0	13 0	16 0	16 0	16 0	...	.	...
	ORISSA															
39	Cuttack ...	11 13	11 13	15 12	...	...	...	10 8	10 8	10 8	17 1	17 1	17 1	...	..	...
40	Pooree ..	11 13	11 13	10 8	.	..	..	13 12	13 12	11 13	21 0	21 0	17 1	..	..	...
1	Balasore ..	15 0	15 0	15 0	13	13 0	13 0	13	13 0	12 0	18	18 0	19 0	.		...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh	13 0	14 0	11 0	17 0	16 0	18 0	8 0	8 0	9 0	13 8	14 8	16 0	...	...	...
43	Lohardugga .	11 12 (Red.) 7 8 (White.)	11 8 (Red.) 7 12 (White.)	13 12 (Red.) 9 4 (White.)	..	...	15 0	12 0	12 4	14 0	13 8 (Ordinary.) 16 0 (Coarse.)	13 8 (Ordinary.) 16 4 (Coarse.)	16 0 (Ordinary.) 19 0 (Coarse.)	...	...	...
44	Singbhoom .	16 0	16 0	10 0	14 0	14 0	16 0	10 0	12 0	16 0	12 0	16 0	20 0	.	.	...
45	Manbhoom	13 0	13 10	13 0	..	...	..	12 0	12 0	12 0	16 0	18 0	17 0	...	...	...

T Retail price of salt at Cox's Bazar is 8 seers per rupee.
U At Fenni Hât the retail price of salt is 8½ seers per rupee.
V In the subdivisions the retail prices of salt per rupee are: - Barh 11 seers, Behar 9¾ seers.
W In the subdivisions the retail prices of salt per rupee are :—Buxar 10 seers, Sassoram 10½ seers, and Bhabuah 9¾ seers.
X Retail price of salt at Somastipur is 11¼ seers per rupee.
Y In the subdivisions the retail prices of salt per rupee are :—Hajipore 10½ seers and Sitamarhi 10 seers.
Z In the subdivisions the retail prices of salt per rupee are :—Sewan 10½ seers and Gopalgunge 10 seers 11 chittacks.
a At Bettiah the retail price of salt is 10 seers per rupee.
b In the subdivisions the retail prices of salt per rupee are :—Begusarai 9½ seers and Jamui 9 seers.

CALCUTTA,
The 11th August, 1891.

Station Bazars of the Districts of Bengal on the 31st July, 1891—(concluded).

Indian-corn or Maize (Zea Mays.) — Present return.	Indian-corn or Maize — Next preceding return.	Indian-corn or Maize — Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (Cajanus indicus.) — Present return.	Arhar — Next preceding return.	Arhar — Corresponding return of last year.	Firewood — Present return.	Firewood — Next preceding return.	Firewood — Corresponding return of last year.	Salt — Present return.	Salt — Next preceding return.	Salt — Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt — Present return.	Wholesale Salt — Next preceding return.	Wholesale Salt — Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts*—concluded.
...	...	...	...	...	...	110 0	110 0	110 0	10 8 [T]	10 8	9 0	3 12 0	3 12 0	3 14 0	Chittagong.
...	...	..	8 0	8 0	8 0	...	...	...	8 0 [U]	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakholly.
...	...	...	6 4	6 4	6 6½	...	...	...	10 0	10 0	9 6½	4 0 0	4 0 0	4 4 0	Tipperah.
...	...	...	...	..	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
															BEHAR.
...	...	...	19 0	20 0	23 0	120 0	120 0	120 0	11 0 [V]	11 0	10 0	3 10 0	3 9 6	3 11 6	Patna.
...	...	...	17 0	17 0	2) 0	120 0	120 0	200 0	9 12	9 12	9 0	4 0 0	4 0 0	4 1 0	Gya.
...	...	...	15 0	16 0	20 0	120 0	120 0	120 0	10 0 [W]	10 8	10 0	3 14 0	3 11 0	3 15 0	Shahabad.
19 0	17 8	22 0	18 11	17 8	20 14	160 0	160 0	160 0	11 0 [X]	11 1	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.
16 0	15 0	19 0	16 0	16 0	20 0	160 0	160 0	160 0	11 0 [Y]	11 0	10 0	3 10 0	3 10 6	4 0 0	Mozufferpore.
...	...	...	18 8	19 8	21 4	160 0	160 0	160 (	10 8 [Z]	10 4	10 0	3 12 0	3 14 0	4 0 0	Sarun.
17 13	18 0	..	15 5	16 4	21 0	160 ‹	160 0	160 0	10 4 [a]	10 0	10 0	4 0 0	4 1 6	3 14 0	Chumparun.
...	16 13	23 1	18 13½	17 13½	21 0	26 0	157 8	147 0	10 8 [b]	10 8	9 7	3 9 9	3 10 0	3 10 0	Monghyr.
20 3	...	24 0	17 10	18 15	20 3	138 14	126 4	126 4	10 11	10 11	10 1	3 12 0	3 12 0	3 15 6	Bhagulpore.
...	..	...	15 0	15 0	15 0	80 0	80 0	130 0	9 0 [c]	9 0	9 0	4 0 0	4 0 0	4 7 0	Purneah.
...	...	...	...	...	...	120 0	120 0	160 0	9 0	9 0	9 0	4 0 0	4 2 0	4 2 0	Maldah.
19 0	19 0	20 0	18 0	19 0	21 0	200 0	20› 0	200 0	9 0 [d]	9 0	9 8	4 0 0	4 0 0	3 14 0	Sonthal Perghs.
															ORISSA.
...	...	...	17 1	17 1	22 5	80 0	8› 0	80 0	11 0 [e]	11 0	8 0	3 12 0	3 12 0	4 7 0	Cuttack.
...	...	...	17 1	18 6	13 2	80 0	80 0	80 0	11 13 [f]	9 13	11 0	3 3 0	3 12 0	3 7 0	Pooree.
...	...	...	...	...		60 0	160	160 0	10 0 [g]	10 0	10 0	3 14 0	3 14 0	3 14 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
17 8	18 0	21 8	16 0	16 8	21 0	240 0	240 0	320 0	8 8 [h]	8 8	8 8	4 2 0	4 6 0	4 4 0	Hazaribagh.
...	...	...	Small. 20 0; Big. 15 0	Small. 20 0; Big. 15 0	Small. 18 8; Big. 14 0	140 0	150 0	120 0	8 8 [i]	8 12	9 0	4 10 0	4 10 0	4 6 0	Lohardugga.
16 0	14 0	20 0	16 0	21 0	20 0	200 0	200 ‹	240 0	9 0	9 0	8 0	4 6 0	4 6 0	4 8 ‹	Singbhoom.
..	...	...	18 0	18 0	17 0	200 0	200 0	200 0	9 14 [j]	9 14	9 2	3 14 0	3 14 0	4 0 0	Manbhoom.

c In the subdivisions the retail prices of salt per rupee are :—Kissengunge 8 seers and Arrareah (at Basantpur) 10 seers.
d In the subdivisions the retail prices of salt per rupee are :—Jamtara 9 seers, Godda 9 seers, Deoghur 10 seers, Pakour 10½ seers and Rajmehal 10 seers.
e In the subdivisions the retail prices of salt per rupee are :—Kendrapara 10 seers, Jajpore 8 seers and Banki 12 seers.
f Retail price of salt at Khurda is 10 seers per rupee.
g Retail price of salt at Bhuddruck is 9 seers per rupee.
h Retail price of salt at Giridi is 10 seers per rupee.
i Retail price of salt at Gurwa in the Palamow subdivision 7¾ seers per rupee.
j Retail price of sal at Govindpore is 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT. Present return.	WHEAT. Next preceding return.	WHEAT. Corresponding return of last year.	BARLEY. Present return.	BARLEY. Next preceding return.	BARLEY. Corresponding return of last year.	RICE, BEST SORT. Present return.	RICE, BEST SORT. Next preceding return.	RICE, BEST SORT. Corresponding return of last year.	RICE, COMMON. Present return.	RICE, COMMON. Next preceding return.	RICE, COMMON. Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 15 3	2 15 4	2 11 8	1 13 4	1 11 11	2 0 7	4 1 1	4 0 9	3 14 4	2 12 5	2 12 1	2 11 4
2	Serajgunge ...	2 6 0	2 2 0	2 2 0	...	...	...	4 6 0	4 8 0	4 8 0	3 0 0	3 4 0	2 8 0
3	Dacca ...	2 12 0	2 8 0	3 0 0	1 8 0	1 8 0	2 13 0	2 13 0	3 0 0	3 4 0	2 7 0	2 8 0	2 13 0
4	Naraingunge	...	...	...	...	...	...	2 8 0	2 8 0	2 13 0	2 4 0	2 4 0	2 9 0
5	Chittagong	3 0 0	3 0 0	3 8 0	...	...	...	3 8 0	3 8 0	3 4 0	2 10 0	2 10 0	2 10 0
6	Patna ...	2 3 0 2 5 3	Red. 2 3 6 White. 2 8 0	2 3 6 2 5 6	1 11 3	1 12 9	1 9 6	3 9 6	3 9 9	3 12 0	2 7 0	2 4 9	2 5 6
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	2 3 0	2 3 0	2 0 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 14 3	1 14 3	2 4 0
9	Cuttack ...	3 4 0	3 4 0	2 5 0	...	...	...	3 10 0	3 10 0	3 10 0	2 2 0	2 2 0	2 2 0

CALCUTTA,
The 11*th August*, 1891.

in the undermentioned Marts of Bengal on the 31*st July*, 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 15 1	1 15 0	2 0 6	...	...	1 13 0	2 3 3	2 3 11	2 2 8	0 5 9	0 5 9	0 5 9	3 6 1	3 6 1	3 9 3	Calcutta.
2 2 0	1 14 0	2 6 0	...	...	...	...	...	...	0 6 0	0 6 0	0 6 0	3 12 0	3 14 0	3 12 0	Serajgunge.
2 7 0	2 7 0	3 0 0	...	...	...	2 5 0	2 5 0	3 4 0	0 5 0	0 5 0	0 6 0	3 13 0	3 13 0	4 2 0	Dacca.
3 12 0	3 12 0	3 6 0	...	...	...	4 8 0	4 8 0	3 9 0	0 8 0	0 8 0	0 8 0	3 10 0	3 10 0	3 13 0	Naraingunge.
3 0 0	3 0 0	3 4 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 12 0	3 12 0	3 14 0	Chittagong.
1 12 6	1 12 6	1 13 0	...	...	...	2 1 3	1 15 9	1 11 0	0 5 4	0 5 1	0 5 6	3 9 6	3 9 6	3 11 6	Patna.
2 12 0	2 12 0	2 12 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 12 0	3 6 0	3 7 0	Pooree.
(kalai). 2 5 0	2 5 0	2 10 0	...	...	...	2 2 0	2 2 0	1 10 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	4 7 0	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·520	29·469	—	SWly	312	85·7	8th Aug.	76·6	3rd Aug.	83·3	77·6	80·5	—	79·2
		Gopalpore	29·537	29·498	—·058	SWly	363	86·2	2nd "	78·3	3 & 5 "	83·7	79·0	81·4	—2·3	80·4
		False Point	29·509	29·472	—·084	SWly	336	86·4	5 & 7 "	75·1	3rd "	83·8	76·8	80·3	—2·4	79·3
	Cuttack	Cuttack	29·425	29·477	—·072	SWly	110	86·9	2nd "	75·8	3rd "	84·1	77·0	81·0	—2·7	80·1
	Balasore	Balasore	29·437	29·437	—·104	Calm	140	91·4	3rd "	77·7	2, 3, 4, 5 & 8th Aug.	87·4	78·0	82·7	+0·1	81·1
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·478	29·447	—·095	Sly	353	90·7	2nd "	77·0	7th "	87·3	79·2	83·3	—0·6	81·3
	Midnapore	Midnapore	29·367	29·461	—·093	NE	210	94·3	2nd "	76·1	2nd "	90·0	78·2	84·1	+0·9	81·4
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·492	29·459	—·078	SEly	141	92·1	2nd "	77·2	2nd "	88·2	78·7	83·4	+0·4	81·4
	Burdwan	Burdwan	29·434	29·479	—·058	E	120	95·6	2nd "	76·4	2nd "	90·7	79·3	85·0	+0·6	81·7
	Bankoora	Bankoora	29·205	29·451	—·067	ENE	113	95·1	2nd "	75·1	2nd "	89·5	77·7	83·6	+0·6	81·3
	Beerbhoom, West Burdwan	Raneegunge	29·197	29·488	—·050	ENE	116	94·0	2nd "	76·8	2nd "	90·2	78·2	84·3	+0·9	81·5
	Moorshedabad	Berhampore	29·474	29·488	—·058	E & NEly	125	94·7	2nd "	78·3	4 & 8 "	90·3	79·3	84·8	+1·0	81·7
	Nuddea	Krishnaghur	29·481	29·476	—·053	ENE & ESE	176	94·8	2nd "	78·7	5th "	91·1	79·2	85·2	+1·6	82·6
	Jessore, Khoolna	Jessore	29·502	29·482	—·074	SEly	124	87·2	8th "	78·4	6th "	89·3	79·4	84·4	+0·3	82·3
East Bengal.	Chittagong	Chittagong	29·526	29·560	—·06[illegible]	SE	175	88·7	8th "	70·1	5, 6, & 8 "	87·0*	76·6*	81·8*	+1·1*	82·3
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·512	29·500	—·165	Sly	125	93·3	2nd Aug.	78·3	7th "	88·7	79·2	84·0	+2·0	82·2
	Noakhally	Noakholly	29·543	29·533	—·06[illegible]	SE	221	90·5	2nd "	77·3	6th "	87·1	78·2	82·7	+1·5	81·5
	Furreedpore	Furreedpore	29·5.5	29·522	—·051	SE	119	93·0	2nd "	77·9	6th "	88·9	79·5	84·2	+1·6	82·8
	Dacca	Dacca	29·551	29·520	—·050	E	203	93·6	2nd "	78·2	5th "	89·7	79·6	84·7	+1·0	82·1
	Commillah	Commillah	29·561	29·547	—·043	E	116	94·3	2nd "	76·7	2 & 5 "	90·2	77·6	83·9	+2·4	81·8
	Mymensingh	Mymensingh	29·53[illegible]	29·538	—·045	ESE	137	93·2	2nd "	78·5	5 & 8 "	90·2	79·8	85·0	+2·5	82·8
North Bengal.	Bogra	Bogra	29·489	29·502	—·031	E & SE	106	94·3	2 & 3 "	78·2	5th "	91·2	80·1	85·7	+2·5	83·9
	Pubna	Serajgunge	29·520	29·516	—·053	NEly	81	95·6	2nd "	78·8	5th "	90·2	80·0	85·2	+2·1	82·9
	Rajshahye	Rampore Beauleah	29·475	29·494	—·040	SEly	132	93·8	2nd "	79·0	8th "	89·7	79·9	84·9	+2·0	83·6
	Maldah	Maldah	29·469	29·509	—	E	82	95·4	2nd "	78·9	8th "	92·6	80·5	86·6	—	83·0
	Dinagepore	Dinagepore	29·412	29·511	—·061	E	52	94·6	2nd "	78·7	8th "	91·0	80·8	86·4	+2·7	83·9
	Rungpore	Rungpore	29·465	29·540	—·032	Ely	104	95·8	3rd "	78·7	6 & 8 "	92·5	80·0	86·3	+3·0	83·8
	Julpigoree, Cooch Behar	Julpigoree	29·291	29·524	—·037	?	156	93·9	3rd "	76·1	8th "	91·4	78·5	84·9	+2·8	83·9
	Darjeeling Hill Tracts	Darjeeling	22·878	—	0	NEly	89	71·6	4th "	57·2	8th "	68·7	58·4	63·6	+1·4	62·9
North Behar.	Purneah, North Bhagulpore	Purneah	?9·434	29·511	—·033	Ely	48	94·7	3rd "	77·7	8th "	92·3	79·3	85·8	+1·3	84·2
	Mozufferpore	Mozufferpore	29·354	29·4[illegible]		SEly	148	94·8	2nd "	79·2	8th "	92·4	81·9	87·2	—	84·6
	Durbhunga	Durbhunga	29·395	29·511	—·032	ESE	116	95·9	2nd "	79·0	8th "	93·?	81·2	87·5	+2·8	85·8
	Chumparun	Motihari	[illegible]	[illegible]	—·032	ENE	148	96·2	2nd "	77·7	8th "	93·8	80·6	87·2	+3·2	85·0
	Sarun	Chupra	29·3??	29·491	—·021	Ely	127	95·8	2nd "	78·6	8th "	93·2	80·3	86·7	+2·8	85·2
South Behar.	Shahabad	Dehree	29·167	29·468	—·060	ESE	356	96·3	2nd "	77·0	2, 3, 7 "	91·0	79·0	85·5	+2·2	83·2
		Buxar	29·28?	29·478	—·045	E	233	94·9	2 & 7 "	78·2	8th "	92·6	79·9	86·3	+2·9	84·3
		Arrah	?9·341	29·480	—·02?	NEly	32	93·4	2nd "	78·6	8th "	92·4	80·8	86·6	+2·5	84·6
	Gya	Gya	?9·161	29·485	—0·44	E	115	94·5	2nd "	76·8	7th "	91·9	79·2	85·6	+0·8	82·0
	Patna	Bankipore	29·351	29·482	—0·?3	E	137	94·4	2nd "	79·7	8th "	92·4	81·2	86·8	+1·4	85·7
	South Bhagulpore, Monghyr	Bhagulpore	29·374	29·485	—·037	SE	40	95·2	2nd "	78·5	8th "	91·7	80·0	85·9	+2·1	84·1
	Sonthal Pergunnahs	Doomka	29·041	29·482	—·044	E	226	92·6	2 & 3 "	77·2	4th "	89·8	78·2	84·1	+1·7	82·2
Chutia Nagpur.	Hazaribagh	Hazaribagh	?9·547	29·479	—·051	ESE	243	86·2	2 & 6 "	72·8	4th "	84·7	73·5	79·1	+0·6	76·2
	Lohardugga, Manbhoom	Ranchee	?7·420	29·468	—·058	Ely & Calm	239	86·5	2nd "	71·9	4th "	82·9	72·7	77·8	+0·6	75·2
	Singbhoom	Chyebassa	?8·742	29·412	—·077	Ely	46	92·4	2nd "	76·7	8th "	89·0	77·6	83·3	+0·8	80·0
Assam.	Sibsagar	Sibsagar	29·295	29·579	—·036	NE & SW		96·6	4th "	77·5	8th "	92·2	79·1	85·7	+0·9	82·0
	Goalpara	Dhubri	29·475	29·541	—·044	SEly	143	91·7	3rd "	78·3	8th "	88·7	79·7	84·2	+1·1	81·4
	Cachar	Silchar	29·502	29·556	—·061	Calm		99·1	4th "	76·7	6 & 8 "	94·7	78·3	86·5	+2·7	81·4

* Mean of 6 days.

Explanation.—Summary.— The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 8th of August 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
92	10·0	5·52	-	2 85		3 22			26·55			3 38	Pooree ...	Pooree ...	Orissa.
69	8·3	2·11											Gopalpore ...		
90	1·0	0·50											False Point ...		
83	10·0	6·51		2·73		2 94			27·90			3 41	Cuttack ...	Cuttack ...	
97	5·6	3·00		2·52		2 84			28 12			3·77	Balasore ...	Balasore ...	
91	9·7	9·33	5·87	3·38	3·05	3 92	+0·03	31·67	32 26	−0·59	6·00	3 93	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
90	4·3	4·63	3 89	3 40	3·80	3·82	+0·07	28·40	29 64	−1·24	4·67	3 73	Midnapore ..	Midnapore ...	
90	9·6	2·47	2·34	3·11	2·69	3·55	−0·86	22·75	29·46	−6·71	4·90	4 26	Calcutta ...	24-Pergunnahs ... Howrah ... Hooghly ...	
80	9·1	3·03	2·78	2 93	2·78	3 23	−0·45	29·31	26 11	+3·20	3·67	3 68	Burdwan ...	Burdwan ...	
90	7·6	4·47	3·05	3·42	3·35	3 65	+0·30	29·94	31·21	−1·27	3 75	4·11	Bankoora ...	Bankoora ...	
89	4·3	3·88	2·89	3·03	3·06	3 32	−0·26	27·36	29 75	−2 39	4 25	4·35	Raneegunge ...	Beerbhoom ... West Burdwan ...	
93	9·0	1·49	1·13	2·85	1·14	3 21	−2·07	28 29	27·47	+0·82	3 50	3 74	Berhampore ..	Moorshedabad ...	
86	8·1	0·73	1·54	3·01	1·55	3·24	−1 69	26·34	27 16	−0·82	3·00	3·55	Krishnagur ..	Nuddea ...	
91	9·3	2·07	1·38	3·01	1·38	3·39	−2·01	28·39	30·94	−2·55	3 75	3·78	Jessore ...	Jessore ... Khoolna ...	
83	7·3	2·09	2·54	6·64	2·07	7 29	−4·62	60·59	73 96	−13·37	4·50	4·60	Chittagong ...	Chittagong ...	East Bengal.
			3 08	4·43	3·08	4·93	−1·85	48 96	49 52	−0·56	5·00	4·85	Demagiri ...	Chittagong Hill Tracts	
60	8·1	1·10	1·84	4 03	2·04	4·48	−2·44	36·26	46·59	−10·33	4·75	4 88	Barrisal ...	Backergunge ...	
88	3·4	1·65	1·45	7·37	2·17	8·22	−6·05	48·93	65 04	−16·11	4·50	5·21	Noakhally ...	Noakhally ...	
87	7·0	0·66	0·74	2·80	0·74	3 23	−2·49	25·98	32 58	−6·60	3·33	3·76	Furreedpore ...	Furreedpore ...	
87	8 4	1·20	1·43	3·33	1·43	3·72	−2 29	34·93	36·12	−1·19	3 25	4 32	Dacca ...	Dacca ...	
85	3·7	0·76	1·24	3 84	1·29	4 35	−3·06	37 98	39·91	−1·93	2·75	4 51	Commillah ...	Commillah ...	
90	6·7	0 97	1·41	3·33	1·41	3·69	−2·28	44 70	40·11	+4·59	3 60	4·18	Mymensingh ...	Mymensingh ...	
85	5·1	0·37	0·58	2·69	0·58	3·08	−2·50	26·13	33·45	−7·32	2·00	3·51	Bogra ...	Bogra ...	North Bengal.
88	6·7	0·18	0·49	2·60	0·49	2 91	−2 42	24·47	28 68	−4·21	1·50	3 30	Serajgunge ...	Pubna ...	
87	6·1	0·78	0·56	2·56	0·56	2·81	−2·25	28·81	30·06	−1·25	1·50	3 84	Rampore Beauleah	Rajshaye ...	
82	4·7	0·83	0·87	2·42	0·87	2·92	−2·05	23·84	30·61	−6·77	2·50	3·35	Maldah ...	Maldah ...	
85	4·9	0·05	0·35	2·75	0·36	3·17	−2·81	31·78	33·57	−1·79	0·80	3 70	Dinagepore ...	Dinagepore ...	
86	2·3	Nil	0·16	2·99	0·16	3 31	−3·15	42·45	45 44	−2·99	0·50	3 36	Rungpore ...	Rungpore ...	
88	0·0	0·50	2·08	6 43	2·10	7 17	−5·07	50·64	68·09	−17·45	2·80	4·41	Julpigoree ...	Julpigoree ... Cooch Behar ...	
92	9·0	2·85	2·42	7·79	2·42	9·04	−6·62	51·20	80·64	−29·44	3·75	5·59	Darjeeling ...	Darjeeling Hill Tracts	
85	5·4	0·02	0·38	3·56	0·38	3·96	−3·58	24·63	32·83	−8·20	1·00	3 75	Purneah ...	Purneah ... North Bhagulpore ..	North Behar.
84	5·3	0·37	0·52	2·92	0·52	3·09	−3·57	25·02	24·12	+1·80	1·00	2 72	Mozufferpore ...	Mozufferpore ...	
61	4·7	0·44	0·32	2·63	0·33	2·92	−2 60	24·19	24 61	−0·42	1·07	3 28	Durbhunga ...	Durbhunga ...	
82	5·7	0·42	0·54	3·40	0·54	4 00	−3·46	23·24	25 85	−2 61	1·50	3 14	Motihari	Chumparun ...	
88	5·0	1·04	0·89	2·89	0·89	3·21	−2·32	19·45	23·73	−4·26	2 34	2·91	Chupra ...	Sarun ...	
84	6·6	2·96											Dehree ...	Shahabad ...	South Behar.
84	7·1	0·92	3·12	2·60	3·58	3·02	+0·56	11·99	21·99	−10·00	3·20	3·15	Buxar ...		
84	3 4	1·00											Arrah ...		
89	6·6	3·52	2·52	2·94	2·08	3·20	−0·52	18 95	23 06	−4·01	3·50	3 37	Gya ...	Gya ...	
81	8·6	0·56	1·10	2·80	1·10	2·93	−1·83	24·58	23 68	+0·90	1·75	3·04	Bankipore ...	Patna ...	
86	7·4	2·23	2·42	2·88	2·42	3 14	−0·72	26·3	24 32	+1·98	·40	3·43	Bhagulpore ...	South Bhagulpore .. Monghyr ...	
86	5·1	2·42	1·54	2·96	1·61	3·37	−1·76	26·48	28 49	−2·01	3·50	3·78	Doomka ...	Sonthal Pergunnahs	
92	10·0	5·85		3 09		3·48			28 43			4 21	Hazaribagh ...	Hazaribagh ...	Chutia Nagpur.
89	9·3	4·03	3·05	3·17 3·42	3·05	3·69 3·81	−0·76	27·48	27 64 27 23	+0·29	4·50	4 20 4·15	Ranchi ...	Lohardugga ... Manbhoom ...	
88	10·0	5·63	5·53	4 00	5·78	4·42	+1·36	22·57	31·28	−8·71	5·09	4·30	Chyebassa ...	Singbhoom ...	
92	8·4	4 13											Sibsagar ...	Assam ...	Assam.
89	8·4	0·47											Dhubri ...		
89	9·1	2·71											Silchar ...		

...ten years. The variations are *negative* when the mean of the week is less than the corresponding normal mean, and *positive* when greater.
...denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
...ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 8th of August 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 2nd August.	Monday, 3rd July.	Tuesday, 4th August.	Wednesday, 5th August.	Thursday, 6th August.	Friday, 7th August.	Saturday, 8th August.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·26	2·30	0·15	1·80	0·40	......	0·40	6	5·31	2·16	5·69	2·42	13·01	28·21
		Khurdah ...	0·09	2·55	0·16	0·91	1·05	0·01				3·07		3·50		29·00
		Banpur ...	1·60	0·24	0·37							3·22		3·75		23·93
		False Point ...	0·90	5·39	0·06	......	0·06	0·05	0·04	2	6·30	2·93	6·82	3·19	25·89	30·04
		Gop ...										?		?		?
		Satpara ...	......	1·88	0·30	0·14						?		?		?
		Pipli .										?		?		?
	Cuttack	Jagatsingpore	2·72	1·90			0·10					3·11		3·21		23·80
		Banki ...	0·10	2·73	0·25	0·58	0·63					2·42		2·51		26·37
		Cuttack ...	0·70	3·30	0·93	0·85	2·02	0·03				2·81		3·21		32·00
		Kendrapara ...	0·23	6·21	0·57	0·18	0·01	0·05	0·15	5	7·40	3·20	7·42	3·54	21·81	28·00
		Jajpore ...	0·30	6·09	1·40	0·14	......	0·30	......	5	8·23	2·12	8·23	2·21	28·48	29·32
		Dharmsala ..	5·15	2·15			2·70					?		?		?
		Salipore .	......	4·02	2·20	1·26	0·40					?		?		?
	Balasore ..	*Akhoyapada* ..	0·27	4·40	0·80	0·19		0·10				?		?		?
		Chandbali ...	0·50	4·90	0·15	......	......	......	0·40	4	5·05	2·31	6·09	2·75	19·84	26·92
		Bhuddruck ...	0·40	5·30	0·73	......	......	0·82	0·03	4	7·28	2·43	7·28	2·54	27·42	27·53
		Sorah ...	2·00	0·50	......	0·10	0·90	0·80	......	5	4·30	2·07	4·30	3·05	21·20	20·19
		Balasore ..	0·53	0·86	0·21	0·03	......	0·97	1·09	5	3·69	3·28	3·69	3·62	22·19	30·36
		Jellasore ..										2·37		2·78		28·66
		Baripodah ...	1·04	0·24	0·10	0·16	1·70	0·52	0·07	6	3·82	2·14	3·97	2·27	24·48	28·93
SOUTH-WEST BENGAL.	Midnapore .	Contai ...	0·48	0·32	0·38	0·84	0·05	0·36	0·15	6	2·58	3·10	2·58	3·63	21·00	31·52
		Saugor Island	3·50	0·43	0·24	0·52	0·04	3·65	0·95	6	9·33	3·50	9·33	4·18	40·15	33·73
		Tumlook ..	1·20	0·70	0·25	......	......	......	2·00	4	4·15	3·61	4·15	3·80	39·85	28·76
		Midnapore ...	1·15	0·21	0·08	......	1·62	0·20	1·24	5	4·50	3·14	4·50	3·51	23·10	28·23
		Ghattal ..	1·56	0·19	0·23	0·09	0·28	......	0·70	5	3·03	3·45	3·04	4·09	31·20	31·80
		Kukrahaty ..	0·78	0·55	......	0·04	0·09	0·10	1·80	4	2·36	?	2·36	?	18·02	?
		Garbetta ..	0·80	0·70	0·05	0·16	......	0·10	1·14	5	2·95	?	2·95	?	27·33	?
	24-Pergunnahs	Diamond Harbour ...	1·70	0·62	0·03	1·90	0·21	0·16	1·08	6	5·70	3·53	5·92	3·94	33·85	31·40
		Canning Town	0·95	0·15	0·02	1·04	0·10	0·30	0·60	6	3·16	?	3·22	?	22·05	?
		Alipore Jail ..	0·78	0·19	0·17	0·19	0·22	0·27	0·79	7	2·61	2·76	3·52	3·27	21·16	30·53
		Barrackpore...	0·15	0·10	.....	0·47	0·25	0·05	0·56	5	1·58	3·03	1·58	3·44	22·06	29·64
		Dum-Dum ...	0·65	0·23	......	0·19	......	0·30	0·79	5	2·07	2·84	2·07	3·23	17·40	28·84
		Baraset ..	0·32	0·05	......	0·37	0·75	0·66	0·15	5	2·30	2·77	2·30	3·11	24·67	20·91
		Buseerhat ...	......	0·85	......	......	1·07	......	0·31	3	2·23	3·09	2·23	4·02	24·39	31·38
	Howrah ..	Howrah .	0·68	0·09	0·05	0·10	0·15	0·64	0·93	5	2·63	2·80	2·67	3·23	20·17	29·02
		Mohesreka (Oolooberiah)	1·25	......	0·03	......	0·40	0·01	1·03	3	2·72	3·04	3·24	3·72	23·04	29·98
	Hooghly ..	Serampore ...	0·32	0·12	......	0·61	0·18	0·19	0·58	6	2·00	3·17	2·00	3·56	26·92	29·39
		Hooghly ...	0·22	0·19	......	0·10	0·36	0·11	0·72	6	1·70	2·92	1·70	3·50	23·28	28·42
		Johanabad ..	2·95	0·08	0·12	0·06	0·21	......	2·09	4	5·51	4·01	5·57	4·43	29·57	30·60
	Burdwan ...	Culna ...	0·98	0·09	......	0·18	......	1·02	0·81	4	3·08	2·74	3·08	3·04	27·98	24·99
		Burdwan ...	1·75	0·16	0·01	0·05	......	0·07	0·99	3	3·03	3·34	3·04	3·64	30·69	26·66
		Cutwa ...	0·40	......	0·04	......	0·20	0·49	1·10	4	2·23	2·72	2·23	3·03	29·27	26·70
		Raneegunge ...	1·04	0·23	0·05	0·06	......	0·04	2·46	3	3·88	3·59	3·88	3·68	28·90	28·87
		Mankur ...	4·70	......	......	0·56	1·57	0·12	2·34	5	9·29	?	9·39	?	34·69	?
	Bankoora ...	Bankoora ...	3·26	0·23	0·01	0·44	0·09	0·01	0·43	4	4·47	3·87	4·47	4·03	28·40	30·01
		Bishenpore ...	2·13	......	......	......	0·13	0·21	3·19	4	5·66	3·45	5·66	3·74	33·11	30·69
		Maliara ...	2·05	......	0·08	......	0·27	0·25	1·27	4	3·92	3·04	3·92	3·25	34·85	31·41
		Khatra ...	......	0·99	......	0·29	......	......	0·45	3	1·73	3·30	1·73	3·56	23·39	32·69
		Indas ..	3·62	0·08	......	0·23	......	......	1·19	3	5·12	?	5·42	?	32·31	?
		Kotalpore ...	3·29	0·15	......	......	0·30	......	1·90	4	5·55	?	5·55	?	29·65	?
		Anda ..	3·17	......	......	1·32	0·22	0·12	......	4	4·83	?	4·85	?	14·57	?
		Gangajalghati	3·00	......	......	......	......	0·27	0·29	3	3·56	?	3·56	?	33·37	?
		Raipore ...	0·90	0·15	0·15	......	0·34	......	0·42	5	1·46	?	1·46	?	32·98	?
		Sonamukhi ..	2·35	0·18	0·11	0·27	0·42	0·47	0·94	7	4·74	?	4·74	?	32·75	?
	Beerbhoom	Bh. Soory ..	0·46	0·01	0·16	0·12	0·63	0·91	0·87	6	3·16	2·44	3·82	2·81	29·51	30·17
		Hetampore ...	1·41	......	0·17	......	0·13	0·15	0·45	5	2·31	2·90	2·34	3·20	20·65	32·30
		Rampore Haut	......	......	0·45	......	0·07	0·06	0·74	3	2·22	3·14	2·22	3·58	24·10	27·87
		Bolpore ..	3·50	......	......	0·47	......	0·90	1·50	4	6·37	?	6·79	?	30·68	?
		Murari ...	0·58	......	......	......	......	......	0·34	2	0·92	?	0·92	?	20·91	?
	Nuddea ...	Ranaghat ...	2·80	0·08	0·03	0·03	0·03	0·13	0·06	2	3·21	3·09	3·21	3·44	24·74	27·11
		Kishnaghur ...	......	0·01	......	......	0·53	0·21	0·18	3	0·73	2·78	0·73	3·05	20·03	23·00
		Chooadanga .	0·46	0·03	0·28	0·12	0·02	0·74	0·20	5	1·85	3·13	1·85	3·52	20·16	27·67
		Meherpore ...	0·62	......	0·06	......	......	0·18	0·55	3	1·41	3·06	1·45	3·34	29·10	26·60
		Kooshtea ..	......	......	0·06	0·07	......	0·19	0·20	2	0·52	2·51	0·52	2·86	22·74	29·46
	Khoolna ..	Satkhira ..	0·29	0·28	0·05	0·07	0·08	0·36	1·40	4	2·44	2·68	2·14	2·98	30·34	31·94
		Bagirhat ..	0·29	......	......	......	......	0·18	0·58	3	1·05	3·30	1·05	3·81	34·68	37·18
		Khoolna ..	0·37	......	0·14	0·13	0·09	......	0·30	4	1·12	3·43	1·12	3·76	23·01	31·77
		Nakipur ...										?		?		?
		Rampal .	......	......	1·00	......	0·20	2·00	......	3	3·20	?	3·20	?	23·11	?
	Jessore ...	Narail ..	......	0·07	......	0·35	0·30	0·12	0·11	4	0·95	3·20	0·95	3·54	25·60	27·68
		Jessore ...	1·10	0·06	0·06	0·02	0·25	0·26	0·32	4	2·07	3·10	2·07	3·68	20·24	32·34
		Jhenidah ...	......	0·11	......	......	0·36	0·09	0·12	3	0·68	2·57	0·68	2·82	26·96	29·33
		Magoorah ...	0·52	......	0·10	......	0·23	0·06	0·12	4	1·03	2·43	1·03	3·00	30·61	29·26
		Bongong ...	......	0·15	......	0·65	0·15	......	0·75	4	1·70	3·30	1·70	3·40	26·67	27·99
	Moorshedabad	Kandi ...	......	......	0·28	......	0·10	0·25	0·60	4	1·23	2·76	1·23	3·09	24·07	28·27
		Berhampore ...	......	......	0·21	0·06	0·03	0·77	0·42	3	1·40	3·11	1·40	3·51	26·01	27·49
		Lalbagh ...	......	......	......	0·15	0·18	0·23	0·59	4	1·15	3·33	1·19	3·53	28·93	25·72
		Azimgunge ...	......	......	0·15	0·20	......	0·15	0·50	4	1·00	3·22	1·00	3·81	24·29	27·94
		Jungipore ...	......	......	0·09	0·15	0·06	0·19	0·57	3	1·06	2·64	1·06	2·87	29·72	27·07
		Lalgola ...	......	......	...	0·10	......	0·25	0·50	3	0·85	2·06	0·85	2·45	32·59	28·35
		Akhriganj ...	......	......	......	0·21	......	0·75	0·42	3	1·38	?	1·38	?	29·09	?
		Patkabari ...	......	......	......	......	......	1·00	0·35	2	1·35	?	1·35	?	28·60	?
EAST BENGAL	Chittagong	Cox's Bazar ...	0·59	0·10	0·36	0·89	0·85	......	0·50	6	3·20	8·53	3·20	9·22	67·64	88·65
		Chittagong ...	1·05	......	......	0·20	......	......	0·62	3	1·87	4·74	2·12	5·34	53·48	59·27
		Kutubdia ...	0·05	......	0·03							?		?		?
		Satkanya ...	......	......	......	0·53	0·17	0·16				?		?		?
	Chittagong Hill Tracts.	Rangamati ...	0·89	0·03	0·26	0·96	0·07	0·39	0·48	5	3·08	4·43	3·08	4·03	48·93	49·52
		Bandarban ...	0·32	......	0·55	0·09	......	0·27	0·09	3	1·32	?	1·52	?	32·95	?
	Backergunge	Patuakhally...	0·15	0·30	......	0·10	......	0·40	0·27	5	1·22	3·89	1·22	4·41	37·38	54·21
		Perozepore ..	1·79	0·08	......	0·35	......	0·37	0·19	4	2·78	3·98	2·78	4·45	39·34	41·06
		Burrisal ..	0·16	0·09	0·20	......	0·22	0·76	0·14	5	1·57	3·20	1·57	3·63	33·03	40·78
		Bhola ...	......	0·31	......	0·52	0·34	0·47	0·15	5	1·79	5·08	2·59	5·43	35·84	50·26

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 8th of August 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 2nd August.	Monday, 3rd August.	Tuesday, 4th August.	Wednesday, 5th August.	Thursday, 6th August.	Friday, 7th August.	Saturday, 8th August.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
East Bengal —*concld.*		*Gournaddi* ...	0·77	10·25	......	0·10	0·62	0·48	0·42	6	2·64	?	2·99	?	28·28	?
		Bauphal ...	......	......	......	......	......	0·71	0·60	2	1·31	?	1·31	?	35·33	?
	Noakholly ...	Noakholly ...	0·12	......	[illegible]11	0·30	0·54	0·14	0·38	6	1·50	0·67	2·88	7·64	49·39	64·47
		Fenny ...	0·50	......	......	0·20	......	......	0·60	3	1·30	8·07	1·45	8·80	48·50	65·58
		Harishpore ...	......	......	......	1·05						?		?		?
		Ramganj ...	0·21	......	......	0·34	0·15	0·13	0·23	5	1·11	?	1·11	?	33·41	?
	Furreedpore	Madaripore ...	......	0·32	......	......	0·25	0·19	0·22	4	0·97	3·23	0·97	3·74	25·93	33·88
		Furreedpore ...	......	......	......	......	......	0·45	0·30	2	0·75	2·59	0·75	3·02	29·60	33·08
		Goalundo ..	0·11	......	......	0·17	0·11	......	0·10	4	0·40	2·59	0·40	2·94	22·91	31·70
	Dacca ...	Munshigunge	0·95	......	......	0·13	0·29	0·10	0·50	5	2·03	4·29	2·03	4·73	31·54	41·42
		Dacca	0·37	......	......	0·50	0·23	......	0·03	3	1·13	3·02	1·13	3·47	39·98	35·23
		Naraingunge	1·03	......	......	0·16	0·41	......	......	3	1·60	2·97	1·60	3·18	38·11	38·28
		Manickgunge	0·09	......	0·04	......	0·06	0·19	0·56	2	0·94	3·02	0·94	3·49	34·12	29·55
		Joydebpore .	0·04	......	0·02	0·03	0·02	......	0·19	1	0·30	?	0·30	?	35·03	-
	Hill Tipperah	Agartola ...	0·30	......	......	0·29	0·59	0·10	0·20	5	1·30	3·00	1·30	3·30	44·80	34·68
	Tipperah ...	Comilla ...	......	......	......	......	......	......	0·53	1	0·53	4·58	0·53	5·18	39·62	47·54
		Chandpore ...	1·15	......	......	0·25	0·78	......	......	3	2·18	4·98	2·18	5·60	31·44	42·58
		Brahmunberia	0·65	......	......	......	......	......	0·30	2	0·95	2·80	0·95	3·31	40·61	34·78
		Ramchandrapore ...	0·58	......	......	......	......	......	......	1	0·58	?	0·58	?	38·44	?
		Nasirnagar ...	......	0·40	......	......	......	......	......	1	0·40	?	0·40	?	14·90	?
		Daudkandi ...	0·52	......	......	......	......	......	......	1	0·52	?	0·92	?	34·58	?
		Kasba ...	1·70	......	......	0·02	0·31	0·90	0·22	4	3·21	?	3·21	?	?	?
		Laksham ...	......	......	......	1·05	......	......	0·25	2	1·30	?	1·30	?	45·00	?
	Mymensingh..	Kishoregunge	......	0·50	......	0·46	0·19	0·33	0·36	5	1·84	3·15	1·84	3·44	58·83	40·84
		Atia (*Tangail*)	......	......	......	0·43	......	......	......	1	0·43	3·10	0·43	3·52	29·96	31·47
		Mymensingh	......	0·22	......	0·20	0·08	......	0·42	3	0·92	2·74	0·92	3·20	37·06	42·82
		Jamalpore ..	......	......	......	0·12	0·15	0·15	1·03	4	1·45	3·16	1·45	3·41	37·11	35·48
		Netrokona ...	......	0·75	......	0·94	0·82	0·15	0·26	5	2·42	4·52	2·42	4·92	60·59	49·65
		Subornakhally	......	......	......	0·42	......	......	......	1	0·42	?	0·42	?	23·28	?
		Durgapore ...	......	0·25	......	0·70	......	0·50	1·30	4	2·75	?	2·75	?	63·84	?
		ShereporeTown	......	......	......	......	0·27	......	1·24	2	1·51		1·51	?	45·28	?
		Dewanganj .										?		?		?
North Bengal.	Pubna ...	Pubna ...	......	0·04	0·03	0·06	......	0·06	0·52	1	0·71	2·55	0·71	2·82	20·00	27·85
		Seraigunge ...	......	......	......	0·16	......	......	0·10	2	0·26	2·65	0·26	3·00	28·88	24·15
	Bogra ...	Sherepore ...	......	......	......	0·39	......	......	0·02	1	0·41	3·21	0·41	3·49	19·05	34·05
		Nowkhilla ...	......	......	......	0·29	0·37	0·17	0·07	3	0·90	2·57	0·90	3·28	30·17	31·85
		Bogra ..	......	......	......	0·19	......	......	0·18	2	0·37	2·30	0·37	2·58	26·64	35·67
		Panchbibi ..	......	......	......	......	......	0·23	0·40	2	0·63	2·67	0·63	2·95	28·07	32·18
	Rajshahye ...	Beauleah ..	......	......	0·03	0·05	0·17	0·08	0·36	2	0·69	2·34	0·69	2·76	30·91	27·97
		Nattore ..	......	......	......	0·06	......	......	0·64	1	0·70	[illegible]	0·70	2·93	33·20	29·44
		Naogaon ..	......	......	......	......	......	......	0·30	1	0·30	[illegible]	0·30	2·74	22·25	32·76
		Lalpore ...	......	......	......	......	0·10	0·90	1·20	3	2·20	?	2·20	?	24·07	?
		Manda ...	......	......	0·30	......	......	0·20	0·30	3	0·80	?	0·80	?	19·98	?
	Maldah ...	Maldah ..	......	......	......	......	0·12	......	0·71	2	0·83	2·24	0·83	2·55	25·09	28·53
		Chanchal ...	......	......	......	......	0·35	0·19	0·37	3	0·91	2·59	0·91	3·29	21·53	32·62
		Gajol ...	......	......	......	......	......	......	0·20	1	0·20	?	0·20	?	33·60	?
		Sibganj ...	0·06	......	......	0·09	......	......	0·43	1	0·58	?	0·58	?	32·20	?
	Dinagepore ...	Mohadebpore	......	......	......	......	......	......	0·35	1	0·33	2·09	0·35	3·38	19·14	32·02
		Churamon ...	......	......	......	0·01	0·14	......	0·21	2	0·36	2·07	0·40	2·33	32·21	29·57
		Raigunge ...	......	......	......	......	......	......	......	Nil	Nil	2·84	Nil	3·30	44·95	33·91
		Dinagepore .	......	......	......	......	......	......	0·07	Nil	0·07	3·59	0·07	4·13	33·03	39·10
		Baloorghat	......	......	......	......	......	0·06	0·89	1	0·95	2·25	0·95	2·68	29·80	33·24
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	?	0·76	?	40·97	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	......	......	......	......	......	......	0·35	1	0·35	1·98	0·35	2·20	39·02	35·40
		Rungpore ...	......	......	......	......	......	......	0·01	Nil	0·01	3·10	0·01	3·29	44·85	46·07
		Kurigram ...	......	0·04	......	......	......	......	......	Nil	0·04	2·82	0·04	3·13	40·33	47·74
		Bagdogra (*Nilphamari*)	......	0·23	......	......	......	......	......	1	0·23	4·06	0·23	4·58	44·99	53·02
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	42·29	?
	Julpigoree ...	Julpigoree ...	......	......	......	......	0·06	0·07	0·32	1	0·45	0·84	0·45	7·66	37·94	68·17
		Alipore Dooar	......	......	......	......	......	......	1·62	1	1·62	?	1·62	?	54·13	-
		Fallacotta ...	......	......	......	0·91	......	......	1·40	2	2·31	?	2·31	?	37·80	?
		Debiganj ...	......	......	......	......	......	......	0·56	1	0·56	?	0·56	?	50·98	?
		Bhagatpore (Nagrakatta)	0·09	0·04	0·06	1·38	0·49	0·26	1·82	5	4·09	?	4·09	?	51·40	?
	Cooch Behar...	Dinhatta ...	......	......	......	0·55	0·65	......	0·97	3	2·17	4·94	2·17	6·50	51·26	58·53
		Cooch Behar...	......	0·04	0·76	......	0·35	......	0·95	4	2·70	7·14	2·82	7·48	58·39	75·35
		Mickilgunge...	0·08	......	......	0·28	0·25	0·06	1·43	3	2·04	6·22	2·04	7·61	49·43	65·56
		Matabhanga...	0·02	0·30	0·07	......	0·56	0·02	2·06	3	3·03	7·00	3·03	7·58	56·18	70·83
	Darjeeling Hill.	Buxa ...	......	......	0·17	0·04	1·56	0·01	0·63	3	2·19	12·21	2·42	13·15	69·96	119·98
		Silliguri ...	......	......	......	......	1·30	0·10	0·30	3	1·70	7·53	1·70	9·00	38·59	77·22
		Darjeeling ...	0·01	......	0·38	0·73	1·01	0·01	0·71	4	2·85	6·89	2·85	8·02	57·50	61·35
		Kalimpong ...	0·10	0·07	0·57	0·04	1·24	0·12	0·57	5	2·71	4·54	2·71	5·70	39·10	57·95
		Kurseong ...	......	0·40	0·02	1·83	1·62	0·04	0·41	4	4·32	?	4·32	?	64·65	?
North Behar	Purneah ...	Kissengunge...	......	0·14	......	......	0·05	0·63	0·06	2	0·88	4·23	0·88	4·95	32·41	41·51
		Arrareah ...	......	0·20	......	......	0·05	......	0·09	1	0·34	3·78	0·34	4·24	28·78	37·50
		Purneah ...	......	......	......	......	......	......	0·02	Nil	0·02	3·83	0·02	4·31	24·06	35·33
		Gondwara ...	......	......	......	......	......	0·12	......	1	0·12	?	0·12	?		?
		Balarampore	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	18·93	?
		Matiari ...	......	......	......	......	......	......	0·70	1	0·70	?	0·70	?	15·14	?
		Kaliaganj ...	......	......	......	......	0·90	0·61	0·12	3	1·63	?	1·63	?	34·10	?
	North Bhagulpore.	Maddapore ...	......	......	......	......	......	0·15	0·12	2	0·27	2·91	0·27	3·15	21·12	26·17
		Soopool ..	......	......	......	......	......	......	0·50	1	0·50	3·04	0·50	3·27	16·53	26·55
		Protabganj...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	26·13	?
	Durbhunga ...	Tajpore ...	......	0·15	......	......	0·07	......	......	1	0·22	2·08	0·22	2·75	33·92	24·60
		Durbhunga ...	......	......	......	......	......	0·10	0·34	2	0·44	2·73	0·44	3·19	19·07	24·57
		Madhubani ...	......	......	......	......	0·21	......	0·10	2	0·31	2·49	0·31	2·82	19·60	24·35
		Rahera ...	......	......	......	......	......	......	0·31	1	0·31	?	0·31	?	22·28	?
		Roshera ...	......	......	......	......	......	......	0·47	1	0·47	?	0·47	?	11·39	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	......	......	......	Nil	Nil	2·98	Nil	3·09	31·04	28·37
		Mozufferpore	......	......	......	......	0·43	0·14	0·07	2	0·63	2·84	0·63	2·98	21·37	24·65
		Hajipore ...	......	0·83	0·03	......	......	0·03	0·03	1	0·92	8·05	0·92	3·21	20·29	24·11
		Paru ...										?		?		?
		Mahua ...	......	......	......	0·06	......	0·55	1·00	2	1·61	?	1·61	?	25·87	?
		Sishar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	18·51	?
		Pupri ...	......	......	......	......	......	1·78	......	1	1·78	?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 8th of August 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 2nd August.	Monday, 3rd August.	Tuesday, 4th August.	Wednesday, 5th August.	Thursday, 6th August.	Friday, 7th August.	Saturday, 8th August.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari	......	......	......	0·07	0·00	0·12	0·14	2	0·42	3·20	0·42	3·78	24·78	24·20
		Bettiah	0·05	......	......	......	......	......	0·60	1	0·65	3·77	0·65	4·26	21·08	27·44
		Bagaha	......	......	......	......	......	0·06	0·40	1	0·46	?	0·46	?	39·39	?
		Burhurwa	......	0·15	......	......	0·03	0·09	0·02	1	0·28	?	0·28	?	22·38	?
	Sarun ...	Gopalgunge ...	......	......	......	......	......	0·11	0·19	2	0·30	3·23	0·30	3·44	25·03	24·18
		Sewan	0·03	......	......	......	0·35	0·31	0·06	3	1·35	3·02	1·35	3·45	10·36	23·97
		Chuprah ...	......	0·15	......	......	......	...	0·87	2	1·02	2·43	1·02	2·73	13·95	23·00
SOUTH BEHAR	Shahabad	Buxar	0·05	0·59	......	......	0·02	0·06	0·20	2	0·92	2·87	1·25	3·37	6·28	21·08
		Dehree	0·22	0·06	0·02	......	......	1·65	1·02	3	2·96	1·73	3·44	2·44	12·64	21·15
		Bhaboah ...	0·85	2·10	......	......	......	1·10	1·40	4	5·45	2·64	6·65	2·94	13·70	22·96
		Sasseram ...	1·17	0·27	......	......	......	3·20	0·33	4	5·03	3·25	5·24	3·36	12·33	22·17
		Arrah ...	......	0·30	......	......	......	0·14	0·78	3	1·22	2·93	1·32	2·99	15·08	22·61
		Mohaniah										?		?		?
	Gya	Aurungabad..	0·84	0·40	......	......	......	0·38	1·33	4	2·95	3·18	3·06	3·47	14·60	24·39
		Gya ...	......	0·78	......	......	......	1·32	1·42	3	3·52	2·60	3·52	2·94	17·56	24·71
		Nowadah ...	0·51	......	0·05	......	0·55	0·72	0·28	4	2·11	2·70	2·11	2·86	23·43	22·76
		Jehanabad ..	......	0·72	......	......	......	0·18	0·58	3	1·48	3·23	1·48	3·53	19·58	23·53
		Arwal	......	1·75	......	......	......	......	0·80	2	2·55	?	2·55	?	13·88	?
		Daudnagar	......	0·11	0·20	......	......	0·12	0·75	4	1·18	?	1·30		6·85	?
		Sherrghatti	0·18	2·05	0·16	......	......	0·77	1·43	5	4·50	?	4·50		13·79	?
		Rajauli	......	1·65	......	......	......	0·70	......	2	2·35	?	2·35	?	25·17	?
		PakriBarawan	......	0·50	......	......	0·80	......	0·90	3	2·20	?	2·20	?	10·82	?
	Patna	Patna	......	0·53	0·03	......	......	......	......	1	0·56	2·78	0·56	2·92	20·33	24·13
		Dinapore	......	0·15	......	......	......	......	0·30	2	0·45	3·02	0·45	3·12	22·95	23·36
		Behar ..	......	1·00	......	......	0·50	0·06	0·97	3	2·53	2·72	2·53	2·81	20·02	24·55
		Barrh ..	......	......	......	......	......	......	0·85	1	0·85	2·66	0·85	2·83	28·08	22·54
		Bickram	......	0·80	......	......	......	0·09	0·78	2	1·67	?	1·67	?	18·01	?
		Hilsa										?		?		?
	Monghyr ...	Begoosorai ...	......	......	0·50	......	0·06	0·60	0·55	3	1·81	2·68	1·80	3·00	20·88	22·60
		Monghyr	1·08	......	0·13	......	......	1·00	1·24	4	3·45	2·71	3·45	2·97	28·14	24·83
		Jamui	......	......	......	......	0·55	1·10	0·19	3	1·84	2·95	1·84	3·21	23·21	25·09
		Gogri	1·22	......	......	......	......	1·81	2·47	3	5·53	?	5·53	?	31·66	?
		Sheikpura	......	......	......	......	......	0·43	0·41	2	0·84	?	0·84	?	22·28	?
	South Bhagulpore	Bhagulpore	0·81	......	......	......	0·29	0·10	1·03	4	2·23	3·03	2·23	3·15	31·42	24·82
		Banka	1·38	......	......	......	......	0·20	0·98	3	2·76	3·05	2·76	3·30	27·96	24·37
		Kolgong ...	......	......	......	......	......	......	0·25	1	0·25	?	0·25	?	20·46	?
		Bangaon										?		?		?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	......	0·07	0·44	1	0·51	2·05	0·51	2·28	20·66	20·22
		Godda ..	0·12	0·02	......	......	0·45	0·12	0·56	4	1·27	3·41	1·27	3·91	25·58	25·02
		Pakour	......	......	0·05	0·04	0·31	0·19	1·27	3	1·80	2·43	1·80	2·76	26·53	20·23
		Nya Doomka	1·18	0·01	0·27	0·02	0·01	0·27	0·66	4	2·42	3·57	2·43	4·23	24·89	31·69
		Deoghur	0·25	0·28	0·26	......	0·1[illegible]	0·02	0·45	5	1·42	3·43	1·42	3·77	21·35	28·92
		Jamtara ...	......	......	0·11	0·06	0·19	0·81	0·55	4	1·72	2·86	2·10	3·23	33·46	28·40
		Mohagama										?		?		?
		Nanihat	......	......	......	......	......	0·12	0·15	2	0·27	?	3·89	?	?	?
CHUTIA NAGPUR.	Hazaribagh	Paorambha ... (*Giridi*).	0·29	0·18	0·07	0·04	0·03	0·08	0·19	3	0·88	3·72	1·10	4·00	27·45	27·53
		Hazaribagh	1·14	1·15	0·05	......	0·15	2·82	0·54	5	5·85	3·47	5·87	3·89	25·32	27·71
		Semtagurah	1·20	0·10	......	......	0·85	1·90	0·75	5	4·80	2·60	4·80	2·02	20·27	26·09
		Mahudi Hills										2·79		3·18		26·21
		Jhoomra Hills										2·85		3·40		34·60
		Barhi ..	0·03	0·41	0·02	......	......	2·94	0·53	3	3·93	?	3·93	?	23·36	?
		Chatra	0·20	1·70	......	......	0·08	......	1·42	3	3·49	?	3·51	?	15·39	?
		Karagdeha ..	0·49	0·50	......	......	......	0·43	0·20	4	1·62	?	1·62	?	26·84	?
		Ramghur	1·10	......	0·25	0·30	0·80	0·85	0·75	6	4·05	?	4·85	?	29·27	?
	Lohardugga	Lohardugga...	0·12	0·07	......	......	0·53	0·07	......	3	1·30	2·93	2·28	3·47	18·37	27·83
		Ranchi ...	0·30	1·58	0·32	0·34	0·36	0·88	0·87	7	4·65	3·46	4·00	3·81	21·49	30·59
		Palamow	3·18	0·74	......	0·03	......	2·83				3·11		3·77		24·40
		Silli	......	1·70	0·40	......	......	......	2·10	3	4·20	?	4·20	?	25·18	?
		Balumat	2·50	0·12	......	......	0·30					?		?		?
		Hossainabad	......	......	......	......	2·31					?		?		?
		Garwah	8·06	0·17	......	......	0·07					?		?		?
	Singbhoom	Chyebassa ...	0·11	2·16	0·05	0·04	0·93	0·34	1·90	5	5·53	4·00	5·78	4·42	22·57	31·28
		Chakradharpore.	......	0·30	5·77	2·30	0·15	1·71	1·11	6	11·34	?	11·34	?	44·64	?
		Ghatsilla	0·20	0·50	0·30	......	1·60	......	0·22	5	2·82	?	3·32	?	27·16	?
		Baharagura	......	1·27								?		?		?
	Manbhoom	Purulia ...	1·45	0·53	0·18	......	0·33	......	1·15	5	3·64	3·41	3·64	3·66	31·72	28·64
		Gobindpore	1·78	0·16	0·15	......	......	0·04	0·32	4	2·45	3·42	2·45	3·95	23·21	25·88
		Raghunathpore.	0·70	0·80	......	0·08	0·25	0·07	0·30	4	2·20	?	2·20	?	27·74	?
		Barrabhoom.	1·35	0·85	0·05	......	0·60	0·30	2·00	5	5·15	?	5·67	?	23·04	?
		Jhaldo ..	0·15	0·85	0·19	......	......	......	1·27	4	2·76	?	4·86	?	27·20	?
		Caas	1·44	0·53	0·13	0·14	0·19	1·37	0·30	7	4·10	?	4·10	?	33·24	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 11th August* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 8TH OF AUGUST 1891.

ON the 31st of July a cyclonic storm of considerable intensity had formed in the Bay of Bengal to the north-west of Diamond Island, and it then commenced to move in a north-westerly or north-north-westerly direction. On the 1st of August the storm was to the west of Akyab in perhaps latitude 19° to 20° N,. and longitude 90° to 91° E. It was giving very heavy weather in the Bay, and strong winds were reported to the east and south of the storm, and hence storm-warning signals were hoisted in the Hooghly and at Chittagong from the morning of the 1st. On the morning of the 2nd, or the first day of the week under review, the storm centre was nearly over the Sunderbuns between Chittagong and Saugor Island, and it had therefore again advanced in a north-westerly direction. It here suddenly changed the direction of its advance, and during the second moved along the face of the Sunderbuns in a due westerly direction, and it passed close to Saugor Island between 8 P.M. of the 2nd and 2 A.M. of the 3rd, passing apparently a little to the south of it, and during the passage the very low pressure of less than 29·3 inches was recorded. At 8 A.M. of the 3rd the centre had crossed the coast and was to the west of Balasore, where pressure equalled only 29 293 inches. The storm as it passed over the land was not a very severe one, giving only an ordinary gale of wind, but from reports received from vessels involved in the storm, it appears to have been a decidedly fierce one at sea. On the morning of the 3rd, as the storm centre was well inland, the storm signals which had previously been hoisted were lowered. On the 4th the storm centre was probably in the west of Chutia Nagpur, though, as there are no meteorological observatories over this area, its exact position is difficult to determine; but it is clear that the westerly movement of the 2nd to the 3rd had again been changed into a north-westerly movement, or to the movement it originally had on the 31st to the 2nd. On the morning of the 5th the centre of the small storm was near Sutna, so that it had again advanced in a north-westerly direction, but on this day it appears to have rapidly filled up, and on the morning of the 6th it had practically ceased to exist

In the passage of the small storm across the head of the Bay, and in its north-westerly advance through the extreme south-western districts of Bengal, rather heavy rain was brought up, first by the storm itself and afterwards by the strong advance of monsoon winds which followed in its rear. The heavy rain was, however, mainly confined to the western and southern divisions of the province, for East and North Bengal during this period received only light and local rain.

From the 5th, however, conditions again began to change at the head of the Bay, and pressure became comparatively low at Saugor Island and Balasore, and showed a distinct tendency to form a feeble depression over this area, while round a centre to the west of Saugor Island winds showed a decided tendency to set up a cyclonic circulation. On the 6th a distinct but exceedingly feeble depression existed, partly over the north-west angle of the Bay and partly over South-West Bengal, and the cyclonic circulation became a little more clearly defined. On the 7th conditions were almost the same except that the centre of the circulation of winds was to the south of Saugor Island, and that heavy rain had commenced to fall at that station. The small whirl or depression then commenced to advance in a north-westerly direction, and on the morning of the 8th it was in the south of Chutia Nagpur. During its existence at the head of the Bay it was throughout a very feeble depression.

During the second half of the week, therefore, conditions have again been favourable for rainfall in the southern and western divisions of the province, and hence Orissa and Chutia Nagpur have received falls in excess of the normal; in South-West Bengal and South Behar the falls have been almost normal, but over the remainder of the province rainfall has been in decided defect.

Pressure.—The variations of pressure during the week have been to a great extent dependent, first, on the movement of the cyclonic storm which passed along the head of the Bay through the south-western districts, and secondly, on the development of the feeble whirl near Saugor Island. Thus on the 2nd pressure was falling moderately in South-West Bengal and Orissa, while elsewhere there was a moderate increase. On the 3rd a very rapid fall occurred in the neighbourhood of the depression and over Chutia Nagpur and Behar, the fall at Balasore being 0·146″, and the pressure at that station being 0·23″ below the normal, while in the east and north of the province pressure was rising. On the 4th pressure had risen over the whole province, particularly in the rear of the depression, and at Balasore an increase of 0·219″ was reported. From the 5th pressure began to fall, the decrease continuing on the 6th in the southern and south-western districts in connection with the formation of the small whirl, while in North Bengal and Behar pressure was rising. On the 7th pressure changes were small and of little importance, and on the 8th pressure rose generally except at a few of the south-western stations in the neighbourhood of the depression. For the whole week, therefore, the mean pressure over the province has been considerably in defect of the normal, the defect ranging from about 0·03″ to 0·04″ at the northern stations to almost a tenth of an inch at Saugor Island, Balasore, Midnapore, and False Point.

Temperature.—The variations of temperature have as usual followed the variations in the amounts of rainfall. The mean temperature for the week has been decidedly (1·9°) in defect of the normal in Orissa and about normal in South-West Bengal and Chutia Nagpur, but in the other divisions there has been a general excess of about 2°. For the whole province the variation has been an excess of 1·1°. In Assam the mean temperature has been above the normal by 1·6°.

Rainfall.—In Orissa particularly heavy rain fell during the westward movement of the cyclonic storm, and on the 2nd Dharmsala, in the Cuttack district, reported 5·15 inches, Saugor Island 3·50 inches, Jagatsingpore 2·72 inches, and Sorah 2 inches; while on the 3rd the following heavy falls were received:—Garwah 8·06 inches, Kendrapara 6·21 inches, Jajpore 6·09 inches, False Point 5·39 inches, Bhuddruck 5·30 inches, Salipore 4·92 inches, Chandbali 4·90 inches, Mankur 4·70 inches, and Akhayapada 4·40 inches, while there were very numerous falls of two and three inches. For the remainder of the week the rainfall was generally lighter.

In Orissa the average fall for the week has been 5·50 inches, or more than twice the normal fall; in Chutia Nagpur the fall has averaged 3·64 inches, or about ten per cent. in excess of the normal; and in South-West Bengal and South Behar the falls have averaged about two-and-a-half inches, or falls about twenty per cent. in defect. In the other divisions the amounts of rainfall have been small; in East Bengal the fall has only equalled 1·45 inches, or about one-third of the normal, in North Bengal only an average amount of 0·78 inch has been recorded, or about a fourth of the normal, and in North Behar only 0·47 inch is recorded, or a sixth of the normal fall.

In the case of the smaller districts in South-West Bengal the falls have been decidedly deficient in Moorshedabad, Nuddea, Jessore, and Khoolna; in East Bengal in Chittagong, Backergunge, Noakholly, Furreedpore, Dacca, Comilla, and Mymensingh; in all the districts of North Bengal and North Behar, and in South Behar in Patna and Sonthal Pergunnahs.

In Assam during the week Sibsagar has received 4·13 inches, Silchar 2·71 inches, and Dhubri 0·37 inch of rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 8th of August 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	91·4	75·1	84·5	77·9	81·2	−1·9	5·50	2·68	+2·82	4·14	3·54	+0·60	5·65	2·98	20·65	27·62
South-West Bengal ...	95·6	75·1	89·6	78·8	84·2	+0·6	2·50	3·08	−0·58	4·11	4·00	+0·11	2·56	3·45	27·13	20·38
East Bengal	94·3	76·1	88·8	78·6	83·8	+1·7	1·45	4·09	−2·64	3·52	4·46	−0·94	1·56	4·57	39·68	45·17
North Bengal	95·8	75·1	91·4	80·0	85·7	+2·5	0·78	3·45	−2·67	1·50	3·71	−2·21	0·78	3·89	35·19	41·33
North Behar	96·2	77·7	93·1	80·7	86·9	+2·5	0·47	3·13	−2·66	1·37	3·24	−1·87	0·47	3·47	23·49	27·07
South Behar	96·3	76·8	91·8	79·8	85·8	+1·9	2·15	2·86	−0·71	3·13	3·38	−0·25	2·27	3·16	21·69	24·69
Chutia Nagpur	86·5*	71·9*	83·8*	73·1*	78·5*	+0·6*	3·64	3·25	+0·39	4·55	4·23	+0·32	3·74	3·68	23·55	28·25
Assam	90·1	76·7	91·0	79·0	85·5	+1·6										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 11th August 1891.

A. PEDLER.
Meteorological Reporter to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of July 1891.

	Inches.	Date.	Hour.
The mean pressure of the month	29·495		
The average pressure of July from 24 years' registers ...	29·537		
The highest pressure in the month	29·722	28th	10
The lowest pressure in the month	29·346	2nd	16
The range of pressure	0·376		
	Hours.		
The total number of hours of bright sunshine during the month	103·8		
The maximum possible number of hours of sunshine ...	413·1		
	°		
The mean temperature of the month	83·3		
The average temperature of July from 24 years' registers ...	83·5		
The highest temperature in the month	94·2	2nd.	
The lowest temperature in the month	76·2	30th	
The range of temperature during the month	18·0		
The mean daily range of temperature	9·2		
The greatest range of temperature in one day	14·1	3rd.	
	Per cent.		
The mean humidity of the month	86		
The average humidity of July from 24 years' registers ...	85		
	Inches.		
The mean vapour tension of the month	0·977		
The average vapour tension of July from 9 years' registers ...	1·002		
The mean cloud proportion of the month	7·73		
The average cloud proportion of July from 14 years' registers ...	8·00		
The total rainfall of the month	8·28		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	8·19		
The average fall of July from 48 years' registers ...	12·84		
The greatest fall in 24 hours	1·87	4th.	
	Days.		
The number of rainy days in the month	24		
The average number of rainy days in July from 24 years' registers	25		
	°		
The mean maximum equilibrium temperature of solar radiation during the month	139·5		
The mean difference of sun and air temperatures	51·5		
The greatest sun temperature	158·3	3rd.	
The greatest excess of sun over air temperature	66·5	17th.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	76·9		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	2·0		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	3·2	3rd.	
	Miles.		
The mean movement of the wind per day	140·4		
The greatest movement of the wind in one day	239·0	6th.	
The greatest movement of the wind in one hour	20·0	25th,	10 to 11 A.M. and 11 to noon.

The number of hours with winds from each of the 8 points—

N. 8, N.E. 17, E. 94, S.E. 147, S. 152, S.W. 231, W. 55, N.W. 27, Calm 13.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·6° higher; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, India;
Calcutta, the 10th August 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 2nd to 8th August 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour pressure.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Aug.	2nd	141·5	7·1	29·416	83·1	88·3	10·9	77·4	79·1	0·945	77·5	84	N and ENE ...	262	0·16	Partially cloudy, o, g, d, p.
,,	3rd	146·3	7·5	·464	83·0	87·1	7·9	79·2	79·5	·960	78·0	85	E, ESE, and SSE ...	237	0·20	Partially cloudy, o, g, d, p.
,,	4th	147·4	3·9	·533	83·5	87·3	8·3	79·0	80·4	·997	79·1	87	ESE and SSE ...	122	0·23	Chiefly cloudy, o, d, p, t.
,,	5th	150·5	2·8	·472	83·2	87·9	9·0	78·9	80·5	1·007	79·4	89	SE by S and SSE ...	76	0·19	Chiefly cloudy, o, d, p.
,,	6th	145·3	1·5	·456	82·8	87·9	9·2	78·7	75·1	0·995	79·1	88	ENE and SSE ...	57	0·24	Chiefly cloudy, o, d, p, t.
,,	7th	135·4	Nil	·461	82·7	86·7	7·0	79·7	80·6	1·017	79·7	91	ESE and ENE ...		0·41	Cloudy, o, g, d, t, p.
,,	8th	110·5	,,	·526	81·3	82·5	4·2	78·3	79·0	0·962	78·1	90	SSE and SSW ...	106	0·50	Cloudy, o, g, d, p.

	Inches.
The mean pressure of the seven days	29·475
The average prossure of the corresponding period for 24 years, S.-G.'s Office ...	29·584
	Hours.
The total number of hours of bright sunshine	22·8
The maximum possible number of hours of sunshine	91·4
	°
The mean temperature of th3 seven days	82·8
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·0
The extreme variation of temperature	10·9
The maximum temperature	88·3
	Miles.
The highest velocity of the wind in one hour	19
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	88
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	87
	Inches.
The total fall of rain from 2nd to 8th August 1891	1·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·58
The total fall from 1st January to 8th August 1891	27·29
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	38·00

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; t, thunder.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 10th August 1891.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of July 1891.

	Inches.	Date.
The mean pressure at 10 A.M. during the month	29·534	
	°	
The mean temperature at 10 A.M. during the month	84·3	
The highest temperature during the month	95·6	
The lowest temperature during the month	75·8	
The absolute range of temperature during the month	19·8	
The mean daily range of temperature during the month ...	11·2	
The greatest range of temperature in one day during the month ...	15·7	
	°/o	
The mean 10 A.M. humidity during the month	83	
	Inch.	
The mean 10 A.M. vapour tension during the month	1·002	
	Inches.	
The total rainfall of the month	7·65	
The greatest fall in 24 hours	1·62	
The number of rainy days in the month	18	

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 10*th August* 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 2nd to 8th August 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature. Daily mean.	Maximum.	Range.	Minimum.	Hygrometry. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
August ...	2nd ...	29·492	83·7	90 0	12·7	77·3	87·4	84·1	1·127	82·9	88	0·79
,, ...	3rd ...	·487	84·6	90·0	10·9	79·1	84·6	81·3	1·025	80·0	87	0·20
,, ...	4th ...	·596	84·5	90·2	11·4	78·8	87·1	81·7	1·009	79·7	78	0·03
,, ...	5th ...	·507	85·0	91·0	12·0	79·0	88·6	82·7	1·034	80·3	76	0·04
,, ...	6th ...	·480	81·4	90·0	11·2	78·8	84·6	80·5	·987	78·8	83	Nil
,, ...	7th ...	·482	84·8	89·0	8·4	80·6	83·6	81·3	1·038	80·4	91	0·34
,, ...	8th ...	·536	80·9	83·4	5·1	78·3	81·6	80·0	1·005	79·4	93	0·66

	Inches.
The mean 10 A.M. pressure of the seven days	29·511
	°
The mean temperature of the seven days	84·0
The extreme variation of temperature	13·7
The maximum temperature	91·0
The mean 10 A.M. relative humidity of the seven days	85
	Inches.
The total fall of rain from 2nd to 8th August 1891	2·06

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 10*th August* 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 25th July 1891.

Births.

The total births registered during the week ending with Saturday, the 25th July 1891, in twenty-seven principal towns of Bengal, amounted to 419, and correspond to an annual rate of 20·3 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 1·3 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years except 1886 and 1889, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886–90.	1891.
Ratio of births per 1,000 of the population per annum	20·5	15·8	19·6	21·0	18·0	19·0	20·3

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending—				Towns.	Weeks ending—			
	4th July 1891.	11th July 1891.	18th July 1891.	25th July 1891.		4th July 1891.	11th July 1891.	18th July 1891.	25th July 1891.
Burdwan	25·9	22·9	19·8	16·8	Narainganj	20·7	20·7	16·6	29·0
Midnapore	16·5	15·5	15·5	23·2	Chittagong	16·4	7·0	16·4	9·4
Hughli and Chinsurah	14·8	23·0	31·2	27·9	Comillah	19·3	7·7	42·4	27·0
Serampore	26·5	35·5	27·5	15·7	Patna City	7·5	12·7	9·4	12·3
Utterpara	18·9	28·3	9·4	9·4	Gya	19·1	22·5	27·3	26·0
Howrah	14·3	18·3	17·2	14·9	Arrah	15·6	14·4	16·6	7·2
Bali	17·5	14·0	10·5	21·1	Mozufferpore	20·7	15·8	29·2	32·8
Krishnagar	18·9	9·5	7·6	13·2	Durbhanga	22·0	22·0	23·6	29·9
Ranaghat	12·0	6·0	6·0	12·0	Chupra	15·1	10·1	36·2	10·1
Santipore	14·0	12·3	19·3	17·5	Bhagulpore	12·2	22·9	14·5	33·5
Jessore	6·1	12·2	6·1	12·2	Monghyr	29·6	28·9	34·4	32·5
Rampore Beauleah	15·8	7·9	15·8	15·8	Purneah	3·4	10·4	10·4	10·4
Darjiling	7·4	29·6	22·2	44·5	Poori	21·0	20·4	25·2	25·2
Dacca	6·5	8·4	10·4	14·0	Total ...	15·5	17·0	19·3	20·3

It will be seen that last week the highest birth-rate was returned from Darjiling (44·5) and the lowest from Arrah (7·2).

Deaths.

The total deaths registered during the week under review amounted to 571, and correspond to an annual rate of 27·7 per 1,000 of the population. The rate of the week is 2·8 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years except 1886 and 1887, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886–90.	1891.
Ratio of deaths per 1,000 of the population per annum	28·6	28·3	19·0	25·9	22·9	24·9	27·7

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending—				Towns.	Weeks ending—			
	4th July 1891.	11th July 1891.	18th July 1891.	25th July 1891.		4th July 1891.	11th July 1891.	18th July 1891.	25th July 1891.
Burdwan	10·7	33·6	21·4	9·2	Narainganj	8·3	20·0	8·3	16·6
Midnapore	18·6	18·6	13·9	15·5	Chittagong	18·8	18·8	16·4	21·1
Hughli and Chinsurah	23·0	21·3	23·0	32·8	Comillah	23·1	10·3	10·3	11·0
Serampore	25·5	27·5	41·3	29·4	Patna City	19·1	27·6	17·2	17·2
Utterpara	18·9	28·3	28·3	9·4	Gya	46·5	51·9	56·0	51·9
Howrah	15·5	9·7	18·9	18·9	Arrah	37·3	29·9	23·9	27·5
Bali	14·0	21·1	10·5	7·0	Mozufferpore	20·7	23·1	52·8	32·8
Krishnagar	5·7	13·2	1·9	20·8	Durbhanga	26·7	26·0	44·1	29·9
Ranaghat	6·0	...	...	6·0	Chupra	26·2	31·2	37·2	30·2
Santipore	3·5	...	1·7	7·0	Bhagulpore	43·4	41·9	32·0	48·8
Jessore	...	6·1	...	42·8	Monghyr	28·9	33·4	31·4	57·9
Rampore Beauleah	15·8	34·2	15·8	23·6	Purneah	6·9	13·9	17·3	20·8
Darjiling	44·5	140·8	66·7	74·1	Poori	14·7	35·7	35·7	21·0
Dacca	15·2	17·5	15·0	22·7	Total ...	25·0	27·0	26·4	27·7

According to the figures returned, the highest mortality occurred in the town of Darjiling (74·1) and the lowest in Ranaghat (6·).

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per mille.	*Fever.*	Ratio per mille.	*Dysentery and diarrhœa.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Mozufferpore ...	28·1	Jessore ...	42·8	Darjiling ...	37·0	Monghyr ...	21·7
Bhagulpore ...	20·6	Darjiling ...	37·0			Hughli and Chinsurah ...	14·8
Gya ...	15·7	Rampore Beauleah	23·6			Poori ...	14·7
Arrah ...	13·1					Gya ...	14·3
Dacca ...	9·7					Chupra ...	13·1
Monghyr ...	9·0					Bhagulpore ...	11·4
Serampore ...	7·9					Durbhanga ...	11·0
Chupra ...	6·0						
Patna City ...	4·9						
Howrah ...	4·6						

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 6·9 from cholera, against 6· in the preceding week; ·3 from small-pox, against ·4; 9·5 from fever, against 9·; 2·5 from dysentery and diarrhœa, against 2·9; ·5 from injury, against ·4; and 8· from other causes, against 7·7 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows :—

According to Sex.	Ratio per mille.	*According to Class.*	Ratio per mille.	*According to Age.*	Ratio per mille.
Males	29·8	Hindus ...	30·4	Under 1 year ...	202·9
Females	25·4	Mahomedans ...	21·6	1 and under 5 years ...	64·2
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	117			5 " 10 " ...	27·9
				10 " 15 " ...	16·1
				15 " 20 " ...	16·5
				20 " 30 " ...	13·9
				30 " 40 " ...	12·0
				40 " 50 " ...	17·7
				50 " 60 " ...	18·9
				60 years and upwards ...	60·3

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. Gregg, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

The 10*th August* 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 25th July 1891.

1		3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of Population per annum.				Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	7	4	*11*	10·7	6·1	*16·8*	175	1	...	2	...	...	3	*6*	1·5	...	3·1	...	...	4·6	*9·2*	21·4	4	2	11·5	6·5	177
Midnapore ...	Midnapore ...	16,927	16,633	33,560	6	9	*15*	9·3	13·9	*23·2*	66	...	...	2	2	...	6	*10*	...	...	3·1	3·1	...	9·3	*15·5*	13·9	8	2	24·6	6·3	390
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	10	7	*17*	16·4	11·5	*27·9*	143	1	...	8	2	...	9	*20*	1·6	...	13·1	3·3	...	14·8	*32·8*	23·0	13	7	42·6	23·0	185
Serampore ...	Serampore ...	13,559	12,937	26,496	5	3	*8*	9·8	5·9	*15·7*	166	4	...	8	1	...	2	*15*	7·9	...	15·7	2·0	...	3·9	*29·4*	41·2	7	8	26·8	32·2	83
	Utterpara ...	3,046	2,464	5,510	1	...	*1*	9·4	...	*9·4*	No female birth.	...	...	1	...	...	...	*1*	...	...	9·4	...	...	...	*9·4*	28·3	1	...	17·1	...	No female death.
Howrah ...	Howrah ...	53,153	37,660	90,813	15	11	*26*	8·6	6·3	*14·9*	136	8	...	12	4	1	8	*33*	4·6	...	6·8	2·3	·6	4·6	*18·9*	18·9	17	16	16·6	22·1	75
	Bali ...	7,836	6,979	14,815	1	5	*6*	3·5	17·5	*21·1*	20	...	...	1	...	...	1	*2*	...	...	3·5	...	...	3·5	*7·0*	10·5	1	1	6·6	7·5	88
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	4	3	*7*	7·5	5·7	*13·2*	133	...	...	5	1	1	4	*11*	...	...	9·5	1·9	1·9	7·5	*20·8*	1·9	8	3	31·4	11·0	285
	Ranaghat ...	4,028	4,655	8,683	1	1	*2*	6·0	6·0	*12·0*	100	...	...	1	...	...	...	*1*	...	...	6·0	...	...	...	*6·0*	...	...	1	...	11·3	No male death.
	Santipore ...	13,708	15,979	29,687	4	6	*10*	7·0	10·5	*17·5*	66	...	...	3	...	...	1	*4*	...	...	5·3	...	...	1·7	*7·0*	1·7	2	2	7·6	6·5	117
Jessore ...	Jessore ...	4,630	3,665	8,495	...	2	*2*	...	12·2	*12·2*	No male birth.	...	...	7	...	...	...	*7*	...	...	42·8	...	...	...	*42·8*	...	2	5	21·5	70·9	33
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	3	3	*6*	7·9	7·9	*15·8*	100	...	...	9	...	...	...	*9*	...	...	23·6	...	...	...	*23·6*	15·8	4	5	19·3	28·8	67
Darjiling ...	Darjiling ...	4,579	2,439	7,018	2	4	*6*	14·8	29·6	*44·5*	50	...	...	5	5	...	...	*10*	...	...	37·0	37·0	...	...	*74·1*	66·7	5	5	56·8	106·6	53
Dacca ...	Dacca ...	42,782	37,379	80,161	17	6	*23*	11·0	3·9	*14·9*	283	15	...	5	4	...	11	*35*	9·7	...	3·2	2·6	...	7·1	*22·7*	15·6	23	12	28·0	16·7	167
	Narainganj ...	7,605	4,956	12,561	4	3	*7*	16·6	12·4	*29·0*	133	...	...	1	1	...	2	*4*	...	...	4·1	4·1	...	8·3	*16·6*	8·3	2	2	13·7	21·0	65
Chittagong ...	Chittagong ...	13,340	8,790	22,130	2	2	*4*	4·7	4·7	*9·4*	100	...	...	4	2	...	3	*9*	...	...	9·4	4·7	...	7·0	*21·1*	16·4	6	3	23·4	17·7	132
Tipperah ...	Comillah ...	8,153	5,353	13,506	5	2	*7*	19·3	7·7	*27·0*	250	...	...	3	...	...	...	*3*	...	...	11·6	...	...	...	*11·6*	19·3	1	2	6·4	19·4	33
Patna ...	Patna City ...	78,762	81,475	160,237	25	13	*38*	8·1	4·2	*12·3*	192	15	...	17	3	2	16	*53*	4·9	...	5·5	1·0	·6	5·2	*17·2*	17·2	30	23	19·8	14·7	134
Gya ...	Gya ...	38,290	37,831	76,121	20	18	*38*	13·7	12·3	*26·0*	111	23	3	24	4	1	21	*76*	15·7	2·0	16·4	2·7	·7	14·3	*51·9*	56·0	44	32	59·8	44·0	136
Shahabad ...	Arrah ...	20,960	22,505	43,465	3	3	*6*	3·6	3·6	*7·2*	100	11	1	9	...	...	2	*23*	13·1	1·2	10·8	...	...	2·4	*27·5*	23·9	8	15	19·8	34·7	57
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	13	14	*27*	15·8	17·0	*32·8*	92	19	...	4	1	...	3	*27*	23·1	...	4·9	1·2	...	3·6	*32·8*	52·3	12	15	27·0	39·7	68
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	20	18	*38*	15·7	14·2	*29·9*	111	3	2	16	3	...	14	*38*	2·3	1·6	12·6	2·3	...	11·0	*29·9*	44·1	19	19	29·3	30·6	95
Sarun ...	Chupra ...	25,116	26,554	51,670	10	9	*19*	10·1	9·0	*19·1*	111	6	...	6	3	2	13	*30*	6·0	...	6·0	3·0	2·0	13·1	*30·2*	37·2	17	13	35·2	25·5	138
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	26	18	*44*	19·8	13·7	*33·5*	144	27	...	16	6	...	15	*64*	20·6	...	12·2	4·5	...	11·4	*48·8*	32·0	38	26	56·6	40·6	139
Monghyr ...	Monghyr ...	28,154	29,366	57,520	17	19	*36*	15·3	17·2	*32·5*	89	10	...	21	6	3	24	*64*	9·0	...	19·0	5·4	2·7	21·7	*57·9*	34·4	38	26	70·2	46·0	152
Purneah ...	Purneah ...	8,463	6,553	15,016	1	2	*3*	3·5	6·9	*10·4*	50	...	...	4	1	1	...	*6*	...	...	13·8	3·5	3·5	...	*20·8*	17·3	3	3	18·4	23·8	77
Poori ...	Poori ...	13,247	11,537	24,784	9	3	*12*	18·9	6·3	*25·2*	300	...	...	1	2	...	7	*10*	...	...	2·1	4·2	...	14·7	*21·0*	35·7	6	4	23·6	18·0	131
	Total ...	556,262	516,097	1,072,359	231	188	*419*	11·2	9·1	*20·3*	123	143	6	195	51	11	165	*571*	6·9	·3	9·5	2·5	·6	8·0	*27·7*	26·4	319	252	29·8	25·4	117

MORTALITY ACCORDING TO— Class (13, 14)

Districts.	Names of Municipalities.	13. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	14. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan ...	Burdwan	...	5	1	...	...	...	11·0	5·1	...	...
Midnapore ...	Midnapore ..	...	6	4	...	...	...	12·0	28·8	...	...
Hughli ...	Hughli and Chinsurah	...	16	4	...	...	...	32·9	33·7	...	...
Serampore ...	Serampore ...	...	14	1	...	...	...	28·8	55·4	...	...
	Utterpara	...	1	...	...	...	...	9·8	...	...	...
Howrah ...	Howrah	...	27	6	...	...	...	20·6	15·2	...	...
	Bali	...	2	...	...	...	...	7·8	...	...	...
Nuddea ...	Krishnagar ...	...	9	2	...	...	...	25·1	12·6	...	...
	Ranaghat	...	1	...	...	...	...	7·1	...	...	...
	Santipore	...	2	2	...	...	..	5·0	11·6	...	...
Jessore ...	Jessore	...	3	4	...	...	...	34·6	54·4	...	...
Rajshahye ...	Rampore Beauleah	...	7	2	...	...	...	36·7	10·6	...	...
Darjiling ...	Darjiling	...	9	1	...	...	...	101·9	85·0	...	...
Dacca	Dacca	...	25	10	...	...	...	32·3	13·2	...	...
	Narainganj ...	...	1	3	...	...	..	8·2	25·3	...	...
Chittagong ...	Chittagong ...	...	2	7	...	...	...	17·9	23·8	...	...
Tipperah ...	Comillah	...	2	1	...	...	...	17·5	7·0	...	...
Patna	Patna City ...	...	44	9	...	...	...	19·2	11·4	...	...
Gya	Gya	...	62	14	...	...	...	53·7	45·3	...	...
Shahabad ...	Arrah	...	21	2	...	...	...	35·2	8·4	...	...
Mozufferpore ...	Mozufferpore ...	...	22	5	...	...	...	38·1	20·8	...	...
Durbhanga ...	Durbhanga ...	...	27	11	...	...	...	29·0	32·6	...	...
Sarun	Chupra	...	23	7	...	...	...	30·2	30·6	...	...
Bhagulpore ...	Bhagulpore ...	...	49	15	...	...	...	52·1	41·3	...	...
Monghyr ...	Monghyr	...	54	10	...	...	...	62·8	41·4	...	...
Purneah ...	Purneah	...	4	2	...	...	...	22·7	18·4	...	...
Poori ...	Poori	...	10	...	...	...	...	21·2	...	...	...
	Total ...	...	448	123	...	...	...	30·4	21·6	...	...

MORTALITY ACCORDING TO— Age (15, 16)

Names of Municipalities.	15. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	1	1	1	...	...	1	...	1	...	1	78·8	23·0	22·3	...	...	6·6	...	11·8	...	35·1
Midnapore	4	...	...	1	...	...	1	4	...	...	279·9	...	...	17·1	...	...	9·4	56·8	...	...
Hughli and Chinsurah	2	2	1	1	1	4	1	3	2	3	125·5	46·9	18·0	21·0	20·7	33·5	9·1	37·4	40·0	75·2
Serampore	...	6	1	2	...	2	2	...	1	1	...	172·9	20·7	46·8	...	19·3	20·9	...	27·2	37·4
Utterpara	...	1	...	...	...	...	...	...	...	...	...	123·5	...	...	...	...	...	...	...	...
Howrah	6	6	4	2	2	3	...	1	4	5	151·2	56·3	33·1	15·8	14·2	6·9	...	4·4	37·9	69·3
Bali	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	15·5	...	...	...	71·0
Krishnagar	3	1	2	...	1	1	1	1	...	1	314·5	21·1	30·3	...	25·3	10·8	12·1	15·9	...	30·1
Ranaghat	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	91·4
Santipore	...	1	1	1	1	...	...	...	...	...	...	17·9	13·8	17·9	23·4	...	...	...	...	...
Jessore	1	1	...	...	...	2	...	3	...	...	268·0	105·3	...	...	...	51·6	...	148·6	...	...
Rampore Beauleah	1	1	1	...	...	...	1	2	1	2	128·1	36·7	25·0	...	...	...	14·4	42·4	41·9	108·0
Darjiling	...	7	3	..	...	...	...	...	...	...	...	566·1	266·7	...	...	...	...	...	...	...
Dacca	5	2	4	...	3	5	6	2	3	5	137·0	14·1	21·0	...	21·4	17·0	26·8	18·6	32·9	46·7
Narainganj	1	...	...	...	...	...	1	1	...	1	186·4	...	..	...	...	...	24·3	37·3	...	79·8
Chittagong	1	1	1	1	...	2	...	2	...	1	92·4	26·4	20·8	20·2	...	22·5	...	46·1	...	65·3
Comillah	1	...	1	...	...	...	...	...	...	1	175·1	...	31·9	...	...	...	...	...	...	76·7
Patna City	8	9	7	3	2	6	5	4	1	8	96·5	32·1	21·6	10·8	9·3	10·8	11·2	11·0	3·7	30·1
Gya	16	15	7	5	3	10	3	5	3	6	464·8	147·3	52·0	31·6	29·8	35·3	12·3	26·6	23·7	60·6
Arrah	2	10	3	1	...	1	3	...	...	3	80·7	117·3	30·4	11·8	...	6·6	24·2	...	...	54·1
Mozufferpore	1	7	5	3	2	4	1	...	1	3	54·5	90·1	57·8	39·4	34·3	24·2	7·5	...	16·0	64·1
Durbhanga	10	13	1	...	2	...	...	2	1	9	334·0	88·8	6·6	...	25·9	...	...	14·0	11·9	146·5
Chupra	11	3	5	...	1	4	2	...	...	4	405·4	30·2	43·6	...	15·0	22·6	13·4	..	...	61·1
Bhagulpore	7	9	8	5	4	2	10	4	3	12	253·7	72·1	58·9	35·8	42·0	8·0	47·4	27·2	30·5	145·0
Monghyr	16	16	4	4	4	8	4	1	...	7	560·3	133·7	29·5	36·3	55·1	40·2	23·3	8·2	...	101·5
Purneah	1	1	...	1	...	...	...	2	...	1	183·7	43·0	...	43·5	...	...	...	56·1	...	64·4
Poori	2	...	...	...	...	1	...	5	1	1	343·2	...	...	...	...	9·8	...	78·2	23·3	28·8
Total	100	116	60	30	26	57	41	43	21	77	202·9	64·2	27·9	16·1	16·5	13·9	12·0	17·7	18·9	60·3

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 10th August 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Major Works for the month of April 1891, as compared with that of the corresponding month of the previous year.

Canals.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Circle.												
Taldunda Canal System	450	8	5	450	8	5	806	6	2	806	6	2
Kendrapara ditto ...	12,610	0	6	12,610	0	6	7,713	1	0	7,713	1	0
High Level, Range I	1,305	3	3	1,305	3	3	1,233	5	0	1,233	5	0
Ditto " II	311	2	3	311	2	3	555	15	6	555	15	6
Ditto " III	189	6	9	189	6	9	369	10	3	369	10	3
Jajepore Canal ...	41	13	1	41	13	1	7	7	10	7	7	10
Total Orissa Circle ...	14,908	2	3	14,908	2	3	10,685	13	9	10,685	13	9
South-Western Circle.												
Midnapore Canal ...	6,633	4	9	6,633	4	9	10,904	14	3	10,904	14	3
Hidgellee Tidal Canal *	......			......			1,700	8	0	1,700	8	0
Total South-Western Circle	6,633	4	9	6,633	4	9	12,605	6	3	12,605	6	3
Sone Circle.												
Patna Canal System ...	835	4	9	835	4	9	3,825	5	3	3,825	5	3
Arrah ditto ...	2,673	9	0	2,673	9	0	2,077	5	3	2,077	5	3
Buxar ditto ...	982	13	6	982	13	6	1,196	14	6	1,196	14	6
Total Sone Circle ...	4,491	11	3	4,491	11	3	7,099	9	0	7,099	9	0
GRAND TOTAL ...	26,033	2	3	26,033	2	3	30,390	13	0	30,390	13	0

* The canal closed for remodelling work during the month.

Government Transport Service.

Canal.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
Orissa Circle.												
High Level ...	1,564	1,820	1,602 8 1	1,564	1,820	1,602 8 1	1,307	2,816	1,443 14 5	1,307	2,816	1,443 14 5
Total Orissa Circle	1,564	1,820	1,602 8 1	1,564	1,820	1,602 8 1	1,307	2,816	1,443 14 5	1,307	2,816	1,443 14 5

Total Navigation Receipts.

Canals.	Earnings, 1891-92.						Earnings, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Canals ...	16,510	10	4	16,510	10	4	12,129	12	2	12,129	12	2
Midnapore Canal ...	6,633	4	9	6,633	4	9	10,904	14	3	10,904	14	3
Hidgellee Tidal Canal...	......			......			1,700	8	0	1,700	8	0
Sone Canals ...	4,491	11	3	4,491	11	3	7,099	9	0	7,099	9	0
Total ...	27,635	10	4	27,635	10	4	31,834	11	5	31,834	11	5

CALCUTTA,
The 10th August 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Major Works for the month of May 1891, as compared with that of the corresponding month of the previous year.

CANALS.	TOLLAGE, 1891-92.		TOLLAGE, 1890-91.	
	During the month.	To end of the month.	During the month.	To end of the month.
*Orissa Circle.**	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Taldunda Canal System	11 1 6	661 9 11	.. ...	806 6 2
Kendrapara ditto	......	12,610 0 6	39 15 5	7,753 0 5
High Level, Range I	....	1,305 3 3	....	1,233 5 0
Ditto „ II	0 12 9	312 15 2	163 4 6	719 4 0
Ditto „ III	0 12 6	190 3 3	135 4 6	504 14 9
Jajepore Canal ...	.....	41 13 1	15 0 0	22 7 10
Total Orissa Circle ...	12 10 9	14,920 13 0	353 8 5	11,039 6 2
South-Western Circle.				
Midnapore Canal	4,076 5 9	10,709 10 6	8,492 5 0	19,397 3 3
Hidgellee Tidal Canal†	.. ...	......	1,509 13 0	3,210 5 0
Total South-Western Circle	4,076 5 9	10,709 10 6	10,002 2 0	22,607 8 3
Sone Circle.				
Patna Canal System‡ ...	17 10 6	852 15 3	200 9 11	4,025 15 2
Arrah ditto ...	2,964 8 9	5,638 1 9	2,381 11 3	4,459 0 6
Buxar ditto ...	1,177 3 3	2,160 0 9	970 11 3	2,167 9 9
Total Sone Circle ...	4,159 6 6	8,651 1 9	3,553 0 5	10,652 9 5
GRAND TOTAL ...	8,248 7 0	34,281 9 3	13,908 10 10	44,299 7 10

* The canals were closed for annual repairs during the month.
† The canal was closed for remodelling work during the month.
‡ The canal was closed for repairs from 5th April to 29th May 1891.

Government Transport Service.

CANAL.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
Orissa Circle.	No.	Mds.	Rs. A. P	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P
High Level ...	140	364	264 3 11	1,704	2,184	1,866 12 0	...	...	... ..	1,307	2,816	1,443 14 5
Total Orissa Circle	140	364	264 3 11	1,704	2,184	1,866 12 0	...	...	......	1,307	2,816	1,443 14 5

Total Navigation Receipts.

CANALS.	EARNINGS, 1891-92.		EARNINGS, 1890-91.	
	During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Orissa Canals ...	276 14 8	16,787 9 0	353 8 5	12,483 4 7
Midnapore Canal ...	4,076 5 9	10,709 10 6	8,492 5 0	19,397 3 3
Hidgellee Tidal Canal ...	......	.... ..	1,509 13 0	3,210 5 0
Sone Canals ...	4,159 6 6	8,651 1 9	3,553 0 5	10,652 9 5
Total ...	8,512 10 11	36,148 5 3	13,908 10 10	45,743 6 3

CALCUTTA.

The 10th August 1891.

G. A. G. SHAWE,

Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra, for the month of May 1891.

Date.	Distance. Miles.	River Ganges. Mirzapore.		Benares.		Buxar.		Dinapore.		Monghyr.		Sahebgunge.		Rampore Beauleah.		Goalundo.		River Bhagiruthee. Berhampore.		River Jellinghee. Sarupgunge.		River Brahmapootra. Gowhatty.	
		From Allahabad ... 88.		From Allahabad ... 134.	From Mirzapore 48.	From Benares 90.		From Benares 177.	From Buxar ... 87.	From Benares 287.	From Dinapore 110.	From Benares 381.	From Monghyr 94	From Benares 471.	From Sahebgunge ... 90.	From Benares 501.	From Rampore Beauleah ... 120.						
		Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.
1st ...	...	1·58	207·80	Below zero. 0·08	196·72	0·08	169·13	7·10	141·33	Below zero. 0·50	101·35	Below zero. 3·25	64·75	Below zero. 2·17	39·83	5·33	14·27	1·04	34·78	1·83	6·13	10·30	158·96
2nd ...	...	1·50	207·72	0·12	196·68	0·08	169·13	7·00	141·23	0·37	101·48	3·33	64·67	2·17	39·83	5·17	14·11	1·04	34·78	1·75	6·05	12·10	161·06
3rd ...	...	1·42	207·64	0·17	196·63	0·17	169·22	7·00	141·23	0·33	101·52	3·33	64·67	2·14	39·86	5·08	14·02	1·04	34·78	1·87	6·17	13·80	162·56
4th ...	...	1·50	207·72	0·21	196·59	0·25	169·30	7·00	141·23	0·42	101·43	3·42	64·58	2·12	39·88	5·83	14·77	1·04	34·78	2·17	6·47	14·50	163·26
5th ...	...	1·58	207·80	0·25	196·55	0·25	169·30	7·00	141·23	0·48	101·37	3·42	64·58	2·10	39·90	6·67	15·61	1·04	34·78	2·08	6·38	12·20	160·96
6th ...	...	1·58	207·80	0·29	196·51	0·25	169·30	7·00	141·23	0·52	101·33	3·50	64·50	2·08	39·92	7·33	16·27	1·04	35·78	2·67	6·97	10·40	159·16
7th ...	...	1·50	207·72	0·33	196·47	0·25	169·30	7·10	141·33	0·46	101·34	3·42	64·58	2·08	39·92	7·67	16·61	1·04	34·78	3·00	7·30	10·90	159·66
8th ...	...	1·50	207·72	0·33	196·47	0·17	169·22	7·10	141·33	0·46	101·39	3·17	64·83	2·06	39·94	8·08	17·02	1·04	34·78	3·50	7·80	10·70	159·46
9th ...	...	1·42	207·64	0·33	196·47	0·17	169·22	7·10	141·33	0·50	101·35	3·08	64·92	2·00	40·00	8·25	17·19	1·04	34·78	3·58	7·88	10·80	159·56
10th ...	...	1·42	207·64	0·37	196·43	0·08	169·13	7·10	141·33	0·54	101·31	3·17	64·83	1·98	40·02	8·33	17·27	1·08	34·82	2·67	6·97	11·00	159·76
11th ...	...	1·42	207·64	0·42	196·38	0·08	169·13	7·10	141·33	0·58	101·27	3·33	64·67	1·94	40·06	8·08	17·02	1·17	34·91	2·62	6·92	11·10	159·86
12th ...	...	1·33	207·55	0·46	196·34	0·08	169·13	7·05	141·28	0·58	101·27	3·25	64·75	1·89	40·11	7·83	16·77	1·29	35·03	2·00	6·30	10·50	159·26
13th ...	...	1·33	207·55	0·50	196·30	0·08	169·13	7·05	141·28	0·60	101·25	3·17	64·83	1·87	40·13	7·75	16·69	1·33	35·07	2·00	6·30	10·00	158·76
14th ...	...	1·33	207·55	0·54	196·26	0·08	169·13	7·10	141·33	0·62	101·23	3·17	64·83	1·85	40·15	8·00	16·94	1·42	35·16	1·83	6·13	9·10	157·86
15th ...	...	1·25	207·47	0·58	196·22	Below zero. 0·08	168·97	7·20	141·43	0·67	101·18	3·17	64·83	1·83	40·17	8·08	17·02	1·29	35·08	1·83	6·13	8·00	158·76
16th ...	...	1·25	207·47	0·67	196·13	0·17	168·88	7·20	141·43	0·67	101·18	3·25	64·75	1·79	40·21	8·08	17·02	1·25	34·99	1·75	6·05	7·80	156·56
17th ...	...	1·25	207·47	0·67	196·13	0·17	168·88	7·20	141·43	0·71	101·14	3·17	64·83	1·77	40·23	7·83	16·77	1·25	34·99	1·79	6·09	7·90	156·66
18th ...	...	1·25	207·47	0·67	196·13	0·25	168·80	7·20	141·43	0·75	101·10	3·08	64·92	1·75	40·25	7·50	16·44	1·21	34·95	1·83	6·13	7·10	155·86
19th ...	...	1·17	207·39	0·67	196·13	0·33	168·72	7·20	141·43	0·75	101·10	3·17	64·83	1·71	40·29	7·33	16·27	1·21	34·95	1·92	6·22	7·20	155·96
20th ...	...	1·17	207·39	0·67	196·13	0·33	168·72	7·20	141·43	0·62	101·23	3·08	64·92	1·67	40·33	7·00	15·94	1·21	34·95	1·92	6·22	7·50	156·26
21st ...	...	1·17	207·39	0·67	196·13	0·42	168·63	7·20	141·43	0·54	101·31	2·58	65·42	1·62	40·38	7·00	15·94	1·42	35·16	2·83	7·13	7·90	156·66
22nd ...	...	1·08	207·30	0·71	196·09	0·50	168·55	7·30	141·53	0·46	101·39	2·75	65·25	1·58	40·42	7·17	16·11	1·42	35·16	2·71	7·01	9·80	158·56
23rd ...	...	1·00	207·22	0·75	196·05	0·50	168·55	7·30	141·53	0·42	101·43	2·75	65·25	1·50	40·50	7·67	16·61	1·62	35·34	2·83	7·13	11·60	160·36
24th ...	...	0·83	207·05	0·75	196·05	0·58	168·47	7·35	141·58	0·25	101·60	2·83	65·17	1·42	40·58	7·83	16·77	1·75	35·40	2·71	7·01	12·90	161·66
25th ...	...	0·75	206·97	0·75	196·05	0·58	168·47	7·50	141·73	0·08	101·77	2·58	65·42	1·37	40·63	8·25	17·19	1·87	35·61	2·50	6·80	13·40	162·16
26th ...	...	0·50	206·72	0·75	[illegible]	0·58	168·47	7·60	141·83	Above zero. 0·25	102·10	1·67	66·33	1·25	40·75	8·75	17·69	2·25	35·99	4·92	9·22	14·30	163·06
27th ...	...	0·42	206·64	0·75	[illegible]	0·50	168·55	7·50	141·73	0·67	102·52	1·25	66·75	0·83	41·17	9·50	18·19	2·67	35·41	6·00	10·30	16·50	165·26
28th ...	...	0·25	206·47	0·75	196·05	0·50	168·55	7·50	141·73	0·79	102·64	0·42	67·58	0·33	41·67	9·50	18·44	4·17	37·91	8·92	13·22	17·10	165·86
29th ...	...	0·17	206·39	0·75	196·05	0·42	168·63	8·20	142·43	0·79	102·61	Above zero. 0·33	68·33	Above zero. 0·00	42·00	10·50	19·44	4·67	38·41	8·71	13·01	17·10	165·86
30th ...	...	0·33	206·55	0·75	196·05	0·42	168·83	8·70	142·93	1·17	103·02	Below zero. 0·42	67·58	0·83	42·83	11·00	19·94	5·25	39·99	8·42	12·72	16·10	164·86
31st ...	...	0·58	206·80	0·77	196·03	0·33	168·72	8·70	142·93	1·67	103·52	0·58	67·42	1·67	43·67	11·08	20·02	6·00	39·74	8·25	12·55	16·90	165·66

The 10th August 1891.

G. A. G. SHAWE.

Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 8th August 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 8th August 1891.			Week ending Saturday, the 9th August 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	406	77,575	1,293	386	88,500	1,339
Jute	50	18,900	351	46	11,800	249
Firewood	153	94,650	1,390	165	95,650	1,398
Other articles	665	1,89,030	2,607	722	2,05,995	2,652
Total ...	1,274	3,80,155	5,641	1,319	4,01,945	5,638

BENGAL CENTRAL RAILWAY.

Abstract of principal commodities carried over the Bengal Central Railway during the month of May 1891, as compared with the same month of the previous year.

Staples.	1891.		1890.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	777	......	1,387	......	1,657	1,677	80	......
Cotton, raw	......	......	......	8	......	8	......	8
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles								
b.—In boxes								
2.—Indian—	256	......	304	......	250	304	......	48
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	4	413	29	46	417	75	342	......
5.—Others	37	742	105	128	779	233	546	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	......	89	......	15	89	15	74	......
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed	......	264	......	59	266	59	207	......
2.—Gunny-bags and cloth	12	21	9	53	33	62	......	29
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	62	1	88	3	63	91	......	28
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	149	......	134	......	149	134	15	......
3.—Others	180	......	258	......	180	258	......	78
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	129	1,139	106	302	1,268	408	860	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	......	916	......	1,772	916	1,772	......	856
3.—Others	58	111	35	59	169	94	75	......
Railway plant and rolling-stock	......	......	......	......	151	187	......	36
Salt	580	......	365	......	580	365	215	......
Sugar—								
1.—Drained	100	555	61	490	655	551	104	......
2.—Undrained								
Tobacco	170	39	17	53	209	70	139	......
All other articles of merchandise—								
1.—Unmanufactured	1,743	854	592	425	2,597	1,017	1,580	......
2.—Manufactured								
Total ...	4,257	5,140	3,490	3,413	10,434	7,280	4,237	1,083

Comparative statement, Bengal Central Railway.

INCREASES.

	Tons.		Tons.
Grains	546	Oil-seeds	860
Good crops and a favourable market.		Good crops and a favourable market.	

DECREASES.

	Tons.
Betelnuts	856
Ordinary fluctuations.	

CALCUTTA, *the 4th August* 1891.

G. M. DRURY,
Traffic Superintendent.

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of May 1891, *as compared with the same month of the previous year.*

Staples.	1891.		1890.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons	Tons.	Tons.	Tons.	Tons.
Coal	2,416	2,558	7,869	2,355	14,969	10,224	4,745	......
Cotton, raw	......	302	......	201	302	201	101	......
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	2,078	148	2,556	66	2,226	2,622	......	396
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	2,719	4,808	2,551	4,584	7,527	7,135	392	......
5.—Others	1,922	11,315	1,215	9,595	13,237	10,810	2,427	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	7	558	......	309	565	309	256	......
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	......	1,117	......	805	1,117	805	312	......
b.—Unscrewed	137	4,783	4	5,441	4,920	5,445	......	525
2.—Gunny-bags and cloth	387	1,013	160	1,499	1,400	1,659	......	259
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	821	98	801	66	919	867	52	......
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	1,488	10	548	8	1,498	550	948	......
3.—Others	376	30	416	11	406	427	......	21
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	483	6,317	102	5,170	6,800	5,272	1,528	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	116	898	52	846	1,014	898	116	......
3.—Others	783	404	444	385	1,187	829	358	......
Railway plant and rolling-stock	......	......	......	......	11,077	12,374	...	397
Salt	6,412	37	5,623	32	6,449	5,655	794	......
Sugar—								
1.—Drained	778	712	634	645	1,490	1,279	211	......
2.—Undrained								
Tea—								
1.—Foreign	......	1,333	......	671	1,333	671	662	......
2.—Indian								
Wood—								
1.—Timber	87	72	72	49	159	121	38	......
2.—Firewood	1,541	......	1,627	......	1,541	1,627	......	86
Tobacco	210	2,975	21	1,911	3,185	1,932	1,253	......
All other articles of merchandise—								
1.—Unmanufactured	5,543	3,257	3,356	3,625	8,800	6,981	1,819	......
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Sections) ..	840	......	425	......	840	425	415	......
Total ...	29,144	42,745	28,470	38,274	93,861	79,124	16,421	1,684

Comparative statement, Eastern Bengal State Railway.

INCREASES.

	Tons.
Coal	4,745
For railway and flotilla consumption.	
Grains	2,427
Good crops and an improved market.	
Oil-seeds	1,528
Good crops and a favourable market.	
Tobacco	1,253
Good crops and a favourable market. Siliguri contributed the bulk of the increase.	

G. M. DRURY,
Traffic Superintendent.

CALCUTTA, *the 4th August* 1891.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the four weeks and three days ending 30th June 1891, as compared with the same period of 1890.

STAPLES.	1890. Weight.	1890. Freight.	1891. Weight.	1891. Freight.	INCREASE. Weight.	INCREASE. Freight.	DECREASE. Weight.	DECREASE. Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Coke	2,15,254	31,201	2,50,771	38,462	35,517	7,201	...	...
Cotton, raw	36,088	31,084	29,585	23,343	......	......	6,503	7,741
Cotton twist and yarn—								
1.—European	6,311	7,674	5,842	7,011	......	......	469	563
2.—Indian	14,819	8,752	22,923	13,462	8,104	4,710	......	......
Cotton piece-goods—								
1.—European	76,006	86,181	86,602	1,09,338	10,596	23,157	......	......
2.—Indian	15,440	8,223	10,889	6,814	......	... ..	4,551	1,409
Drugs and Chemicals—								
1.—Intoxicating other than opium	1,797	995	1,825	857	28	......	... ..	138
2.—Non-intoxicating	1,480	1,574	8,772	8,569	7,292	6,995	......	......
Dyes and Tans—								
1.—Indigo	457	339	402	235	......	......	55	104
2.—Myrabolams	9,175	2,686	6,660	2,215	... ..	......	2,515	471
3.—Aniline dyes	.....	......	299	294	299	294	......	... ..
4.—Cutch	.. ...	......	3,699	1,347	3,699	1,347	.. ...	-
5.—Paints and colours	1,541	1,705	5,501	2,743	3,960	1,038	......	......
6.—Others	8,587	3,911	4,369	1,534	......	......	4,218	2,389
Grains—								
1.—Wheat	3,93,830	103,405	22,50,252	5,51,753	18,56,422	4,48,348	... ..	... .
2.—Rice	3,19,518	53,795	5,08,811	96,047	1,89,293	42,252	......	......
3.—Jawar and bajra	......	......	15,137	1,388	15,137	1,388	......	.. ..
4.—Gram	......	......	69,961	11,507	69,961	11,507	.... .	...
5.—Indigo seed	6,256	1,526	6,115	1,338	....	. .	141	188
6.—Seeds other than oil-seeds	40,191	15,394	46,118	23,372	5,927	7,978	......	. . .
7.—Others	3,16,177	77,149	3,87,945	73,273	71,768	...	... ..	3,876
Hides and Skins—								
1.—Hides of cattle	23,355	11,945	27,399	15,494	4,044	3,549	.. ...	......
2.—Skins of sheep, &c.	11,038	6,204	14,466	8,996	3,428	2,792	......	......
Horns	1,384	993	2,609	1,480	1,225	487	......	......
Jute—								
1.—Raw	12,861	1,508	20,362	3,807	7,501	2,299	... .	. . .
2.—Gunny-bags and cloth	68,993	38,478	1,71,348	1,03,013	1,02,355	64,535	......	......
Lac—								
1.—Stick	15,464	4,974	33,381	10,382	17,917	5,408	.... .	... ..
2.—Shell lac	7,720	5,108	19,875	12,905	12,155	7,797	... ..	......
Leather—								
1.—Unmanufactured	1,099	1,327	1,645	2,813	546	1,486	......	......
2.—Manufactured	1,105	1,453	3,117	3,532	2,012	2,079	......	......
Liquors—								
1.—Beer	3,625	3,261	9,674	5,897	6,049	2,636	......	... ..
2.—Wines } 3.—Spirits }	2,861	5,284	2,137 / 1,584	3,709 / 2,259	860	684	.... .	......
Metals—								
1.—Copper, unwrought } 2.—Brass, unwrought } 3.—Brass and copper wrought }	18,482	11,641	3,525 / 2,940 / 9,223	3,668 / 1,928 / 4,469	......	... ..	2,794	1,576
4.—Iron	2,72,593	1,46,291	2,69,944	1,26,845	.. .	..	2,649	19,446
5.—Tin	1,302	1,517	3,469	2,782	2,167	1,265	......	......
6.—Others	2,153	2,016	7,779	5,934	5,626	3,918	......	......
Oils—								
1.—Castor } 2.—Kerosine } 3.—Others }	46,735	18,996	3,464 / 1,00,369 / 9,068	865 / 57,016 / 4,494	66,166	43,379	......	......
Oil-seeds—								
1.—Linseed	6,56,893	1,94,264	10,95,527	3,50,912	4,38,634	1,56,648	... .	... ..
2.—Rape and mustard	1,40,742	33,374	1,32,775	29,638	... ..	...	7,967	3,736
3.—Til or jinjili	5,560	1,223	21,513	4,586	15,953	3,363	......	......
4.—Castor } 5.—Poppy } 6.—Others }	1,59,362	46,523	88,302 / 82,523 / 9,759	21,786 / 28,167 / 2,322	21,222	5,752	......	......
Opium	2,955	2,890	2,308	1,819	.. ..	..	647	1,071
Paper and paste board	8,495	4,461	12,063	7,807	3,568	3,346	......	... ..
Provisions—								
1.—Ghee	22,142	15,802	22,826	20,113	684	4,311	......	... ..
2.—Dried fruits and nuts	4,555	2,133	24,440	23,114	19,885	20,981	....	......
3.—Cocoanuts	3,694	2,113	4,955	2,199	1,261	86	......	......
4.—Turmeric	10,584	7,472	18,446	19,545	7,862	12,073	.. ...	......
5.—Others	68,402	43,352	65,632	26,891	... .	... ..	2,770	16,461
Salt	7,02,230	1,43,857	7,14,012	1,28,823	11,782	.. ..	......	15,034
Saltpetre, &c.—								
1.—Saltpetre	48,596	21,664	55,176	24,133	6,580	2,469	... .	......
2.—Borax	876	547	749	680	... .	133	127	......
3.—Other saline substances	22,572	6,643	43,460	11,712	20,888	5,069	..	......
Silk, raw—								
1. Foreign } 2. Indian }	1,504	998	6 / 2,135	16 / 1,369	637	387	.....	......
Silk Piece-goods—								
1.—Foreign	16	48	5	5	... ..	.. ..	11	43
2.—Indian	562	508	212	242	......	. ..	350	266
Spices—								
1.—Pepper } 2.—Others }	12,791	7,680	4,928 / 18,132	5,562 / 8,803	10,269	6,685	......	......
Sugar—								
1.—Drained	1,04,890	15,447	67,829	14,017	.. ..	.. ..	37,061	1,430
2.—Undrained	1,32,528	31,020	1,96,544	27,087	64,216	......	......	3,933
Stone and lime	4,16,139	51,930	3,68,629	48,485	......	......	46,510	3,445
Tea—								
1.—Foreign	2	1	......	......	. ...	......	... ..	......
2.—Indian	2,870	2,063	6,770	8,837	3,900	6,774	......	......
Timber, &c.—								
1.—Timber	31,852	5,722	64,712	11,313	32,860	5,591	......	... ..
2.—Firewood	68,522	4,904	55,632	3,958	... ..	...	12,890	946
Tobacco	1,12,244	48,427	1,24,138	43,421	11,894	......	......	5,006
Umbrellas	......	.. ...	620	720	620	720	......	... ..
Wool—								
1.—Raw	2,171	2,069	1,496	652	.....	... .	675	1,417
2.—Piece-goods—								
a.—European	135	158	267	532	132	374	......	......
b.—Indian	1,129	656	2,162	1,593	1,033	937	......	......
3.—Shawls	.....	. ...	...	......	......	. ..	......	.. ..
All other articles of merchandise	3,54,077	1,47,499	3,99,808	98,987	45,731	.....	......	48,512
Total	50,48,864	15,42,944	81,15,735	23,37,439	30,96,871	7,94,495	......	... ..
Military stores	21,113	24,651	27,099	50,836	5,986	26,185	......	... ..
Coal—								
1.—For public	25,67,220	4,05,403	34,57,118	5,77,761	8,89,898	1,72,358	......	.. ...
2.— „ Railway	4,78,066	30,798	6,37,978	48,474	1,59,912	17,676	......	... ..
Railway Materials—								
1.—For construction and revenue	2,23,402	34,020	8,12,226	31,734	5,88,824	......	......	2,286
Live-stock	......	4,072	......	2,818	... ..	......	.. ...	1,254
Total	83,38,665	20,41,888	1,30,80,156	30,49,062	47,41,491	10,07,174	......	......

E. WEATHERDON, *Assistant Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, *the 7th August* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the week ended 1st August 1891, *on* 1,525½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*234,202	*2,47,666 7 0	21,00,191 0	4,89,732 8 0	17,098 1 0	7,54,497 0 0	72,017½	87,125	159,142½
Or per mile of railway	......	162 5 7	.....	321 0 6	11 3 4	494 9 5	......	......	......
For previous 4 weeks of half-year	951,076	9,38,984 7 0	87,16,581 10	20,95,362 10 0	66,568 11 0	31,00,015 12 0	258,901	374,040	632,941
Total for 5 weeks ...	1,185,278	11,86,650 14 0	1,08,16,772 10	25,85,095 2 0	83,666 12 0	38,55,412 12 0	330,918½	461,165	792,083½
Comparison.									
Total for corresponding week of previous year	230,161½	2,19,865 15 3	15,45,052 20	3,24,731 9 6	15,067 3 8	5,59,664 12 5	66,550	69,760	136,310
Per mile of railway corresponding week of previous year ...	......	144 2 1	......	212 13 11	9 14 0	366 14 0	......	......	......
Total to corresponding date of previous year	1,107,092½	11,02,126 7 11	85,42,986 10	18,09,400 5 0	77,500 11 3	30,79,042 8 2	307,297	366,209	673,506

* The increase in coaching traffic is chiefly in B District, and is presumably due to journeys undertaken by the labouring classes in search of employment.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 1st August 1891, *on* 57⅕ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,825	4,801 9 0	64,772 30	3,975 10 0	54 0 0	8,831 3 0	980	730	1,710
Or per mile of railway	172	83 15 1	1,132 20	69 8 1	0 15 1	154 6 3	......	......	......
For previous 4 weeks of half-year	37,040	18,312 2 0	2,36,571 20	13,885 7 0	189 0 0	32,386 9 0	3,581	2,689	6,270
Total for 5 weeks ...	46,865	23,113 11 0	3,01,344 10	17,861 1 0	243 0 0	41,217 12 0	4,561	3,419	7,980
Comparison.									
Total for corresponding week of previous year	9,380½	4,760 2 7	21,226 30	1,444 2 0	47 12 3	6,252 0 10	1,044	552	1,596
Per mile of railway corresponding week of previous year ...	164	83 3 6	371 10	25 4 0	0 13 4	109 4 10	......	......	......
Total to corresponding date of previous year	49,088½	25,415 13 9	1,89,246 20	11,080 7 0	218 15 9	36,715 4 6	4,481	3,195	7,676

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 1st August 1891, *on* 22¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,637	4,093 13 0	4,468 20	157 2 0	13 0 0	4,263 15 0	905	63	968
Or per mile of railway	......	183 15 10	......	7 1 0	0 9 4	191 10 2	......	......	......
For previous 4 weeks of half-year	76,084	18,133 5 0	19,207 20	663 12 0	45 0 0	18,842 1 0	3,288	254	3,542
Total for 5 weeks ...	92,721	22,227 2 0	23,676 0	820 14 0	58 0 0	23,106 0 0	4,193	317	4,510
Comparison.									
Total for corresponding week of previous year	15,982½	3,988 4 7	4,306 10	153 4 0	5 8 3	4,147 0 10	916	52	968
Per mile of railway corresponding week of previous year ...	......	179 4 0	......	6 14 2	0 4 0	186 6 2	......	......	......
Total to corresponding date of previous year	86,877½	20,945 14 3	21,088 20	750 9 0	27 5 3	21,723 12 6	4,336	218	4,554

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for the week ended 1st August 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	13,767	9,808 10 0	30,900 10	6,180 0 0	70 0 0	16,059 3 0	6,841	1,563½	8,404½
Or per mile of railway	......	60 8 9	......	38 2 5	0 6 11	99 2 1	......	......	......
For previous 4 weeks of half-year	58,250	37,096 1 0	1,53,312 10	26,889 14 3	245 0 0	65,130 15 3	23,932½	5,386½	29,319
Total for 5 weeks ...	72,017	47,804 11 0	1,84,212 20	33,070 7 3	315 0 0	81,190 2 3	30,773½	6,950	37,723½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 1st August 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week... ...	141,905	63,070 0 0	4,73,361 0	1,07,500 0 0	22,010 0 0	1,93,540 0 0	25,500	28,394	53,894
Or per mile of railway	183	82 0 0	609 0	138 0 0	*10 0 0	230 0 0	......	......	......
For previous 4 weeks of half-year	581,476	2,43,520 0 0	16,30,861 0	3,17,010 0 0	42,080 0 0	6,02,610 0 0	92,100	99,426	191,526
Total for 5 weeks ...	723,381	3,07,490 0 0	21,04,222 0	4,24,570 0 0	64,090 0 0	7,96,150 0 0	117,600	127,820	245,420
Comparison.									
Total for corresponding week of previous year	181,126	53,676 0 0	5,11,375 0	1,25,730 0 0	23,535 0 0	2,02,941 0 0	24,005	30,974	54,979
Per mile of railway corresponding period of previous year ...	172	70 0 0	670 0	165 0 0	*12 0 0	247 0 0	......	......	......
Total to corresponding date of previous year	685,022	2,83,836 0 0	2,381,424 0	4,90,250 0 0	78,733 0 0	8,52,825 0 0	117,025	136,361	253,386

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 1st August 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	24,168	9,200 0 0	29,680 0	2,140 0 0	30 0 0	11,370 0 0	3,796	1,937	5,733
Or per mile of railway	193	74 0 0	237 0	17 0 0	......	91 0 0	......	......	......
For previous 4 weeks of half-year	98,842	35,610 0 0	1,32,547 0	9,760 0 0	310 0 0	45,680 0 0	13,557	7,048	20,605
Total for 5 weeks ...	123,010	44,810 0 0	162,227 0	11,900 0 0	340 0 0	57,050 0 0	17,353	8,985	26,338
Comparison.									
Total for corresponding 12 days of previous year	23,803	8,103 0 0	34,648 0	2,265 0 0	224 0 0	10,592 0 0	3,796	1,932	5,728
Per mile of railway corresponding period of previous year ...	190	65 0 0	277 0	18 0 0	2 0 0	85 0 0	......	......	......
Total to corresponding date of previous year	132,045	42,437 0 0	1,74,691 0	10,400 0 0	1,027 0 0	53,864 0 0	17,645	9,180	26,825

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 1st August 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	14,911	4,750 0 0	6,612 0	520 0 0	440 0 0	5,710 0 0	2,885	849	3,734
Or per mile of railway	57	55 0 0	77 0	6 0 0	5 0 0	66 0 0	......	......	......
For previous 4 weeks of half-year	58,045	17,330 0 0	23,828 0	2,070 0 0	340 0 0	19,740 0 0	8,828	2,400	11,228
Total for 5 weeks ...	72,956	22,080 0 0	30,440 0	2,590 0 0	780 0 0	25,450 0 0	11,713	3,249	14,962
Comparison.									
Total for corresponding week of previous year	14,297	4,085 0 0	15,026 0	919 0 0	210 0 0	5,214 0 0	2,414	890	3,304
Per mile of railway corresponding period of previous year	166	48 0 0	175 0	11 0 0	2 0 0	61 0 0	......	......	......
Total to corresponding date of previous year	67,987	21,199 0 0	57,602 0	4,566 0 0	2,687 0 0	28,452 0 0	11,415	3,451	14,866

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 1st August 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,326	1,210 0 0	4,278 0	290 0 0	20 0 0	1,520 0 0	546	517	1,063
Or per mile of railway	122	44 0 0	157 0	11 0 0	1 0 0	56 0 0	......	......	......
For previous 4 weeks of half-year	11,709	4,280 0 0	39,735 0	2,110 0 0	70 0 0	6,460 0 0	1,939	1,986	3,925
Total for 5 weeks ...	15,035	5,490 0 0	44,013 0	2,400 0 0	90 0 0	7,980 0 0	2,485	2,503	4,988
Comparison.									
Total for corresponding week of previous year	3,857	1,416 0 0	7,968 0	109 0 0	16 0 0	1,541 0 0	546	544	1,090
Per mile of railway corresponding period of previous year ...	142	52 0 0	289 0	15 0 0	1 0 0	68 0 0	......	......	......
Total to corresponding date of previous year	15,895	5,930 0 0	60,503 0	3,284 0 0	97 0 0	9,311 0 0	2,575	2,766	5,341

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 25th July 1891, on 712 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 712 miles open	89,660	39,220	4,02,830	42,300	8,050	89,570	10,024	17,939	29,963
Or per mile of railway ...	125·93	55·08	565·77	59 41	11·31	125·80	......	......	......
For previous 2¾ weeks of half-year	229,020	92,990	10,56,240	1,35,050	23,980	2,52,020	22,745	46,758	69,503
Total for 3¾ weeks ...	318,680	1,32,210	14,59,070	1,77,350	32,030	3,41,590	32,769	64,697	97,466
Comparison.									
Total for corresponding week of previous year on 691 miles open	a 75,085	28,333	a 2,17,943	25,908	6,661	60,902	10,912	12,586	23,498
Per mile of corresponding week of previous year	109 96	41·00	315·40	37·49	9 64	88·13	......	......	......
Total to corresponding date of previous year	a 274,658	98,873	a 9,69,398	1,09,996	24,934	2,33,803	40,101	47,175	87,276

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 25th July 1891.	Week ending 26th July 1890.	Week ending 25th July 1891.	Week ending 26th July 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	17,920 0 0	15,333 0 0	21,300 0 0	12,999 0 0
Goods	20,950 0 0	15,075 0 0	21,350 0 0	10,833 0 0
Other earnings	4,920 0 0	4,699 0 0	3,130 0 0	1,963 0 0
Total ...	43,790 0 0	35,107 0 0	45,780 0 0	25,795 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for the first 11 days of July 1891	15,223	0	0
Corresponding period of 1890	14,996	0	0
Increase	227	0	0
Receipts per mile for the first 11 days of July 1891	298	7	10
Corresponding period of 1890	294	0	9
Increase	4	7	1

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 18th July 1891	9,152	0	0
Corresponding period of 1890	6,797	0	0
Increase	2,355	0	0
Receipts per mile for week ending 18th July 1891	179	7	3
Corresponding period of 1890	133	4	4
Increase	46	2	11
Receipts from 1st to 18th July 1891	24,375	0	0
Corresponding period of 1890	21,793	0	0
Increase	2,582	0	0

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CONTENTS.

RESOLUTION ON THE STATISTICAL RETURNS OF VACCINATION IN BENGAL FOR 1890-91 WITH BRIEF NOTES BY THE SANITARY COMMISSIONER.

MUNICIPAL DEPARTMENT—SANITATION.

Calcutta, the 13th August 1891.

RESOLUTION No. 1823.

READ—

The statistical returns of vaccination in Bengal for 1890-91 with brief notes by the Sanitary Commissioner.

Read also—

The statistical returns for 1889-90, which were incorporated with the triennial report on vaccination for 1887—90, and the Resolution recorded on it.

The statistical returns of vaccination for 1890-91 have been submitted with brief notes by Dr. W. H. Gregg, Sanitary Commissioner for Bengal, who was in charge of the department throughout the year. Under recent orders these returns should have reached Government on the 15th June, but they were not received until the 20th July. The delay is said to have been due to the difficulty of obtaining the necessary statistics from several municipalities. It is hoped that in future years arrangements will be made for the more punctual submission of municipal returns. The vaccination work carried on in municipalities is on a comparatively small scale, and the statements setting forth its results ought to be ready within a fortnight from the close of the official year.

2. The following table shows the strength of the working establishment in 1890-91 and the previous year :—

YEAR.	Superintendents.	Deputy Superintendents.	Inspectors.	Head vaccinators or supervisors.	VACCINATORS.		APPRENTICES.		REMARKS.
					Paid.	Licensed.	Paid.	Licensed.	
1890-91	8*	14	119	15	145	1,631	14	594	* Including the Health Officer of the town of Calcutta, who is in charge of the vaccination work of the town.
1889-90	8*	14	110	21	179	1,480	31	588	

The increase in the number of licensed vaccinators was caused by the extension of the licensed system in the Eastern Bengal, Behar, and Orissa circles. Four additional Inspectors were appointed in the Ranchee Circle, and the Assistant Surgeon in charge of vaccination and sanitation in the suburbs of Calcutta was replaced by a special Inspector.

3. The following table shows the total number of vaccinations performed in 1890-91 as compared with those for 1889-90 :—

		1890-91.	1889-90.
Calcutta	... ...	17,498	26,280
Metropolitan	Circle	388,857	417,822
Darjeeling	ditto	492,675	445,711
Ranchee	ditto	147,203	149,682
Eastern Bengal	ditto	321,706	391,816
Orissa	ditto	138,715	101,588
Behar	ditto	239,407	170,389
Total vaccination circles	...	1,746,061	1,703,288
Municipalities and dispensaries, &c.	...	87,917	102,182
Grand Total	...	1,833,978	1,805,470

4. There has been an increase of 28,508 cases in the Darjeeling, Orissa and Behar circles of vaccination, and a decrease in the Metropolitan, Ranchee and Eastern Bengal circles, as well as in municipalities and in the town of Calcutta. The Metropolitan and Eastern Bengal circles and the municipalities show a very marked falling off, the numbers being 28,965, 70,110 and 14,265 respectively. The decrease of 8,782 or 33·4 per cent. in the town of Calcutta is attributed to the large number of operations (26,280) during the small-pox epidemic of the previous year having left fewer subjects to be operated on during the year under report. In the Eastern Bengal Circle, where the ratio of decrease reaches 18·0 per cent., and corresponds closely to the reduction shown in the number of operations, the Deputy Superintendent explains that in Chittagong the number of operations fell off by 103,507—a decrease which he ascribes to the fact that the licensed vaccinators had to work in the areas which had been gone over by them in the previous year. However this may be, it is a significant fact that during the last three years vaccination in the Chittagong district shows a progressive falling off, as indicated in the following statement :—

1888-89	... ...	287,818
1889-90	... ...	151,855
1890-91	... ...	47,526,

and that the close of the last year in the series was marked by a serious outbreak of small-pox in the town of Chittagong, in the course of which it became apparent that the people regarded vaccination with considerable distrust. Inquiry into the recent management of vaccination in the town showed that out of 547 persons vaccinated during the year 1887-88 within Municipal limits under the immediate supervision of the Civil Surgeon, as many as 331 or 60·5 per cent. had been attacked by small-pox. In 1888-89 the proportion of attacked among those who had been vaccinated was 39·1; in the next year 31·5, and it was only in 1890-91, when the outbreak had drawn attention to the subject, that the proportion fell to 6·5 per cent. When vaccination carried on

in a limited area, with exceptional facilities for constant supervision, is found to yield such defective results, it becomes difficult to believe in the accuracy of the returns of successful operations in areas where no thorough check can be applied. It is clear that in many parts of Bengal the people have a strong prejudice against the lymph that is used for vaccination, and until this prejudice has been removed by fuller experience of the benefits of vaccination, no real and continuous progress can be looked for. Distrust of the lymph seems to be the main cause which hinders the expansion of the operations of the Department, and the efforts of the Sanitary Commissioner should now be directed to the production of lymph of a sound and uniform character. This branch of the subject has hitherto not been very fully treated in the annual report. In future reports the Lieutenant-Governor would wish the Sanitary Commissioner to show more clearly what is done to secure good lymph, not only on a first distribution to the vaccinator, but as used by him eventually; what checks there are on his return of operations and of success; what reports and complaints regarding bad lymph are received, and what amount of truth is in them.

5. The percentage of successful cases, excluding cases the results of which are unknown, is returned as 99·25 for primary and 39·62 for secondary operations. The statistics of secondary operations give a successful percentage in Eastern Bengal of 83·33 and in Orissa of 94·11. Experience tends to show that it is extremely improbable that so large a ratio of success should be attained in cases of this class, and such returns cannot be accepted as trustworthy. Each licensed vaccinator performed on an average 694 operations against 733 in 1889-90, and each Government vaccinator 1,267 against 893 in the previous year, the average for the three years 1887—90 being 1,475 for Government vaccinators and 671 for licensed vaccinators. For municipal vaccinators the average fell from 405 in 1889-90 to 346 in the year under report. The proportion of males among persons vaccinated was 51·60, and of females 48·40.

6. In every circle the returns of supervision done by the Superintendents of Vaccination show an appreciable increase in the number of cases inspected. The percentage of such cases to the total number of vaccinations ranges from 29·81 in the Orissa Circle to 3·38 in the Darjeeling Circle, and ·60 in the town of Calcutta. On the other hand, five out of the fourteen Deputy Superintendents did a smaller amount of inspection than in the preceding year. The work of inspection, however, cannot be judged only by quantity, and the Sanitary Commissioner ought to satisfy himself by personal examination that these returns of villages visited and cases inspected really represent a careful examination of the work done by the licensed or salaried vaccinators, and not merely a hurried compliance with an arbitrary departmental standard of supervision.

7. Some interesting results may be arrived at by comparing the registered deaths from small-pox as shown for each district in Bengal in Statement V (*b*) with the diagram given on page 11, to illustrate the proportion of the population protected by vaccination during the last seven years. If the returns of successful vaccinations and the mortuary statistics were both accurate, it might be expected, as a general rule, that districts with the highest proportion of persons protected by vaccination would have the lowest death-rates from small-pox, and conversely that districts, where only a small proportion of the population is protected, would show a comparatively high small-pox mortality. Notwithstanding the admitted imperfection of both sets of figures, a distinct tendency towards some such correspondence between increased protection and reduced death-rate may be traced on the diagram referred to. The following districts returning a high vaccination rate show, with the single exception of Chittagong, a low death-rate from small-pox, thus—

	Protected per 1,000 for 1884—91.	Death-rate per 1,000 for 1890-91.
Darjeeling	680	·01
Chittagong	460	·32
Backergunge	325	·03
Singbhoom	280	·18
Tipperah	278	·02
Maldah	268	·02

while the following districts, with a low ratio of protected population, have a comparatively high death-rate from small-pox :—

	Protected per 1,000 for 1884—91.	Death-rate per 1,000 for 1890-91.
Mozufferpore	97	·20
Durbhunga	10	·10
Sarun	60	·27
Chumparun	79	·87
Gya	89	·40
Puri	127	·84
Midnapore	160	·98

It should be added that in Chittagong, the one district where the statistics appear to conflict with the tendency noticed above, recent inquiries have shown that the work of vaccination was very indifferently done during the last three years, and that the protection afforded was little better than nominal. On the whole, therefore, there seem to be statistical grounds for the conclusion that some real progress is being made, and that vaccination in Bengal, in spite of bad lymph and careless operators, does afford substantial protection from small-pox. In order to make the protection more effective and to extend its range, it seems to the Lieutenant-Governor that considerable changes must be introduced into the internal organization of the Department. Closer local supervision, and more intimate relations with the district executive, seem to be needed in order to induce the people to take more freely to vaccination; and Sir Charles Elliott doubts whether this object can be attained under a system which has all the defects of centralisation, and few, if any, of its advantages.

8. The total cost of vaccination was Rs. 1,82,400-4-3 against Rs. 1,72,696-5-9 in 1889-90, showing an increase of Rs. 9,703-14-6. The average cost of each successful case has also increased from one anna six pie in 1889-90 to one anna and seven pie in 1890-91. It was as usual highest in Calcutta, where each operation cost Re. 1-3-4, and lowest in Eastern Bengal, where the cost was only ten pie.

9. Dr. Gregg again speaks very unfavourably of the working of the animal vaccination depôt in Calcutta. The lymph supplied in tubes has frequently failed even when used immediately on receipt from the depôt, and its failure is ascribed by Dr. Gregg to carelessness in extraction and storage. This is the third time that the working of the depôt has been reported as unsatisfactory, and the Superintendent of the Metropolitan circle, who was in charge of it, has since been transferred to another appointment. The establishment of an animal vaccination depôt at Darjeeling has been under consideration for some time past, but considerable difficulty was found in obtaining a proper site. A suitable piece of land has at last been selected at the north base of Senchal. Steps are being taken to provide the necessary buildings, and it is hoped that the depôt will be got into working order during the current year.

10. In discussing the attitude of the people towards vaccination, the Sanitary Commissioner writes as if they had only now discovered that the operation is not compulsory in rural areas. He says that many members of the higher and wealthier Hindu castes habitually evade vaccination, and that everywhere there is difficulty in realising the vaccinator's fees. As a remedy for the former difficulty, Dr. Gregg proposes to extend the compulsory clauses of the Vaccination Act to rural areas; while he suggests that the latter might be got over by making a vaccinator's fees recoverable through the village panchayat like the chowkidari tax. Neither suggestion seems to the Lieutenant-Governor to be practicable nor desirable. The whole question of the organisation of the Vaccination Department is now under consideration, and Sir Charles Elliott would rather remodel it on a district or divisional basis, so as to extend the duties of the Civil Surgeon, than resort to compulsory provisions without adequate machinery to enforce them.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Government of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 15*th August*, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
		Western Districts.		
BURDWAN DIVN.	1	Burdwan August 15, '91	8·33	Weather—cloudy with intermittent heavy rain. Transplantation of *aman* going on. State of *aus* and sugarcane good. Price of common rice at Burdwan 16 seers per rupee.
	2	Baukoora „ 15, '91	6·54	Break in the rains at date of report. There has been heavy rain during the week. Transplantation of *aman* nearly finished. Sugarcane doing well. Common rice selling at 18¾ seers per rupee at Sudder and 17¼ seers at Bishenpur.
		Bishenpur ...	7·99	
	3	Birbhum „ 15, '91	5·05	Strong wind with plenty of rain. Crop prospects are now very good. Price of rice ranges from 16 to 19 seers per rupee.
	4	Midnapur „ 15, '91	13·50	Heavy and continuous rain. Cultivation of *aman* rice continues, but in low-lying lands the seedlings are flooded and will suffer if the rain continues. Sugarcane doing well. Prices of common rice :— Srs. Sudder ... ... 16 } per rupee. Contai ... ... 14 } Tamluk ... ... 16 }
	5	Hooghly „ 15, '91	4·21	Weather—cloudy with frequent heavy rain. All crops doing very well, the weather being most favourable. Prices of common rice :— Srs. Sudder ... ... 14 } per rupee. Serampore ... ... 14 } Jehanabad ... ... 17 }
		Serampore ...	6·19	
		Jehanabad ...	5·77	
	6	Howrah „ 15, '91	5·94	Weather—very wet. Prospects of paddy, jute, and sugarcane excellent. Transplanting of *aman* still going on. Price of coarse rice 14 to 14½ seers per rupee.
		Uluberia ...	6·75	
		Central Districts.		
PRESIDENCY DIVN.	7	24-Perghs. August 18, '91	7·94	Weather—seasonable: hot and rainy. Good rain everywhere. Satisfactory reports on the state of the crops received from all sides. The rainfall of the week has greatly facilitated transplantation, but the young plants on low lands in some places in the Diamond Harbour subdivision have been submerged owing to excessive rain. Prices stationary.
	8	Nuddea „ 15, '91	3·02	Weather—seasonable. Rain has done good to paddy. Harvesting of *aus* and jute going on. Prospects of other crops good.
		Kushtea ...	2·25	
		Meherpur ...	3·68	
		Chuadanga ...	6·5	
		Ranaghat ...	4·42	
	9	Khoolna „ 15, '91	3·82	Weather—rainy ; clear and warm to-day (15th). Prospects of jute, sugarcane, and *aus* good. Good rain has fallen during the week, and prospects of *aman* have been improved. Transplantation nearly complete in the northern parts of the district. No change in prices since last report.
		Bagirhat ...	4·88	
		Satkhira ...	5·18	
	10	Jessore „ 15, '91	5·08	Continual drizzling throughout the week. Rivers are still confined to their beds. Flood-water is now needed for *aman* paddy. *Aus* paddy harvest and indigo manufacture continue.
		Jhenidah ...	2·06	
		Magura ...	1·13	
		Narail ...	1·64	
		Bongong ...	4·90	
	11	Murshedabad „ 17, '91	1·95	Weather - seasonable. Transplantation of *aman* going on. *Bhadoi* is being harvested; a full crop is expected at Kandi. Jute and sugarcane thriving.
RAJSHAHYE DIVN.	12	Dinagepur „ 15, '91	1·03	Weather—cloudy with high east winds. Transplantation of *haimanti* paddy still continues ; about 9 annas completed. More rain wanted for high lands. Outturn of jute and *bhadoi* expected to be 10 annas. Prospects of standing crops fair. Price of rice unchanged.
		Thakurgaon ...	1·46	
	13	Rajshahye „ 17, '91	0·91	Weather - hot and cloudy with occasional rain. Harvesting of jute and *aus* paddy going on. Prospects of standing crops favourable.
		Nattore	4·06	
		Nowgong ...	2·63	
	14	Rungpur „ 15, '91	0·96	Weather—seasonable. Transplantation of *aman* continues. More rain wanted. Prospects of other crops fair.
		Nilphamari ...	0·83	
		Kurigram ...	0·60	
		Gaibanda ...	3·45	
	15	Bogra „ 15, '91	1·14	Weather—very unsettled. Harvesting of *aus* rice nearly finished with good outturn. Jute is being cut. *Aman* rice is being transplanted. More rain wanted. Sugarcane doing well. Common rice, as before, selling at 16 seers a rupee.
		Sherpur ...	1·00	
		Nowkhilla ...	1·13	
	16	Pubna „ 15, '91	2·34	Weather - cloudy with strong easterly wind. *Aus* paddy and jute are being cut ; outturn of jute estimated at 12 annas per acre. Prospects of *aman*, which were gloomy, have improved by recent rain. Price of rice stationary. Fodder sufficient. Rivers rising fast.
	17	Darjeeling „ 15, '91	8·33	Weather—rainy, but very hot in the Terai. Prospects of crops in the hills are good. Some damage has been done by locusts to Indian-corn and *chhota marua* in Kurseong jurisdiction. In the Terai, *bhadoi* crops doing well. More rain wanted for transplantation of winter paddy. Locusts have disappeared from this part of the district.
	18	Julpigoree „ 15, '91	1·38	Weather—hot ; cloudy with little showers. Prospect of jute and *bhadoi* tolerable. Rain much wanted for transplantation of *haimanti* paddy. Price of rice stationary.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
	Eastern Districts.		
DACCA DIVN.			
19	Dacca August 15, '91	4·12	Weather—seasonable. Jute and *aus* paddy are being cut. Prospects of *aman* not favourable in high lands for want of sufficient rain and subsiding of floods too soon. Fodder is available. Cheapest rice sold at from 16 to 18 seers per rupee.
20	Furreedpur „ 15, '91	4·26	Water rising. Prospect of rice fair. Jute not promising.
21	Backergunge „ 15, '91 Patuakhali ...	3·32 11·11	Weather—seasonable. Prospects of crops fair. Common rice selling at from 13 to 17 seers per rupee.
22	Mymensingh „ 15, '91	1·19	Weather—cloudy and rainy. Outturns of *aus* and jute crop estimated at 8 and 10 annas respectively. Common rice sells at 13¼ seers a rupee.
CHITTAGONG DIVN.			
23	Chittagong „ 15, '91	6·57	Weather—seasonable with occasional rain. *Aus* crop has been transplanted. Ploughing for *aman* crop still continues. Prices steady.
24	Noakholly „ 15, '91	7·08	Weather—stormy most of the week. Crop prospects good. Price of rice almost stationary.
25	Tipperah „ 15, '91	8·59	Weather—seasonable. About 12 annas of jute and 14 annas of *aus* paddy have been reaped. Prospect of crops good. Prices stationary
26	Chittagong Hill Tracts. ...	...	Report not received.
BEHAR.			
PATNA DIVN.			
27	Patna „ 15, '91 Barh ... Behar ...	3·06 3·45 2·71	Weather—cloudy and showery. Prospects of *bhadoi* crops fair. Transplantation of paddy is being delayed for want of sufficient rain. It is progressing in low lands. Recent rain will do good to standing crops. More rain still wanted. Prices generally stationary.
28	Gya „ 15, '91	4·22	Weather—hot and cloudy. Transplantation of paddy going on. Prospects of *bhadoi* crops favourable. Prices of food-grains almost stationary.
29	Shahabad „ 15, '91 Buxar ... Bhabuah ... Sasseram ...	2·11 2·74 7·00 6·32	Weather—bright with occasional clouds. Prospects of crops much improved. *Bhadoi* promising. Transplantation of paddy in progress. More rain still wanted. Prices almost stationary except in Sasseram, where they have fallen.
30	Durbhunga „ 15, '91 Somastipur ... Madhubani ...	11·70 4·21 3·53	Weather—cloudy and rainy in the middle of the week. Rain has done immense good everywhere, and for the present all anxiety is allayed. Transplantation of late rice is going on briskly, and if good rain fall in September and October, a 12 to 14 annas crop may yet be reaped. *Bhadoi* will be a bumper crop in most places.
31	Mozufferpur „ 15, '91 Hajipur ... Sitamarhi ...	3·64 1·95 2·72	Good rain throughout the district. Prospects of *bhadoi* crops have seldom been better. Rain that has fallen has facilitated transplanting of paddy, of which about three-quarters have been done. With more rain prospects of paddy crop will be excellent.
32	Sarun „ 15, '91	4·40	Monsoon weather. Rain general all over the district, and transplantation of paddy going on now. *Bhadoi* crops promise well.
33	Chumparun „ 15, '91 Bettiah ...	5·66 2·93	Weather—cloudy and rainy. Rainfall of the week has greatly facilitated transplantation of paddy, but more rain is wanted. Prospects of *bhadoi* crops very good. Prices of food-grains stationary.
BHAGULPORE DIVN.			
34	Monghyr „ 15, '91 Beguserai ... Jamui ..	5·25 4·70 2·84	Good rain during the week. *Bhadoi* promises to be excellent, and a 16 annas crop expected in Jamui. *Sama* and *kaoni* are being reaped in parts of Begus-rai. Transplantation of paddy going on; about 12 annas finished in Jamui and 8 annas in Sudder. Prospects good.
35	Bhagulpur „ 15, '91	3·93	Ordinary monsoon weather. Prospects have somewhat improved in the north, where more rain is still wanted. In other places they are good. Outturn of *marua* and *makai* estimated at 12, and of indigo at 14 annas. Price of common rice 15 seers 2 chittacks per rupee.
36	Purneah „ 15, '91 Kishengunge ... Arrareah ...	2·22 2·69 1·88	Weather—hot with occasional rain and high east wind. *Bhadoi* suffering in parts from want of rain. It is being harvested in some places. Expected outturn in Sudder subdivision from 8 to 10 annas, in Kishengunge subdivision from 10 to 12 annas, and in Arrareah subdivision 9 annas. Transplantation of *aghani* has commenced in some places, but more rain is wanted everywhere.
37	Maldah „ 15, '91 Chanchal ... Shibgunge ...	1·52 1·32 3·46	Weather—hot and rainy. High east wind prevails. Harvesting of *bhadoi* and transplantation of winter rice continue. Jute is being cut; outturn expected to be about 13 annas. Common rice selling at from 14 to 20 seers a rupee.
38	Sonthal Perghs. „ 15, 91	7·90	Heavy rain in some parts, showers in others. Winds favourable. Indian-corn ripening; expected outturn about 12 annas, but less in Rajmehal. Paddy transplantation still continues; about 4 annas of higher land remain to be transplanted.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
ORISSA DIVN.	39	Cuttack August 15, '91	4·27	Weather—seasonable. *Beali* in ear in some places and doing well. Transplantation of *sarad* now progressing. There has been copious rain throughout the district, and crops promise well.
	40	Pooree „ 13, '91	1·23	Weather—seasonable. Puddling and transplantation of the winter crop (*sarad* rice) on low lands are going on. Miscellaneous crops of the season are doing well. Prices of common rice varying from 18 seers 6 chittacks to 24 seers per rupee.
	41	Balasore „ 15, '91	10·17	Weather—very stormy. *Beali* or early rice expected to yield 16 annas crop unless damaged by floods of the last few days.
CHOTA NAGPORE				
South-West Frontier Agency.				
CHOTA NAGPORE DIVN.	42	Hazaribagh August 15, '91 Giridih ...	3·99 2·32	Weather—very wet: good rain universal. Transplantation progressing. *Bhadoi* rice promising.
	43	Lohardugga „ 15, '91 Palamow (up to 10th Aug.)	1·14 8·31	Weather—seasonable. Transplantation of low land paddy continues. *Bhadoi* crops doing well. Prices steady.
	44	Singbhoom August 15, '91	5·46	Weather—seasonable. Everything very satisfactory. Agricultural operations going on well. State of crops good. Price of common rice 13 seers per rupee at Chaibassa, against 12 seers in last week.
	45	Manbhoom „ 15, '91 Govindpur ...	3·20 3·91	Weather—seasonable. Prospects good. Transplanting is being carried on vigorously. Price of rice stationary.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 18*th August*, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	STATION OBSERVATIONS. Air Pressure. Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level & to Lat 45°.	Variation from normal mean.	Temperature. Highest of month.	Lowest of month.	Mean daily maximum temperature	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Humidity. Mean, 8 A.M., humidity.	Variation from normal mean.	Cloud. Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.	Rainfall.
Orissa.	Pooree	Pooree ...	29·732	29·453	29·554	29·503	—	93·7	72·6	85·9	79·7	82·8	—	86	—	8·3	—	3·06
		Gopalpore ...	29·744	29·444	29·562	29·523	+·005	92·2	78·3	85·3	80·5	82·9	—0·1	86	—	6·2	—	30·4
		False Point ...	29·744	29·457	29·556	29·519	—·036	93·5*	75·1	87·4*	77·9	82·7*	—0·3	87	—1	9·0	+0·8	14·00
	Cuttack	Cuttack ...	29·668	29·389	29·497	29·519	—·025	96·4	75·3	89·5	78·6	84·1	—0·1	78	—3	8·5	+0·9	8·64
	Balasore	Balasore ...	29·680	29·382	29·460	29·489	—·052	94·4	74·8	87·9	77·9	83·0	0	92	—	5·9	—	10·31
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island ...	29·705	29·382	29·518	29·487	—·051	91·2	76·5	87·4	80·4	84·0	—0·1	87	—8	9·1	+0·8	19·89
	Midnapore	Midnapore ...	29·568	29·288	29·396	29·490	—·053	96·3	72·2	89·8	78·5	84·2	+0·4	86	—	4·3	—	8·22
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta ...	29·720	29·390	29·522	29·488	—·047	94·1	76·2	87·7	78·9	83·3	0	88	+1	8·5	—1·2	8·28
	Burdwan	Burdwan ...	29·632	29·343	29·451	29·496	—·039	95·1	76·4	89·8	79·2	84·6	—0·3	84	—1	9·1	+0·6	14·00
	Bankoora	Bankoora ...	29·385	29·124	29·230	29·476	—·039	94·1	74·6	89·2	78·2	83·7	—0·2	88	—	8·0	—	10·48
	West Burdwan ... Beerbhoom ...	Ranigunge ..	29·388	29·086	29·211	29·502	—·041	94·5	74·9	90·0	78·3	84·2	+0·1	88	—	8·8	—	9·08
	Moorshedabad ...	Berhampore ...	29·647	29·345	29·474	29·480	—·055	92·7	75·3	89·0	78·7	83·9	—0·2	92	+6	8·6	—0·6	9·77
	Nuddea	Krishnagore ...	29·670	29·371	29·491	29·486	—·016	93·8	76·2	89·1	78·8	84·0	—0·1	86	—	8·3	—	12·93
	Jessore and Khoolna ...	Jessore ...	29·708	29·400	29·521	29·500	—·054	92·7	75·9	88·1	78·6	83·4	—0·9	91	0	9·1	—0·1	11·71
East Bengal.	Chittagong	Chittagong ...	29·717	29·420	29·531	29·505	—·051	89·7	74·1	85·6	76·9	81·3	+·03	89	+1	8·2	+0·3	31·72
	Chittagong Hill Tracts	Demagri ...	Observations not received.															
	Backergunge	Barrisal ...	29·722	29·434	29·559	29·516	—·012	90·3	74·9	86·6	78·3	82·5	+0·7	88	—	7·8	—	17·00
	Noakholly	Noakholly ...	29·712	29·433	29·555	29·545	—·054	89·0	74·8	85·1	77·9	81·5	+0·1	90	—	4·8	—	19·06
	Furreedpore	Furreedpore ...	29·712	29·406	29·538	29·524	—·040	91·5	75·9	87·0	78·7	82·8	0	90	—	7·2	—	14·88
	Dacca	Dacca ...	29·721	29·410	29·548	29·518	—·054	91·1	76·7	87·3	79·4	83·3	—0·6	90	+1	8·4	+0·5	12·15
	Commillah	Commillah ...	29·742	29·443	29·563	29·546	—·012	91·3	66·8	87·0	76·7	81·9	—0·2	88	—	4·5	—	10·25
	Mymensingh	Mymensingh ...	29·673	29·358	29·522	29·530	·053	92·2	74·8	87·1	78·5	82·8	—0·1	90	—	7·1	—	10·73
North Bengal.	Bogra	Bogra ...	29·636	29·326	29·483	29·496	—·040	92·8	74·2	88·7	78·9	83·8	+0·2	86	—	6·2	—	9·86
	Pubna	Serajgunge ...	29·669	29·378	29·516	29·511	—·012	91·1	74·7	87·8	78·7	83·3	·0·1	91	—	7·6	—	9·23
	Rajshahye	Rampore Beauleah.	29·639	29·343	29·475	29·494	—·039	91·3	74·6	88·3	79·0	83·7	—0·1	88	—	6·0	—	17·39
	Maldah	Maldah ...	29·608	29·313	29·456	29·486	—	95·1	76·5	90·6	79·0	84·8	—	88	—	6·5	—	12·06
	Dinagepore	Dinagepore ...	29·575	29·291	29·434	29·503	—·070	93·6	76·2	88·6	78·9	83·7	—0·6	90	—	8·7	—	21·80
	Rungpore	Rungpore ..	29·601	29·255	29·452	29·527	—·053	93·8	76·2	89·1	78·5	83·8	—0·3	90	—	3·4	—	20·01
	Julpigoree and Cooch Behar.	Julpigoree ...	29·428	29·125	29·279	29·514	—·036	93·4	74·6	88·0	77·1	82·5	—0·2	94	—	2·6	—	19·99
	Darjeeling Hill Tracts ..	Darjeeling ...	22·953	22·716	22·855	—	—·029	70·1	54·6	66·5	57·4	62·0	+0·2	96	+2	8·9	+0·1	27·11
North Behar.	Purneah and North Bhagulpore.	Purneah ...	29·571	29·297	29·422	29·499	—·018	93·2	75·7	88·9	77·5	83·2	—1·4	88	0	7·1	—0·4	8·07
	Mozufferpore	Mozufferpore ...	29·489	29·222	29·343	29·473	—	93·4	70·7	89·7	78·7	84·2	—	88	—	7·0	—	12·49
	Durbhunga	Durbhunga ...	29·531	29·267	29·387	29·505	—·037	94·9	76·5	90·2	79·3	84·8	+0·3	86	+2	7·0	+0·4	10·46
	Chumparun	Motihari ...	29·453	29·178	29·307	29·485	—·043	94·2	73·8	90·1	78·5	84·3	—0·1	86	—	7·1	—	9·96
	Sarun	Chupra ..	29·482	29·198	29·341	29·463	—·045	90·5	76·6	91·6	79·1	85·4	+0·2	86	—	5·6	—	7·35
South Behar.	Shahabad	Dehree ...	29·276†	29·055†	29·175†	29·475†	—·041†	98·9	73·5	92·9	80·1	86·5	+2·8	79	—	5·8	—	4·34
		Buxar § ...	29·419	29·127	29·260	29·458	—·057	101·4	73·8	93·6	80·4	87·0	+2·8	79	—	6·9	—	2·32
		Arrah ...	29·474	29·256	29·353	29·472	—·030	97·4	76·6‡	91·8	80·1‡	85·9‡	+1·0	85	—	3·9	—	5·33
	Gya	Gya ...	29·300	29·043	29·150	29·474	—·030	98·0	73·8	91·8	79·6	85·7	+0·7	84	+4	6·2	—2·8	7·40
	Patna	Bankipore ...	29·498	29·224	29·342	29·475	—·059	94·4	73·7	90·3	79·5	84·9	—0·3	84	+2	8·5	+0·2	7·23
	South Bhagulpore and Monghyr.	Bhagulpore ...	29·513	29·252	29·367	29·479	—·044	93·2	76·5	89·5	79·1	84·3	—0·2	89	—	9·0	—	18·15
	Sonthal Pergunnahs ...	Naya Doomka	29·201	28·925	29·030	29·483	—·043	93·1	74·8	88·8	77·8	83·3	+0·1	83	—	5·5	—	11·27
Chota Nagpore.	Hazaribagh	Hazaribagh ...	27·695	27·425	27·556	29·188	—·039	90·7	71·1†	84·7	73·6†	79·2†	+0·1	88	+2	9·8	+0·5	11·16
	Lohardugga ... Maunbhoom ...	Ranchee ...	27·587	27·362	27·437	29·481	—·037	90·0	69·4	84·0	73·2	78·6	+0·4	85	—	8·8	—	8·45
	Singhbhoom	Chyebassa ...	28·954	28·702	28·780	29·181	—·028	90·3	73·7	88·8	77·4	83·1	0	83	—	8·6	—	9·52
Assam	Sibsagar	Sibsagar ...	29·385	29·138	29·274	29·558	—·063	96·6	75·5	90·9	78·8	84·9	+0·4	91	0	8·8	—0·4	16·31
	Goalpara	Dhubri ...	29·625	29·258	29·461	29·529	—·015	90·7	74·3	85·7	77·9	81·8	—1·5	91	+3	8·8	+2·0	21·54
	Cachar	Silchar ...	29·677	29·387	29·506	29·501	—·056	96·6	75·3	91·0	77·8	84·4	+0·7	89	+3	9·2	+1·0	17·75

* Mean of 30 days.
† Mean of 27 days.
‡ Mean of 29 days.
§ Mean of 28 days.

Bengal for the month of July 1891.

DISTRICT OBSERVATIONS.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.												
Of month.					Since 16th May 1891.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
7·45	11·99	−4·54	9·00	14·51	12·78	22·32	−9·54	16·00	26·04	Pooree ... Gopalpore ... False Point ...	Pooree	ORISSA.
9·54	12·31	−2·77	12·80	14·84	15·20	23·90	−8·70	21·40	28·04	Cuttack ...	Cuttack	ORISSA.
10·36	13·01	−2·65	13·33	15·25	17·96	23·90	−5·94	25·33	28·86	Balasore ...	Balasore	ORISSA.
14·54	15·46	−0·92	17·33	17·17	25·72	27·38	−1·66	29·66	32·20	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
10·93	12·75	−1·82	12·67	15·05	24·51	24·12	+0·39	26·34	29·25	Midnapore ...	Midnapore	SOUTH-WEST BENGAL.
9·61	12·44	−2·83	14·80	17·53	19·99	24·82	−4·83	28·30	33·68	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.	SOUTH-WEST BENGAL.
13·17	10·58	+2·59	16·00	14·85	26·52	21·99	+4·53	31·66	29·51	Burdwan ...	Burdwan	SOUTH-WEST BENGAL.
11·10	13·29	−2·19	15·25	17·61	26·00	25·64	+0·36	29·00	33·49	Bankoora ...	Bankoora	SOUTH-WEST BENGAL.
10·78	12·94	−2·16	14·50	17·04	24·28	24·95	−0·67	28·75	31·88	Ranigunge ...	West Burdwan and Beerbhoom.	SOUTH-WEST BENGAL.
10·77	10·88	−0·11	15·00	15·60	26·48	23·09	+3·39	31·50	31·30	Berhampore ...	Moorshedabad	SOUTH-WEST BENGAL.
10·46	10·24	+0·22	17·20	15·44	24·72	23·33	+1·39	32·40	31·83	Krishnagore ...	Nuddea	SOUTH-WEST BENGAL.
12·48	11·19	+1·29	18·75	16·87	26·98	26·66	+0·32	35·01	35·47	Jessore ...	Jessore and Khoolna ...	SOUTH-WEST BENGAL.
43·29	31·06	+12·23	19·00	21·79	57·92	65·66	−7·74	39·00	45·00	Chittagong ...	Chittagong	EAST BENGAL.
24·73	19·04	+5·69	23·00	22·00	45·88	42·11	+3·77	40·00	47·35	Demagri ...	Chittagong Hill Tracts	EAST BENGAL.
17·38	17·98	−0·60	19·75	21·51	34·23	40·91	−6·68	37·75	43·94	Barrisal ...	Backergunge	EAST BENGAL.
23·39	23·27	+0·12	21·50	22·19	46·71	55·12	−8·41	46·00	44·99	Noakholly ...	Noakholly	EAST BENGAL.
11·56	11·90	−0·34	15·67	16·37	25·17	28·54	−3·37	34·33	30·05	Furreedpore ...	Furreedpore	EAST BENGAL.
10·34	14·12	−3·78	13·00	17·13	33·52	31·26	+2·26	37·50	37·35	Dacca ...	Dacca	EAST BENGAL.
11·87	13·82	−1·95	16·75	17·93	37·83	34·53	+3·30	37·75	39·81	Commillah ...	Tipperah	EAST BENGAL.
12·39	13·59	−1·20	16·20	16·80	43·31	35·75	+7·56	41·60	38·93	Mymensingh ...	Mymensingh	EAST BENGAL.
9·09	12·75	−3·66	14·00	15·05	25·56	30·03	−4·47	33·50	33·35	Bogra ...	Bogra	NORTH BENGAL.
7·93	10·57	−2·64	12·50	15·08	23·96	25·42	−1·46	33·00	33·14	Serajgunge ...	Pubna	NORTH BENGAL.
13·37	11·59	+1·78	14·33	15·29	28·24	26·28	+1·96	30·67	31·01	Rampore Beauleah.	Rajshahye	NORTH BENGAL.
11·87	11·99	−0·12	16·50	16·12	22·95	26·02	−3·07	28·00	30·79	Maldah ...	Maldah	NORTH BENGAL.
18·79	12·13	+6·66	17·80	15·51	31·46	29·86	+1·60	31·00	32·28	Dinagepore ...	Dinagepore	NORTH BENGAL.
21·47	13·99	+7·48	18·00	15·44	42·64	42·38	+0·26	39·25	37·13	Rungpore ...	Rungpore	NORTH BENGAL.
23·08	20·92	+2·16	23·25	17·85	48·52	60·29	−11·77	46·45	44·90	Julpigoree ...	Julpigoree and Cooch Behar.	NORTH BENGAL.
23·58	34·85	−11·27	23·25	24·05	48·77	70·75	−21·98	48·25	51·90	Darjeeling ...	Darjeeling Hill Tracts.	
10·45	13·76	−3·31	14·60	15·03	24·07	28·21	−4·14	30·60	29·04	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
11·13	11·42	−0·29	13·67	12·89	25·39	20·14	+5·25	27·83	22·73	Mozufferpore ...	Mozufferpore	NORTH BEHAR.
12·37	11·59	+0·78	14·67	12·88	23·87	20·90	+2·97	25·34	23·17	Durbhunga ...	Durbhunga	NORTH BEHAR.
9·81	11·57	−1·76	13·00	11·67	22·70	21·04	+1·66	28·00	22·43	Motihari ...	Chumparun	NORTH BEHAR.
7·08	12·18	−5·10	9·33	13·64	18·56	19·69	−1·13	18·66	22·66	Chupra ...	Sarun	NORTH BEHAR.
3·97	11·39	−7·42	8·00	14·05	8·42	17·43	−9·01	13·80	22·61	Dehree ... Buxar ... Arrah ...	Shahabad	SOUTH BEHAR.
9·30	12·23	−2·93	12·25	14·08	16·12	19·18	−3·06	18·75	22·23	Gya ...	Gya	SOUTH BEHAR.
10·72	11·95	−1·23	14·00	14·03	23·48	19·54	+3·94	23·50	22·75	Bankipore ...	Patna	SOUTH BEHAR.
13·37	11·60	+1·77	15·80	15·78	23·01	20·09	+3·82	25·60	26·31	Bhagulpore ...	South Bhagulpore and Monghyr.	SOUTH BEHAR.
13·40	12·86	+0·54	15·17	17·23	24·85	24·14	+0·71	28·83	31·31	Naya Doomka...	Sonthal Pergunnahs ...	SOUTH BEHAR.
12·92	13·52	−0·60	15·40	19·24	21·37	23·21	−1·84	20·20	31·86	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
12·00	12·92	−0·92	14·33	18·40	16·72	22·03	−5·31	21·06	31·09	Ranchee ...	Lohardugga	CHUTIA NAGPUR.
15·02	12·07	+2·95	18·00	17·53	24·43	21·68	+2·75	23·00	31·13	Ranchee ...	Maunbhoom	CHUTIA NAGPUR.
9·57	14·27	−4·70	17·00	17·15	16·79	24·99	−8·20	25·00	32·17	Chyebassa ...	Singbhoom	CHUTIA NAGPUR.
										Sibsagar... ... Dhubri ... ... Silchar	Assam ...	ASSAM

Table of Rainfall recorded at stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ...	...	...	0·10	...	...	...	...	0·02	0·17	0·04	...	0·04	0 25	0·10	...	...	0·03	...	0·05	0·45
		Khurdah ...	...	...	0·15	...	0·29	0 05	0·11	0·09	...	...	0·02	0·04	0·26	0·06	0·35	...	...	...	1·04	0·67
		Banpur ...	0·12	0·17	..	...	...	...	...	0·25	0·11	...	...	0 05	...	...	...	...	0·12	0·40	4·00	...
		False Point ...	0·05	...	3·85	0·02	0·23	0·17	0·03	1·38	0·09	...	0·06	2·13	0·02	...	...	0·05	1·28	0·04	0·12	1·05
		Gop ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Satpara ...	...	0·04	...	...	...	...	...	...	0·08	0·07	...	...	...	...	...	...	...	0·06	...	0·15
		Pipli ...																				
	Cuttack ...	Jagatsingpore	...	..	1·20	0·08	0·70	0·10	0·70	0·55	...	...	...	...	0·54	0·30	...	0·03	...	...	0·18	...
		Banki ...	0·18	0·18	0·15	0·03	0·03	0·23	0·80	1·09	...	...	0·03	0·22	0·10	0·25	0·72	0·05	...	...	...	...
		Cuttack ...	0·76	...	0·07	...	0·18	0·44	0·55	1·11	0·14	...	...	0·09	...	0·32	0·87	...	...	...	...	0·95
		Kendrapara ...	...	...	0·12	0·03	...	0·20	0·38	1·37	...	...	...	2·45	...	0·15	...	0·07	...	...	0·07	0·90
		Jajpore ...	...	...	...	...	0·10	0·16	0·16	0·16	...	...	...	...	...	0·14	0 09	...	0·09	...	0·13	0·60
		Dharmsalla ...	2·70	0·26	...	...	0·15	...	1·05	...	...	...	...	0·10	0·30	0·10	...	...	...	0·20	0·28	...
		Salipore ...	0·20	...	...	...	...	0·26	0·47	0·60	...	...	...	1·00	...	0·35	0·37	...	0·20	...	...	...
	Balasore ...	*Akhoyapada* ...	...	0·41	0·27	...	...	0·22	0·28	0·15	...	...	0·06	0·03	0·30	0·18	...	...	0·08	0·09	0·09	0·32
		Chandbali ...	...	...	0·44	...	0·05	0·20	0·10	0·44	0·07	...	0·04	0·40	...	0·16	0 50	...	0·03	...	0·50	1·50
		Bhuddruck ...	...	2·42	0·45	0·15	...	0·25	0·35	0·25	...	...	...	0·96	...	0·87	0·10	...	...	...	1·11	0·61
		Sorah ...	...	...	0·60	...	...	...	0·10	...	...	...	0·20	...	0·60	...	0·10	1·00	...	...	0·10	...
		Balasore ...	...	...	0 04	0·25	0·16	0·01	0·04	0·00	0·29	...	0·02	0·95	0·08	...	0·00	0·56	0·01	0·18	1·99	0·40
		Jellasore ...	...	...	...	0·30	0·55	...	...	...	0·25	...	..	0·20	0·25	...	...	...	...	0·42	2·43	1·10
		Baripodah ...	0·30	0·71	0·08	0·16	...	...	...	0·03	...	0·02	0·98	0·15	0·28	...	0·28	...	...	...	2·39	0·10
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	...	...	0·58	0·82	0·10	...	...	0·11	2·60	...	0·14	0·14	0·12	0·12	...	0·15	0·05	1·47	0·03	0·20
		Saugor Island	3·69	...	0·23	0·16	0·39	0·09	...	..	1·10	...	1·65	1·00	0·09	0·21	...	1·90	2·88	0·19	0·12	...
		Tumlook ...	0·06	...	...	2 20	0·80	..	...	0·55	...	0·10	...	...	...	0·08	...	0·64	4·10	0·30	0·06	0·32
		Midnapore ...	...	...	0·09	0·12	0·03	0·02	...	...	0·16	...	...	0·33	0·04	1·28	...	0·19	0·19	2·12	0·28	0·29
		Ghatal ...	...	...	...	1·72	2·78	0·11	0 04	...	0·01	...	0·01	0·01	0·34	0·20	...	2·00	0·83	...	...	0·28
		Kukrahaty ...	...	...	...	...	0·57	0·19	...	...	...	...	...	0·13	...	0·29	...	0·74	2·46	..	...	0·05
		Garbeta ...	...	...	1·05	0·01	2·67	0·34	...	...	...	...	...	...	...	...	0·30	...	...	0·85	0·46	0·62
	24-Pergunnahs	Diamond Harbour.	...	...	...	0·29	0·72	0·11	...	...	...	...	0·04	...	0·19	0·05	...	2·35	2·80	0·04	0·04	0·11
		Canning Town	...	...	...	0·26	1·90	0·30	0·04	0·41	0·12	0·20	...	0·02	...	0·07	...	0·25	0·14	0·04	1·80	0·13
		Alipore Jail ...	0·03	...	...	1·86	0·78	0·32	0·12	0·05	...	...	0·10	...	0·04	0·36	0·09	0·10	0·28	0·03	0·30	0·01
		Barrackpore...	...	...	...	..	1·34	1·08	...	...	...	...	0·05	...	0·45	0·10	...	0·82	0·50	0·08	0·43	0·14
		Dum-Dum ...	...	1·09	...	0·26	1 01	0·16	0·09	...	...	...	0·06	0·15	...	0·24	...	0·36	0·71	...	...	...
		Baraset ...	...	...	...	..	0·98	0·20	...	0·36	...	0·04	...	0·07	...	0·51	...	0·58	..	0·55	0·19	...
		Buseorhat ..	...	0·65	...	0·07	...	1·58	...	...	0·30	...	0·08	...	0·75	...	...	1·17	0·40	0·05	...	...
	Howrah ...	Howrah ...	...	0·08	...	0 76	0·88	0·72	0·10	...	...	...	0·01	0·01	0·01	0·17	0·01	0·34	0·02	...	0·11	0·10
		Mohesreka (*Oolooberiah*).	0·08	0·02	0·06	0·60	0·65	0·15	0·00	0·12	...	...	0·02	0·19	0·40	0·32	0·08	0·32	1·24	0·10	0·97	0·10
	Hooghly ...	Serampore ...	...	...	...	...	1·49	0·53	0·03	...	...	0·09	...	...	0·35	0·06	...	0·17	0·86	...	0·74	0·07
		Hooghly ...	...	0·50	...	...	1·96	1·04	...	...	0·02	...	...	...	...	0·30	0·27	0·53	0·15	0·06	...	...
		Jehanabad ...	0·02	...	0·05	0·30	5·80	1·03	0·03	0 50	...	...	...	...	0·24	0·10	0·13	...	0·61	0·05	0·64	0·06
	Burdwan ...	Culna ...	...	...	...	..	0·50	5·20	...	...	...	0·17	...	...	0·33	0·05	...	..	...	0·55	...	0·87
		Burdwan ...	...	...	0·28	0·21	4·12	2·94	0·03	0·26	...	...	...	0·08	0·15	0·55	0·03	0·30	0·27	0·08	0·73	0·03
		Cutwa ...	...	...	..	0·20	0·80	2·03	0·03	...	...	...	0·22	0·03	...	0·41	...	2 25	...	0·55	...	0·07
		Raneegunge...	0·05	...	...	1·07	0·53	1 23	...	...	0·02	...	0·03	...	0·05	0·18	0·70	0·97	...	0·03	...	0·04
		Mankur ...	0·11	...	0·89	2·98	1 39	1·04	...	0·10	...	...	...	...	0·12	0·25	...	0·52	...	0 63	...	0·24
	Bankoora ...	Bankoora ...	...	...	0·03	1·50	3·85	0·89	...	...	0·12	...	...	0·18	0·06	...	...	0·20	0·01	0·59	0·05	0·16
		Bishenpore ...	...	...	...	3·10	2·38	1·22	...	...	...	...	0·21	...	0·04	0·13	...	0 57	..	0·16	0·14	0·17
		Maliara ...	0·80	...	...	2·39	0·85	0·33	...	0 04	0 09	...	0·04	0·10	...	0·10	...	0·08	...	1·35	...	0·18
		Khatra ...	...	...	0·60	0·80	1·52	0 42	...	...	...	...	...	...	0·29	..	0·80	...	..	..	...	0·52
		Indas ...	...	...	0·97	2·63	2·50	1·48	...	...	0·06	...	...	0·20	...	0·54	...	0·09	0·12	0·25	...	0·23
		Kotalpore ...	...	...	0·66	0 56	4 00	0·66	...	...	...	...	...	...	...	0·07	...	...	..	0·01	...	0·27
		Anda ...	.	0·15	0·20	...	1·00	0·90	...	...	...	...	...	..	...	...	0·70	...	0·34	..	...	...
		Gangajalghati	0·27	...	...	4·00	1·91	1·44	...	...	...	0·21	...	0·19	...	...	...	...	...	0·11	0·67	0·56
		Raipore ...	...	...	0·95	1·20	0·40	...	...	...	0·52	...	...	0·38	0·05	0·24	...	1·12	0·52	0·06	...	1·15
		Sonamukhi ...	...	...	1·70	0·97	1·75	1·82	...	...	...	...	...	...	...	...	0·68	0·45	...	0·21	...	...
	Beerbhoom ...	Bh. Soory ...	1·35	...	...	0·64	0·87	1·15	0·08	...	...	0·01	...	0·16	0·06	0·10	...	2·55	1·64	0·28	...	...
		Hetampore ...	1·26	...	...	0·65	0 56	1·49	0·03	...	...	...	...	0·06	0·03	0·02	0·04	0·45	0·11	0·04	...	...
		Rampore Haut	0·03	..	0·09	0·64	2·02	1·21	0·51	...	0·06	...	...	...	0·07	0·05	0·16	0·01	0·01	1·13	0·83	0·02
		Bolpur ...	...	...	...	1·79	0·70		...	...	...	...	...	...	0·45	...	...	0·75	0·72	...	...	...
		Murarai ...	...	0·80	1·21	2·08	...	1·41	...	...	...	...	...	...	...	...	...	0·15	...	5·13	0·10	...
	Nuddea ...	Ranaghat ...	...	...	0·08	0·07	1·14	2·90	...	...	0·04	0·32	...	0·13	0·21	0·23	...	...	...	0·17	0·21	0·14
		Kishnaghur ...	...	...	...	0·08	1·14	2·77	0·11	0·35	...	0·66	0·09	0·11	0·32	0 32	0·02	1·42	..	0·99	0·02	0·02
		Choondanga ..	...	0 12	...	0·20	...	3·07	0 10	...	0·27	...	0·72	0·24	0·25	0·65	0·03	0·05	0·09	0·30	0·06	...
		Meherpore ...	...	1·25	...	1·20	...	3·20	..	0·30	...	...	0·15	...	0·15	1 42	...	0·14	...	0·26	0 15	...
		Kooshtea ...	0·19	...	...	0·08	0·70	0·90	0·56	...	0·83	...	0 18	...	0·20	0·25	...	0·18	0·18	0·09	0·13	...
	Khoolna ...	Satkhira ...	...	0·10	...	0·27	1·15	0·84	...	0·54	0·45	0·02	0·04	...	0·18	0·10	...	4·30	0·11	1·20	0·11	0·01
		Bagirhat ...	0·40	0 15	...	1·03	1·45	0·95	...	0·35	1·05	...	...	...	...	...	...	1·62	0·55	0·34	...	...
		Khoolna ...	0·06	0 14	...	0·90	1·20	1·50	...	...	0·94	...	0·33	...	0·26	0·25	0·00	0·75	0·29	0·32	0·20	...
		Nakipur ...	...	0 73	...	1·20	0·82	...	0·15	1·14	...	...	0·45	...	0·41	0·21	...	1·54	...	1·00	...	...
		Rampal ...	...	...	...	...	2·00	0·60	...	...	0·80	...	...	...	...	0·43	...	...	1·00	...	...	0·14
	Jessore ...	Narail ...	0·10	...	...	0·25	2·40	1·53	...	...	0·05	0·49	0·25	0·38	0·26	0·09	0·05	...	0·17	0·19	0·05	...
		Jessore ...	0·14	0·10	...	0 02	1·37	1·39	...	...	0·43	0·33	0·30	0·10	0·15	0·11	...	0·12	0·17	0·92	0·65	...
		Jhenidah ...	...	...	...	0·02	0·29	1·25	0·37	...	...	0·06	0·99	...	0·12	0·44	...	0·05	...	0·38	0·80	...
		Magoorah ...	...	...	...	...	1·96	2·01	0·50	...	...	0·21	2·46	0·07	0 29	0·23	0·05	...	0·23	0·09	0·40	...
		Bongong ...	...	0·15	...	...	3·10	2 15	0·02	...	0·15	...	0·12	...	0·35	0·12	...	...	...	1·15	...	...
	Moorshedabad	Kandi ...	...	...	...	.	0·72	0·70	0·46	...	...	...	...	...	...	0·40	...	8·35	...	0·90	0·45	...
		Berhampore...	...	...	...	0·58	0·11	0·79	0·83	...	...	...	...	...	...	0·41	0·08	...	...	0·38	0·05	...
		Lalbagh ...	...	...	0·08	0·52	0 34	1·24	0·14	...	0·44	...	...	0·06	0·25	0·09	0·20	0·03	...	1·47	0·27	0·08
		Azimgunge ...	...	...	0·05	1·45	0·24	2·10	0·10	...	0 25	...	..	0·10	...	0·15	0·12	...	...	1·56	...	...
		Jungipore* ...	0·20	0 43	0·50	0 38	0 11	0·38	0·13	0·23	.	...	0·00	0·05	...	0·10	...	...	0·15	0·48	...	...
		Lalgola ...	...	...	3·45	0·25	0·54	0·85	0·05	0·10	0·35	...	...	...	...	...	0·20	...	...	1·50	...	...
		Akhriganj ...	...	...	1·18	...	0·15	1·68	0·05	...	0·07	...	0·02	...	...	0·28	0·05	...	0·11	0·60	...	...
		Patkabari ...	...	...	0·50	...	1·30	0·20	...	...	...	...	...	...	1·35	...	0·60	...	0·20	...	...	...
EAST BENGAL	Chittagong ...	Cox's Bazar ...	0·45	0·04	0·33	1·47	1·01	1·20	3·18	8·26	2·50	2·60	0·20	...	...	...	0·70	2·20	5·02	...	..	0·60
		Chittagong ...	...	...	0·26	0·07	1·72	4 30	2·24	5·50	3·02	6·32	0·04	...	...	...	0·28	3·27	0·70	0·02	0·04	...
		Kutubdia ...	0·46	...	0·20	0·90	2·48	3·30	4·20	8·90	2·00	5·84	0·05	...	0·15	...	0·49	3·13	1·54	0 03	...	0·21
		Satkanya ...	0·30	0·02	...	0·10	1·80	9 25	8·44	14·03	3·65	4·51	0·20	...	0·07	...	0·12	2·00	0·50	...	0·50	0·12
	Chittagong Hill Tracts.	Rangamati ...	0·23	...	0·32	...	2·30	6·00	4·15	0·64	2·00	2·15	0·16	...	0·21	...	...	0·25	0·12	0·87	0·49	0·21
		Bandarban ...	0·07	0 02	0·42	...	1·62	10·44	7·90	8·85	0 33	8·03	0·12	...	...	0·15	...	0·61	0·03	...	1·81	...

in Bengal in July 1891.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st July 1891.	Average rainfall from 16th May to 31st July.	Station.	District.	Meteorological division.
...	...	...	...	1·27	0·92	0·06	...	...	...	...	7	13·45	3·50	10·30	1·27	8·22	19·83	Pooree ...	Pooree	ORISSA.
...	1·53	0·12	0·97	0·80	0·40	0·12	...	...	...	...	13	16·65	7·06	12·82	1·52	12·44	24·39	Khurdah.		
...	...	...	...	...	...	...	...	...	...	...	7	12·83	5·22	10·66	4·00	11·38	19·64	Banpur.		
...	...	0·09	...	3·06	0·03	0·09	...	...	...	0·16	9	15·10	14·00	14·09	3·85	19·07	25·41	False Point.		
...	...	...	...	1·05								?		?			?	*Gop.*		
...	...	...	...	0·47	0·38*	...	...	...	...	...	8	?	1·25	?	0·47	9·46	?	*Salpara.*		
...	...	...	...									?		?			?	*Pipli.*		
...	0·25	...	0·78	2·00	0·17	...	...	...	...	...	11	13·00	6·95	11·03	2·00	11·28	19·67	Jagatsingpore.	Cuttack.	
...	...	0·04	0·57	0·55	0·93	0·08	0·03	...	...	...	13	15·50	6·26	11·70	1·09	12·74	23·54	Bauki.		
0·54	0·15	...	0·16	1·90	1·70	...	...	...	...	...	15	16·70	10·58	13·36	1·90	17·34	27·69	Cuttack.		
0·12	0·55	...	0·09	3·01	0·72	0·06	...	...	...	0·06	11	13·58	10·35	12·27	3·01	14·39	23·12	Kendrapara.		
...	1·00	...	1·65	5·15	1·87	1·12	...	...	...	0·60	14	14·42	13·62	13·12	5·15	20·25	25·48	Jajpore.		
...	...	2·55	3·90	1·40	1·44	...	...	...	...	...	13	?	14·43	?	3·90	18·99	?	*Dharmsala.*		
0·89	...	...	...	2·02	1·56	0·15	...	...	...	...	12	?	8·07	?	2·02	16·27	?	*Salipore.*		
...	...	...	0·83	3·92	1·57	0·90	...	0·17	...	1·18	14	?	11·05	?	3·92	17·81	?	Akhoyapada .	Balasore.	
0·16	...	...	...	2·50	0·70	...	...	...	...	0·50	12	13·71	8·20	11·89	2·50	12·85	22·03	Chandbali.		
0·08	...	...	0·68	2·25	2·81	0·57	...	...	...	0·23	16	13·80	14·14	12·03	2·81	20·14	24·00	Bhuddruck.		
...	...	...	1·00	3·40	1·20	0·20	...	...	...	1·10	12	14·94	9·60	12·27	3·40	16·90	22·10	Sorah.		
0·08	...	...	1·73	2·08	0·89	0·49	0·07	...	0·02	0·19	13	15·55	10·43	13·93	2·08	18·50	25·33	Balasore.		
...	...	...	...	0·43	2·12	0·20	...	...	...	...	11	14·59	8·33	15·15	2·42	18·93	24·81	Jellasore.		
...	...	1·36	0·93	1·23	...	0·47	...	...	0·29	1·05	10	18·92	11·38	12·77	2·89	20·51	25·12	Baripodah.		
0·03	0·02	0·12	0·01	0·23	3·71	0·12	0·17	...	...	0·25	19	15·80	11·07	15·03	3·71	18·42	26·55	Contai ...	Midnapore ...	SOUTH-WEST BENGAL.
...	...	0·20	0·08	3·25	0·86	0·04	0·51	...	0·41	0·84	18	17·50	19·89	16·53	3·09	30·79	28·92	Saugor Island.		
...	...	0·20	1·00	0·03	1·60	...	0·20	...	0·10	...	13	12·58	12·34	11·98	4·10	20·70	23·44	Tumlook.		
...	...	0·08	0·04	1·45	1·00	0·24	0·07	...	...	0·11	13	16·20	8·13	12·54	2·12	18·60	23·30	Midnapore.		
...	0·03	0·45	1·92	0·04	1·09	...	0·07	...	0·36		12	16·30	12·31	13·74	2·78	28·22	25·62	Ghatal.		
...	...	0·40	0·15	0·25	1·00	0·05	...	...	...	0·39	11	?	6·67	?	2·46	15·66	?	*Kukrahaty.*		
...	...	0·65	...	1·80	0·46	0·09	0·06	...	...	...	11	?	9·06	?	2·67	24·38	?	*Garbeta.*		
...	0·22	0·37	0·80	0·92	1·78	0·40	0·15	...	0·25	0·03	15	18·20	11·75	14·81	2·80	27·93	26·64	Diamond Harbour.	24-Pergunnah	
...	...	0·12	0·20	0·25	0·46	0·30	0·05	...	1·07	0·07	16	?	8·20	?	1·90	18·83	?	*Canning Town.*		
...	0·04	1·73	0·68	0·26	0·15	0·13	0·16	...	0·65	...	16	19·00	8·36	13·44	1·88	17·64	26·17	Alipore Jail.		
...	0·03	0·40	0·45	0·08	...	0·81	0·48	0·05	3·35	...	14	16·45	11·24	12·16	3·35	20·48	24·92	Barrackpore.		
...	...	0·78	0·90	0·27	0·80	0·50	0·53	...	1·00	0·09	15	17·70	9·09	11·90	1·00	15·33	24·58	Dum-Dum.		
...	...	1·12	0·41	1·15	0·80	0·30	0·30	...	3·98	0·21	15	17·15	11·84	10·89	3·98	22·37	23·10	Barasat.		
...	...	0·64	0·52	0·17	...	2·35	...	...	0·20	...	11	17·35	9·02	12·60	2·35	22·15	27·19	Buseerhat.		
...	...	1·16	0·95	0·44	0·48	0·10	0·22	...	0·33	0·06	15	18·75	7·03	12·51	1·16	17·53	24·56	Howrah ...	Howrah.	
...	0·02	0·52	0·60	0·20	0·80	0·04	0·10	...	0·30	0·02	18	18·27	8·02	13·55	1·24	19·80	24·90	Mohesreka (*OoloobeRiah*).		
...	0·22	0·54	0·28	0·43	0·35	0·36	0·36	0·01	3·00	...	14	18·00	9·94	12·79	3·00	18·92	24·53	Serampore ...	Hooghly.	
...	...	0·16	0·34	0·50	0·51	1·37	0·59	0·15	2·17	...	15	16·85	10·62	12·08	2·17	21·58	23·83	Hooghly.		
...	0·02	0·14	0·40	0·10	0·11	0·24	0·11	...	0·08	...	15	15·79	10·96	12·48	5·80	24·00	24·31	Johanabad.		
0·18	...	0·10	...	0·83	0·05	0·30	0·35	...	1·84	...	14	18·30	12·82	10·57	5·20	24·88	21·16	Burdwan. ...	Burdwan.	
0·02	0·04	0·33	0·06	0·11	1·17	0·22	0·21	0·02	0·45	0·75	18	16·45	14·00	11·22	4·12	27·65	22·23	Cutwa.		
0·35	...	0·20	0·38	0·10	0·48	0·25	1·38	...	2·10	0·30	16	14·80	12·70	9·94	2·62	27·04	22·58	Raneegunge.		
0·02	...	...	0·20	0·47	0·75	0·15	0·04	...	2·40	0·15	12	16·85	9·08	13·72	2·40	25·11	24·10	*Mankur.*		
...	...	0·33	0·50	0·14	1·33	...	0·32	...	0·41	...	17	?	11·36	?	2·98	25·30	?			
0·03	...	0·97	0·12	0·20	0·39	0·27	0·05	...	0·71	0·10	15	17·45	10·48	12·47	3·85	23·98	23·96	Bankoora ..	Bankoora.	
0·15	...	0·45	0·67	0·48	0·42	0·36	1·07	...	0·31	...	17	16·82	12·13	12·01	3·10	27·45	24·78	Bishenpore.		
...	...	0·14	0·98	0·65	0·82	0·39	...	0·03	1·99	0·10	15	18·18	11·65	14·11	2·39	30·93	26·41	Mahara.		
...	0·31	0·68	...	0·48	2·00	0·42	...	0·13	0·25	...	14	18·00	10·12	14·58	2·90	21·66	27·78	Khatra.		
...	...	0·20	0·54	0·75	0·50	0·32	0·34	...	1·34	...	16	?	13·08	?	2·63	25·80	?	Indas.		
...	...	...	0·30	0·23	0·14	0·20	...	0·76	0·15	...	12	?	9·81	?	4·90	24·10	?	Kotalpore.		
...	0·05	0·20	0·32	...	...	...	0·40	...	...	...	9	?	4·26	?	1·00	9·74	?	Anda.		
...	...	0·33	0·20	...	2·57	0·25	...	...	1·06	...	14	?	13·77	?	4·00	29·81	?	Gangajalghati.		
0·12	...	2·55	...	0·21	1·22	0·21	1·22	...	0·12	...	16	?	12·33	?	2·05	31·52	?	*Raipore.*		
...	...	0·16	0·67	0·12	1·47	0·22	0·14	...	1·63	...	14	?	11·99	?	1·82	28·01	?	*Sonamukhi.*		
0·01	0·03	0·59	0·17	0·27	0·62	0·14	0·43	0·03	1·62	0·02	16	17·90	12·82	12·70	2·55	25·69	25·83	Bh. Soory ..	Beerbhoom.	
0·05	0·07	0·01	0·61	0·47	0·49	0·51	0·13	0·01	1·09	0·15	13	17·21	8·01	14·44	1·69	24·31	27·88	Hetampore.		
0·12	...	0·31	0·11	0·14	0·34	0·37	0·18	0·11	2·94	0·89	17	16·18	12·20	10·88	2·94	21·97	22·00	Rampore Haut		
...	...	...	0·86	0·55	...	1·37	0·25	...	1·22	...	10	?	8·66	?	1·79	23·83	?	*Bolpur*		
...	...	...	...	0·50	...	2·60	0·22	0·10	2·15	...	12	?	16·45	?	5·13	25·99	?	*Murarai.*		
0·26	...	0·24	0·25	0·17	1·10	0·25	0·34	0·02	1·22	...	17	14·45	9·49	10·16	2·90	21·53	22·53	Ranagahat ...	Nuddea.	
0·58	0·01	...	0·06	0·30	0·16	0·81	0·36	0·03	1·02	0·19	17	15·75	12·93	10·14	2·77	28·30	21·49	Kishnaghar.		
0·15	...	0·25	0·15	0·40	0·41	0·60	0·12	0·10	1·80	0·04	19	15·00	10·17	10·21	3·07	24·31	23·79	Choodanga.		
...	...	...	0·25	0·48	0·60	0·45	0·30	...	1·40	...	16	15·50	11·70	9·82	3·20	27·65	22·72	Meherpore.		
0·83	...	0·10	0·07	0·32	0·13	0·48	1·45	...	0·08	...	17	16·50	7·99	10·88	1·45	22·22	20·14	Kooshtea.		
0·03	0·15	0·50	0·05	0·06	1·58	2·70	0·38	...	0·24	0·22	19	18·20	13·83	12·35	4·30	27·00	27·85	Satkhira ...	Khoolna.	
...	0·03	0·17	0·16	0·36	0·15	2·75	3·08	0·49	1·22	0·12	19	20·05	16·44	14·74	3·08	33·63	32·19	Bagirhat.		
0·22	...	0·18	0·04	0·42	0·25	1·74	0·10	0·27	0·96	0·09	20	18·32	11·50	11·50	1·74	21·80	27·05	Khoolna.		
0·24	...	...	...	0·50	0·45	5·70	...	...	1·35	...	15	?	15·89	?	5·70	30·33	?	*Naktipur.*		
...	...	0·45	0·12	...	0·40	2·20	1·07	0·70	...	...	12	?	9·91	?	2·20	19·91	?	*Rampal.*		
0·10	0·12	0·27	0·12	1·03	0·11	2·47	0·75	0·05	1·90	0·0	20	14·53	14·05	9·05	2·47	24·65	23·01	Narail ...	Jessore.	
0·10	0·03	0·25	0·21	0·57	0·15	3·00	0·28	0·36	0·35	0·11	24	17·30	11·71	11·35	3·00	26·87	27·47	Jessore.		
0·14	...	0·05	0·12	0·87	0·38	1·05	0·38	0·29	0·15	...	17	16·05	6·84	9·70	1·25	26·28	25·80	Jhenidah.		
0·08	...	0·05	0·07	0·83	0·30	0·50	0·45	0·12	0·34	...	15	15·74	11·24	10·25	2·46	29·58	25·88	Magoorah.		
0·15	...	...	0·35	0·25	0·20	1·15	0·65	...	0·30	0·35	16	14·75	10·71	10·61	3·10	24·97	24·01	Bongong.		
...	...	0·09	0·15	0·06	0·70	0·40	0·40	...	3·12	0·80	13	16·13	9·76	12·00	3·12	22·84	24·54	Kandi ..	Moorshedabad.	
0·10	0·01	0·07	0·80	0·16	0·13	0·37	1·56	0·01	2·94	0·20	14	15·80	9·77	10·38	2·94	24·51	22·74	Berhampore.		
0·15	..	0·62	0·37	0·45	0·12	0·63	2·35	0·03	1·35	...	17	15·57	11·27	10·30	2·35	27·74	21·78	Lalbagh.		
...	...	0·10	0·21	0·50	0·06	0·50	1·90	0·07	0·46	...	15	16·28	9·98	10·34	2·10	23·29	23·08	Azimgunge.		
...	...	0·25	0·87	0·43	...	0·59	2·71	0·25	1·90	...	18	15·37	10·23	10·99	2·71	28·66	22·71	Jungipore.		
...	...	...	...	0·80	...	0·40	4·05	0·20	1·05	...	13	15·00	13·59	11·26	4·05	31·74	24·23	Lalgola.		
...	...	...	0·35	0·60	0·07	0·11	3·70	0·05	0·60	...	12	?	10·57	?	3·70	27·71	?	*Akhrigunj.*		
...	...	...	0·20	0·70	0·20	0·50	...	0·80	0·10	...	12	?	6·65	?	1·35	27·25	?	*Patkabari.*		
1·23	0·15	0·52	1·44	0·98	0·80	7·32	3·85	3·70	...	...	23	23·53	50·55	40·14	8·26	64·44	79·63	Cox's Bazar ...	Chittagong	EAST BENGAL
0·08	...	0·33	0·20	0·05	...	1·60	5·02	1·00	...	0·02	15	20·05	36·08	21·97	6·32	51·36	61·67	Chittagong.		
0·50	...	0·80	1·60	0·25	0·11	3·48	8·41	2·60	...	...	23	?	52·59	?	8·90	69·77	?	*Kutubdia.*		
0·05	...	0·21	...	...	...	1·83	5·20	0·50	0·83	...	19	?	54·83	?	14·63	69·59	?	*Satkanya.*		
...	0·15	0·11	0·16	0·22	...	0·23	2·25	1·05	0·37	0·05	23	22·00	24·73	19·04	6·00	45·88	42·11	Rangamati ...	Chittagong Hill Tracts.	
0·10	...	...	...	0·39	...	1·03	2·07	1·55	0·41	0·09	18	?	55·64	?	10·44	81·43	?	*Bundarban* ...		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL —concld.	Backergunge...	Patuakhally ...	..	.	0·25	0·65	0·40	1·35	...	0·77	1·15	...	1·60	0·13	0·45	...	0·02	1·10	1·05	0·10	0·12	0·15
		Perozepore ...	...	0·25	0·72	0·94	1 35	3 10	...	0·54	0 87	...	...	0·11	...	0·27	...	2 58	0·20	...	...	...
		Burrisal ...	0·15	.	..	0·39	1·16	2·07	0·02	0·85	2·32	...	1·46	...	0·05	0·37	0·53	0·05	0·47	0·05	...	0·04
		Bhola ...	0·18	0·28	0·80	0·06	0·46	2·40	...	0·15	2·09	...	0·07	...	0·10	0·33	0·32	1·35	0·22	...	...	0·05
		Gournaddi ...	...	0·26	...	0·30	1·20	0 95	...	0·75	1·20	...	1·40	0·07	0·24	0·20	...	0·32	...	...	...	...
		Bauphal ...	...	...	0·55	0·41	0·90	1·26	...	0·83	1·42	0·09	1·43	...	0·05	...	1·11	2·00	0·12	0·15	...	...
	Noakholly ...	Noakholly ...	0·36	...	0·50	0·70	1·82	2·31	...	0·30	0·56	0·47	0·05	0·02	0·02	...	0·63	0·80	0·87	...	...	0·37
		Fenny ...	0·63	...	0·18	1·65	2 55	1·90	1·30	0·40	0·40	2·35	0·32	...	...	0·25	0·24	6·20	1·72	...	0·15	...
		Harishpore ...	0·15	0·20	0·10	2·10	5·65	2·95	1·75	1·65	1·35	2·45	...	...	...	0·15	1·10	8·65	...	...	...	0·05
		Ramganj ...	0·07	...	0·79	0·22	0·68	1·75	...	0·24	1·27	0·05	...	...	...	...	0·76	0·32	0·75	...	...	...
	Furreedpore...	Madaripore ...	0·22	...	...	0·30	1·32	1·47	0·15	0·61	0·34	...	2·30	...	0·05	1·26	...	0·65	...	0·07	0·31	...
		Furreedpore...	0·12	...	...	0·20	0·20	2·80	0·04	0·43	0·41	...	0·58	0·02	0·17	..	0·15	0·16	4·46	0·08	0·05	...
		Goalundo ...	...	...	0·08	...	0·70	1·06	...	...	0·25	...	...	...	...	0·24	...	...	2·14	...	...	...
	Dacca ...	Munshigunge	0·20	...	0·15	0·54	3·10	2·00	0·17	0·22	0·17	0·05	...	...	...	0·15	0·06	0·13	...	...	...	...
		Dacca ...	0·20	...	...	0·96	4·02	1·08	0·25	0·57	0·09	...	0·20	...	0·07	0·36	0·01	0·12	0·07	...	...	...
		Naraingunge	0·19	...	.	0·21	4·25	1·34	0·20	0·27	0·21		...	...	..	0·24	0·27	0·09	0·06	...	...	...
		Manickgunge	0·09	...	0·06	1·45	0·08	1·36	0·23	...	0·17	0·02	0·07	0·03	0·05	0·23	0·27	...	1·62	...	...	...
		Joydebpore ...	...	...	0·46	1·09	1·18	0·65	...	0·66	...	0·09	...	...	...	0·46	0·73	0·21	0·79	0·02	...	0·12
	Hill Tipperah	Agartola ...	...	...	...	0·30	0·50	3·30	0·10	1·30	0·70	0·40	...	0·30	0·20	...	...	0·30	0·10	0·60	0·10	...
	Tipperah ...	Comilla ...	0·20	...	0·05	0·20	1·13	1·80	0·30	...	0·50	0·55	...	...	...	0·08	...	0·32	...	0·13	...	...
		Chandpore ...	..	...	0·33	0·10	1·50	0·43	...	..	2·00	...	...	...	...	...	0·20	0·40	...	...	...	...
		Brahmunberia	0·07	...	...	0·56	1·20	2·03	1·75	0·15	2·26	0·20	...	...	...	...	..	2·03	...	...	...	...
		Ramchandra-pore.	...	...	...	0·32	3·65	1·91	0·02	0·49	0·92	0·78	...	...	...	0·24	0·30	1·60	...	...	...	...
		Nasirnagar...	...	...	...	...	0·70	0·64	...	0·40	0·80	...	...	...	...	...	...	...	0·40	...	...	...
		Daudkandi ...	...	...	...	0·55	1·70	2·65	...	...	0·60	...	...	...	...	...	...	..	...	...	...	...
		Kasba ...	...	...	...	0·29	0·90	2·80	0·02	1·80	1·40	0·21	...	...	...	...	0·15	1·78	0·04	0·11	0·10	...
		Laksham ...	...	...	0·65	0·50	2 05	1·15	...	...	2·45	...	...	...	...	...	0·45	4·15	...	0·30	...	...
	Mymensingh .	Kishoregunge	...	...	...	0·18	4 38	0·44	0·48	1·57	0·74	0·08	0·36	...	...	0·52	1·12	0·31	...	0·08	...	...
		Atia (*Tangail*)	...	...	.	0·21	0·52	1·09	1·62	...	.	...	0·11	...	...	0·08	...	...	0·71	...	...	...
		Mymensingh	0·40	...	0·03	0·09	1·58	2·20	0·55	0·73	0·66	0·07	0·09	0·14	0·09	0·06	0·11	0·15	0·55	0·02	...	...
		Jamalpore ...	0·59	...	.	0·80	2·74	1·84	0·81	...	0·97	0·01	...	...	...	...	...	0·69	1·97	0·37	...	...
		Netrokona ...	0·35	0·85	0·10	...	1·05	0·21	0·36	2·51	0·15	0·39	0·29	...	...	0·26	0·00	0·91	0·32	...	...	...
		Subornakhally	..	0·20	..	...	2·75	0·68	0·58	...	...	..	0·06	...	...	...	...	...	2·50	0·10	...	0·12
		Durgapore ..	0·50	...	0·26	0·90	...	2·20	1·40	4·50	1·30	0·55	1·80	-	...	0·81	1·70	0·28	2·00	...	...	...
		Sherpore Town	0·39	...	...	...	1·50	2·50	0·74	...	1·72	...	...	0·22	...	...	...	...	1·35	...	...	...
		Dewanganj ...	0·38	...	1·01	1·61	2·85	1·23	...	1·30	...	0·25	...	...	0·11	0·68	...	1·24	1·21	...	...	...
NORTH BENGAL	Pubna ...	Pubna ...	...	...	...	0·14	0·11	1·40	1·24	...	...	...	0·35	0·22	..	0·91	...	0·22	...	...	0·19	...
		Serajgunge ...	0·31	0·12	...	0·09	0·98	0·58	1·02	...	...	...	0·06	...	...	...	...	0·05	3·70	...	...	...
	Bogra ...	Sherpore ...	0·19	0·11	...	0·18	0·96	0·30	0·28	0·08	...	...	...	...	...	...	1·15	...	0·50	0·11	...	...
		Nowkhilla ...	0·03	...	...	0·16	0·73	0·67	0·87	...	0·06	...	0·05	...	0·05	.	2·02	0·02	0·48	0·21	...	0·15
		Bogra ...	0·95	0·03	...	...	1·73	1·05	1·27	...	...	0·05	0·07	0·02	0·02	0·02	1·33	0·34	0·10	0·53	...	...
		Panchbibi ...	0·92	0·15	...	...	0·45	3·38	1·47	0·50	...	...	0 31	...	...	...	0·72	...	1·23	0·37	...	...
	Rajshahye ...	Beauleah ...	0 05	0·21	0·49	...	1·33	..	0·48	...	...	...	...	0·05	...	0·19	0·11	0·77	0·83	0·84	0·02	...
		Nattore ...	0·12	0·40	...	0·10	0·20	1·50	1·30	...	...	...	...	0·10	...	0·27	0·20	0·03	1·80	1·55	...	...
		Naogaon ...	0·10	...	..	0·40	2·83	2·06	0·70	0·18	...	0·08	...	...	...	0·55	...	2·00	...	...	...	0·06
		Lalpore ...	1 65	...	0·54	1·60	...	0·87	...	...	...	0·33	...	...	...	...	...	...	...	...	...	...
		Manda ...	...	..	0·05	0·40	3·04	0·43	0·18	...	...	...	...	...	...	...	0·30	...	...	...	...	...
	Maldah ...	Maldah ...	0·75	0·17	0·87	0·58	1·34	1·25	...	0·04	...	...	0·01	...	...	...	0·24	...	0·68	0·40	...	...
		Chanchal ...	0·18	0·[illegible]2	1·20	1·54	0·68	2·82	0·10	0·07	...	...	...	0·10	0·07	...	0·61	0·77	0·01	0·81	...	...
		Gajol ...	0·41	0·30	3·65	1·51	4·50	2·70	0·12	0·40	...	...	...	...	...	...	0·55	1·30	0·40	1·45	..	...
		Sibganj ...	...	1·07	0·28	1·93	1·12	1·38	0·02	...	...	...	0·42	...	0·04	0·00	0·30	...	...	0·61	...	...
	Dinagepore ...	Mohadebpore	1·20	...	...	...	1·75	4·75	0·18	0·19	...	0·08	...	...	...	...	0·60	...	0·02	0·40	...	...
		Churamon ...	0·22	0·86	3·18	1·63	1·18	3·26	0·12	...	0·22	2·03	0·07	...	0·05	...	0·13	3·71	...	1·13	...	...
		Raigunge ...	1·40	...	5 20	0·18	0·94	5·08	0·80	1·60	...	1·30	0·46	...	...	0·60	2·30	0·75	1·12	0·70	...	...
		Dinagepore ...	0·71	0·23	3·14	...	0·68	1·84	2·50	2·56	0·36	0·17	0·08	...	...	0·12	0·58	2·78	0·59	0·14	...	...
		Baloorghat .	1·82	0·09	0·18	0·05	1 19	3·56	0·50	2·23	...	...	0·07	...	...	...	0·37	0·41	1·17	0·29	...	...
		Thakurgaon...	2·55	3·25	3 75	...	1·33	1·32	4 10	3·77	...	0·36	...	...	...	3·55	1·77	0·98	0·65	...	...	...
	Rungpore ...	Bhawanigunge (*Gyabanda*).	0·60	...	0·12	1·80	0·50	0 90	7·26	2·00	0·67	0·10	0·05	0·10	0·15	0·96	0·60	...	0·10	0·50	...	...
		Rungpore ...	0·31	0 25	...	0·11	0·08	1·08	5·33	2·15	3·08	0·53	0·06	0·02	0·01	0·80	0·45	0·15	1·43	...	...	...
		Kurigram ..	...	..	...	0·03	1·50	1·82	4·20	2·16	3·16	0·42	...	...	...	1·01	1·06	...	..	...	...	...
		Bagdogra ... (*Nilphamari*).	0·99	2·55	2·44	0·33	0·19	0·78	4·78	5·15	0·27	0·28	...	...	...	0·21	4·25	0·01	0·39	...	...	...
		Ulipore ...	...	0·67	...	...	0·92	1·48	4·08	3·42	2·15	0·40	...	...	...	...	1·85	...	...	...	...	...
	Julpigoree ...	Julpigoree ...	0·40	3·24	2·50	0·03	0·75	0·61	0·60	2·62	0·07	0·00	0·18	0·33	0·53	0·21	0·14	0·08	0·07	0·06	...	0·33
		Alipore Doar	...	0·00	1·14	...	0·67	0·70	1·20	5·71	2·06	0·12	0·59	0·39	...	...	7·70	0·28	...	...	...	1·29
		Falacotta ...	...	5·53	0·35	...	0·32	1·38	2·05	3·25	0·39	0·17	...	0 27	...	...	1·68	.	...	0·13	...	0·13
		Debiganj ...	1·60	4 94	2·87	...	0·84	2·13	5·40	3·11	1·08	3 57	...	0·04	0·46	0·48	7·13	0·45	0·02	...	...	...
		Bhagatpore (Nagrakatta).	0·10	2·94	0·58	...	1·19	0·55	0·20	3·02	...	0·37	3·30	0·50	0·57	0·05	0·31	...	0·61	0·03	0·08	...
	Cooch Behar...	Dinhatta ...	0·40	0·55	0·92	0·03	1·85	1·55	2·97	6·24	1·71	1·32	1·29	0·05	...	0·32	1·90	0·28	0·14	0·20	...	...
		Cooch Behar...	...	0·70	1·63	0·07	2·19	1·25	1·78	6·50	2·50	2·64	0·55	...	...	0·10	5·16	0·60	...	0·18	...	...
		Mekliganje...	1·25	2·65	2·30	0·05	0·72	0·80	1·32	2·98	2·13	0·12	...	...	0·10	2·00	1·66	0·18	....	0·40	...	...
		Matabhanga...	0·14	2·11	0·65	0·06	2·58	0·66	1·45	3·14	1·39	0·40	0·11	0·04	0·02	0·12	5·07	0·81	0·02	0·65	...	...
	Darjeeling Hill	Buxa ...	0·22	7·72	0·63	...	2·27	1·16	0·93	3·60	0·68	0·89	0·02	0·14	1·20	0·65	0·68	0·04	0·16	0·22	...	0·12
		Siliguri ...	0·12	2·17	0·40	...	1·18	0·83	0·70	2·90	0·14	0·02	0·12	1·00	0·98	...	0·19	0·08	0·56	0·17	...	0·02
		Darjeeling ...	0·10	0·60	0·41	0·35	0·18	0·97	0·55	2·40	1·05	0·15	0·23	0·77	0·62	0·72	0·02	2·48	0·99	0·14	...	...
		Kalimpong ...	0·04	0·19	0·38	..	0·08	0·36	0·78	0·93	0·10	0·53	0·18	0·83	0·30	...	0·05	0·15	0·22	0·85	...	...
		Kurseong ...	0·20	1·00	0·42	0·50	0·97	2·23	3·40	2·64	0·21	0·68	0·11	1·41	1·11	0·30	2·10	0·65	0·11	0·16	0·16	0·08
NORTH BEHAR	Purneah ...	Kissengunge	0 80	0·12	0·40	0·04	0·24	0·09	2·10	1·28	...	...	...	...	...	...	...	0·47	...	0·38	...	...
		Arrareah ...	0·10	2·50	...	0·22	0·10	0·85	3·28	1·16	...	...	...	...	...	...	...	0·12	0·10	0·52	...	...
		Purneah ...	0·57	1·05	0·12	0·05	0·46	1·20	0·03	0·29	...	0·22	0·02	...	...	0·31	0·19	0·12	0·09	0·17	...	...
		Gondwara ...	0·55	0·11	...	0·41	1·59	0·11						...	...	...	0·28	0·80	...	...	...	...
		Balarampore	...	1·30	1·03	...	0·26	0·60	0·70	0·10	...	0·12	0·70	...	...	0·20	0·25	0·11	...	...	...	...
		[illegible] ...	[illegible]	...	...	...	0·50	0·20	1·50	0·50		...	...	0·02	...	...	0·55	0·42	...	...	...	...
		[illegible]*ganj* ..	0 36	2·69	0·43	...	0·50	0·43	1·30	2·86	0·20	...	0·10	...	0·08	...	0·05	0·19	0·03	0·55	...	...
	North [illegible]pore.	[illegible]pore ...	0·10	0·42	...	0·43	...	1·50	...	0·75	...	...	0·58	...	...	...	...	2·72	...	0·33	...	...
		[illegible] ...	0·16	0·10	...	0·55	0·24	...	0·02	.	...	...	0·15	...	...	...	...	0·51	...	0·24	...	...
		[illegible]*ganj* ...	...	5·15	...	...	0·14	2·29	...	0·40	...	...	0·29	...	...	...	...	0·40	...	0·49	...	...

in Bengal in July 1891—*continued.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st July 1891.	Average rainfall from 16th May to 31st July.	District.	Station.	Meteorological division.
...	...	0·30	...	0·30	0·50	2·50	3·20	0·70	...	...	21	22·22	17·39	21·48	3·20	36·11	48·21	Patuakhally ...	Backergunge.	EAST BENGAL —*concld.*
...	...	0·09	0·11	0·31	0·30	2·42	1·28	2·25	0·43	·007	18	20·20	17·23	16·08	2·58	36·56	35·73	Perozepore.		
0·05	...	0·18	0·18	0·38	1·35	1·89	0·89	2·09	1·45	·004	14	21·00	19·38	15·73	2·97	31·46	36·11	Burrisal.		
0·13	...	0·77	0·24	0·29	0·23	1·10	1·57	0·75	0·56	...	22	22·62	15·50	18·62	2·40	32·75	48·57	Bhola.		
0·24	0·12	...	0·28	0·37	0·48	1·40	0·78	0·82	0·40	...	19	?	11·78	?	1·40	25·20	?	*Gournaddi.*		
...	...	0·24	1·00	...	1·10	3·00	1·83	0·91	0·31	...	18	?	18·71	?	3·00	34·02	?	*Bauphal.*		
0·42	0·08	1·59	2·05	0·14	0·23	2·75	1·18	1·18	0·31	...	21	22·60	19·73	23·07	2·75	46·51	54·58	Noakholly ...	Noakholly.	
0·20	0·10	1·98	0·90	...	...	1·88	1·25	0·50	...	...	22	21·77	27·05	22·56	6·20	47·05	55·64	Fenny.		
1·45	...	4·15	2·10	...	2·25	3·60	1·60	1·65	...	...	20	?	45·10	?	8·05	75·00	?	*Harishpore.*		
...	0·22	1·10	1·77	0·13	0·12	1·21	0·23	0·91	1·02	...	18	?	13·61	?	1·77	32·30	?	*Ramganj.*		
...	...	0·58	0·12	0·29	0·49	1·40	1·68	0·54	...	·023	19	17·10	14·47	11·98	2·80	24·96	29·11	Madaripore ...	Furreedpore.	
0·26	0·08	0·30	0·05	0·07	0·16	0·10	0·41	0·01	1·71	·003	17	16·75	13·05	11·85	4·46	28·91	29·13	Furreedpore.		
...	...	0·42	0·18	0·09	0·10	0·30	0·20	...	1·40	...	11	15·26	7·16	11·87	2·14	22·34	27·37	Goalundo.		
0·10	...	0·65	0·20	...	...	0·32	0·60	1·40	...	...	16	17·44	10·21	15·74	3·10	20·51	38·71	Munshigunge.	Dacca.	
0·32	0·12	0·37	0·21	...	...	0·20	1·46	0·47	0·19	...	17	18·00	12·24	13·24	4·02	38·83	30·57	Dacca.		
0·08	...	0·23	0·32	...	...	0·27	1·00	1·35	0·80	...	15	18·13	11·47	15·69	4·25	36·51	38·38	Narainganj.		
0·17	0·03	0·34	0·03	0·16	0·06	0·10	0·81	...	...	...	12	14·94	7·43	11·80	1·62	20·18	25·51	Manickgunge		
0·04	0·05	1·00	0·23	0·21	0·06	0·35	0·05	0·34	1·04	...	17	?	10·43	?	1·18	32·73	?	*Joydebpore.*		
0·20	0·30	...	0·50	0·70	0·80	...	...	0·40	0·10	0·30	21	16·76	11·00	11·82	3·30	43·30	50·30	Agartola ...	Hill Tipperah.	
...	0·10	1·25	0·31	0·03	...	0·76	1·05	0·60	0·17	...	17	18·65	10·43	16·98	1·80	30·39	40·45	Comilla ...	Tipperah.	
...	...	1·75	1·12	0·10	0·10	0·60	0·95	0·72	0·35	...	15	20·17	10·65	15·51	2·00	29·26	36·28	Chandpore.		
0·60	...	0·02	0·10	0·42	...	...	1·40	1·60	...	...	14	16·15	15·38	10·97	2·28	39·36	30·92	Brahmunberia.		
0·10	...	...	0·25	0·07	...	0·26	0·63	1·70	...	...	16	?	14·74	?	3·05	37·86	?	*Ramchandra-pore.*		
...	...	0·54	...	...	...	...	...	0·09	...	...	6	?	3·57	?	0·80	14·50	?	*Nasirnagar.*		
...	0·50	0·30	...	...	...	0·50	1·10	...	...	...	8	?	7·90	?	2·65	33·60	?	*Daudkandi.*		
...	0·02	...	0·44	0·08	...	0·34	0·52	1·93	...	0·03	14	?	12·96	?	2·80		?	*Kasba.*		
...	...	1·40	1·05	...	...	1·50	1·05	...	...	...	12	?	16·70	?	4·15	43·70	?	*Laksham.*		
0·07	...	0·08	0·42	0·61	...	0·02	0·73	1·05	2·19	...	15	16·90	15·48	13·08	4·38	56·99	36·72	Kishoregunge.	Mymensingh.	
...	...	..	0·17	0·03	...	0·86	0·61	0·23	...	...	10	13·30	6·24	11·10	1·02	29·53	27·49	Atia (*Tangail*).		
0·13	0·13	0·44	0·77	0·38	0·03	0·23	0·90	0·03	0·15	...	18	13·20	10·79	14·43	2·20	36·11	30·26	Mymensingh.		
0·16	...	0·48	0·08	0·34	...	...	2·32	0·12	0·10	...	15	15·35	14·68	12·47	2·74	35·06	31·49	Jamalpore.		
...	0·40	0·35	0·86	0·32	0·81	0·15	1·61	1·01	1·43	...	23	20·25	14·79	16·86	2·51	58·17	43·79	Netrokona.		
...	...	...	...	0·60	...	0·12	0·39	0·45	...	...	11	?	8·85	?	2·75	22·86	?	*Subornakhally.*		
...	...	...	0·90	1·20	...	0·20	2·00	1·80	3·00	...	19	?	27·25	?	4·50	60·01	?	*Durgapore.*		
...	...	0·45	0·22	1·05	...	0·29	1·46	11·02	0·24	...	14	?	23·13	?	11·02	43·77	?	*Sherepore Town*		
...	0·21	...	0·61	...	...	0·82	...	...	...	...	14	?	14·41	?	2·85	51·50	?	*Dewanganj.*		
...	...	0·19	0·32	0·13	0·06	0·27	0·61	...	0·22	...	15	16·65	6·58	10·17	1·40	19·29	24·01	Pubna ...	Pubna ...	NORTH BENGAL.
0·04	...	0·04	0·09	0·30	...	0·60	0·73	0·51	0·03	...	10	13·50	9·28	10·97	3·70	28·62	26·24	Serajgunge.		
0·07	...	...	0·22	0·45	...	0·16	0·51	0·80	0·12	...	15	16·00	6·19	13·01	1·15	19·24	30·35	Sherpore ...	Bogra.	
...	...	..	...	0·32	...	0·41	0·52	1·13	...	...	12	14·93	7·88	11·37	2·02	29·27	28·03	Nowkhilla.		
0·13	...	0·02	0·02	0·14	...	1·02	0·27	1·15	0·10	...	13	15·25	9·86	13·07	1·73	26·27	32·98	Bogra.		
...	0·27	0·06	0·23	0·25	...	0·60	0·80	...	0·72	...	16	14·00	12·42	12·60	3·38	27·44	28·73	Panchbibi.		
0·32	...	0·08	0·04	0·21	0·28	0·14	3·95	0·05	5·20	0·02	15	14·85	15·75	11·67	4·20	30·22	24·40	Beauleah ...	Rajshahye.	
...	...	0·41	1·55	..	0·03	0·25	2·60	0·20	0·03	...	16	15·15	12·64	11·86	2·60	32·56	25·65	Nattore.		
0·05	...	0·20	...	0·80	...	0·08	0·70	0·94	...	...	12	15·88	11·74	11·25	2·83	21·95	28·78	*Naogaon.*		
...	0·80	...	0·20	...	1·10	1·40	...	...	...	...	9	?	8·49	?	1·65	21·81	?	*Lalpore.*		
...	...	...	...	...	...	0·70	2·30	0·20	...	...	8	?	7·60	?	3·04	19·16	?	*Manda.*		
...	0·19	0·77	0·09	0·42	0·07	0·74	0·45	1·84	1·06	0·10	17	15·00	12·06	11·41	1·84	25·26	25·04	Maldah ...	Maldah.	
...	...	0·49	0·05	0·54	..	0·04	0·40	0·30	0·32	...	16	17·23	11·63	12·56	2·82	20·62	28·18	Chanchal.		
...	...	...	0·30	0·80	...	0·20	...	1·45	1·75	0·67	18	?	22·46	?	4·50	33·19	?	*Gajol.*		
...	...	1·18	0·03	0·48	0·02	0·08	0·85	3·88	1·86	0·25	14	?	15·08	?	3·83	31·63	?	*Sibganj.*		
...	...	0·55	0·25	0·35	...	...	0·33	0·60	0·58	0·08	14	14·50	12·51	11·41	4·75	18·70	27·91	Mohadebpore ..	Dinagepore.	
...	...	0·61	0·11	0·55	...	0·18	0·33	0·64	0·17	...	10	14·55	20·38	11·90	3·71	31·81	26·87	Churamon.		
...	...	0·30	0·98	0·45	...	...	0·20	0·60	1·10	...	20	17·07	26·06	12·25	5·20	41·05	30·33	Raigunge.		
0·41	...	...	0·14	0·32	...	0·16	0·07	2·00	...	...	19	15·70	20·08	13·45	3·14	32·90	34·73	Dinagepore.		
0·12	...	...	0·27	0·22	...	0·49	0·20	1·34	0·35	...	17	15·75	14·94	11·63	3·56	28·85	29·38	Baloorghat.		
...	...	0·45	...	...	...	...	0·20	...	...	...	14	?	28·03	?	4·10	40·21	?	*Thakurgaon.*		
...	...	...	0·10	1·20	...	0·05	1·10	0·30	...	...	19	12·26	19·16	12·24	7·20	34·67	33·40	Bhawanigunge (*Gaibanda*).	Rungpore.	
0·06	0·07	0·20	0·27	0·42	...	0·03	1·35	1·63	0·12	...	19	14·75	21·51	10·48	5·33	44·84	42·74	Rungpore.		
...	...	1·17	1·02	0·28	0·32	0·10	0·55	0·94	...	...	15	12·50	19·83	13·49	4·20	40·83	44·72	Kurigram.		
...	0·05	0·19	0·40	0·29	...	...	1·73	0·47	...	...	19	14·46	20·85	13·73	5·15	44·76	48·60	Bagdogra. (*Nilphamari.*)		
...	...	...	0·92	0·70	...	...	1·28	1·20	...	...	12	?	19·97	?	4·98	42·20	?	*Ulipore.*		
...	2·37	2·20	0·06	0·09	...	0·50	0·12	...	0·08	...	17	19·85	18·84	25·66	3·24	37·49	61·52	Julpigoree ...	Julpigoree.	
...	...	0·10	0·29	...	...	0·72	...	...	...	...	16	?	29·28	?	7·70	52·81	?	*Alipore Doar.*		
...	0·82	1·63	...	...	...	0·43	...	...	...	...	15	?	18·55	?	5·56	35·58	?	*Falacotta.*		
...	0·15	0·94	0·57	0·04	...	..	0·84	1·55	0·03	..	18	?	38·21	?	7·13	50·42	?	*Debiganj.*		
0·35	0·70	0·70	1·40	0·20	0·05	0·37	0·07	0·70	1·02	0·34	22	?	20·90	?	3·30	46·41	?	*Bhogotpore (Nagrakatta.)*		
...	...	0·35	0·16	...	...	0·52	0·33	0·50	...	...	20	16·75	23·08	13·56	6·24	40·09	52·93	Dinhatta		
...	...	0·41	0·16	...	...	0·60	0·23	...	...	...	17	17·89	27·25	23·56	6·50	55·57	67·40	Cooch Behar...	Cooch Behar.	
...	0·27	1·46	0·03	...	...	0·72	0·57	0·30	0·16	...	20	17·42	22·32	20·44	2·98	47·39	58·95	Meckligunge.		
...	2·11	1·30	0·04	0·02	...	0·63	0·29	0·15	0·03	...	19	17·83	23·93	22·39	5·07	53·15	62·60	Mathabhanga.		
0·55	0·78	1·99	0·08	0·04	...	2·24	0·11	0·71	0·33	0·07	23	23·75	28·35	48·01	7·72	67·54	106·37	Buxa ...	Darjeeling.	
0·05	0·10	3·80	0·45	...	...	0·80	0·53	0·15	0·30	...	21	21·50	17·85	32·91	3·80	36·39	66·71	Siliguri.		
0·21	1·18	1·79	0·74	1·96	0·02	4·18	3·17	0·50	0·45	0·12	27	26·80	27·11	30·07	4·18	54·74	58·41	Darjeeling.		
0·24	0·49	2·15	0·67	1·12	...	5·50	2·88	0·57	1·04	0·06	22	24·13	20·99	28·42	5·50	36·30	61·49	Kalimpong.		
1·00	0·35	2·16	0·48	1·03	...	2·06	1·38	0·21	0·37	0·10	20	?	27·78	?	3·40	60·33	?	Kurseong.		
...	...	0·35	...	0·12	...	...	0·24	0·04	0·44	...	13	17·26	10·71	16·49	9·12	31·53	35·78	Kissengunge ...	Purneah ...	NORTH BEHAR.
...	...	0·20	0·25	0·12	...	0·05	0·65	0·50	0·20	0·21	17	15·68	11·22	15·98	3·28	28·44	32·10	Arrareah.		
0·28	...	0·14	0·40	0·60	...	0·39	0·63	0·35	0·32	0·83	20	16·47	8·97	13·89	1·29	23·04	28·28	Purneah.		
...	0·25				...	1·06	...	0·69	...	...		?		?			?	*Gondwara.*		
...	...	0·50	...	...	...	0·10	0·90	0·70	...	...	15	?	7·57	?	1·30	18·93	?	*Balarampore*		
...	...	0·02	...	...	...	...	0·20	...	...	0·63	9	?	6·04	?	1·50	14·44	?	*Matiari.*		
...	2·30	0·66	0·20	...	...	0·18	0·48	0·10	1·90	...	18	?	15·85	?	2·86	32·47	?	*Kaliaganj.*		
...	...	0·60	0·07	0·05	...	...	0·77	0·16	0·99	0·05	12	14·50	9·82	11·49	2·72	20·85	22·44	Maddapore ..	North Bhagulpore.	
...	...	...	...	..	...	0·11	0·59	...	0·09	1·80	11	14·22	5·52	10·95	1·80	16·43	22·45	Soopool.		
...	...	...	...	...	...	...	0·18	...	0·31	...	9	?	10·65	?	5·15	26·13	?	*Protabganj.*		

Table of Rainfall recorded at Stations in

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH BEHAR —*concld.*	Durbhunga ...	Tajpore ...	0·72	0·16	0·64	0·14	2·57	1·35	2·40	...	...	0·04	...	...	...	...	...	2·41	0·05	1·30	...	...
		Durbhunga ...	0·14	0·04	3·02	0·35	0·32	0·48	1·12	0·11	...	...	...	...	0·05	...	...	0·80	0·60	1·30	0·02	...
		Madhubani ...	0 13	0·84	0·27	0·22	1·02	1·27	0·30	...	...	...	...	...	0·03	...	...	0·62	0·56	0·26	...	...
		Bahera ...	...	...	1·73	0·23	1·21	1·20	1·17	0·33	...	...	...	...	...	...	...	0·84	0·60	1·20	...	...
		Roshera ...	1.20	0·40	0·05	0·15	0·10	0·12	0·09	...	...	...	...	...	...	...	...	0·40	0·30	...	...	...
	Mozufferpore	Sitamarhi ...	0·25	0·22	0·30	0·08	...	2 58	1·32	0·04	...	1·02	...	...	0·40	...	1·42	2·46	0·04	...	0·20	...
		Mozufferpore	0·12	0·04	2·67	0·32	0·47	0·52	2·50	...	...	...	...	...	...	...	0·48	0·64	0·12	0·35	...	...
		Hajipore ...	0·11	0·10	0·30	...	0·50	2·46	0·16	0·05	...	...	...	...	...	...	0·47	0·04	...	1·25	...	...
		Paru ...	2·15	...	...	3·00	0·50	1·15	...	...	...	...	...	...	...	...	...	1·55	...	0·47	0·47	...
		Mahua ...	0·28	...	1·18	2·15	0·70	0·44	...	...	...	...	...	...	...	...	1·70	..	1·33	...	...	3·03
		Sinhari ...	0·35	0 20	1·30	0·40	0·35	0·65	2·10	...	...	...	...	...	...	...	1·80	0·96	...	...	...	...
		Pupri ...	...	...	4·30	...	2·24	0·92	..	...	...	...	...	...	...	...	...	6·00	0·33	...	...	...
	Chumparun ...	Motihari ...	0·69	0·19	0·24	0·18	1·09	0·98	0·64	...	...	...	...	...	...	...	1·34	1·20	0·18	0·09	...	...
		Bettiah ...	0·66	0·62	0·08	0·03	0·03	0·91	2·60	...	...	0·01	...	...	0·01	...	1·78	1·00	0·33	0·02	...	...
		Bagaha ...	0·38	1·58	0·05	...	2·72	1·90	1·74	...	...	...	...	...	...	...	2·85	0·27	0·40	0·40	...	...
		Burhurwa ...	1·08	0·19	0·01	0·03	0·30	0·96	1·15	...	...	...	...	0·01	...	...	1·00	0·47	...	0·38	...	...
	Sarun ...	Gopalgunge ...	1·15	0·20	...	...	...	1·97	3·35	...	...	...	...	...	...	...	0·50	0·78	...	...	...	...
		Sewan ...	0·10	...	...	...	1 13	...	...	...	...	...	...	...	...	0·22	0·23	0·27	0·23	...	...	...
		Chupra ...	1·06	0·03	...	...	...	0·52	...	...	...	...	...	...	...	...	0·38	...	2·15	0·96	...	...
SOUTH BEHAR	Shahabad ...	Buxar ...	0·36	0·24	...	...	...	0·02	0·16	...	...	0·02	...	...	...	...	0·55	...	...	0·65	...	...
		Dehree ...	...	0·05	0 60	0·05	0·45	0·47	...	...	...	0·37	...	0·08	...	...	...	0·50	0·00	0·04	...	...
		Bhuboosah ...	...	0·10	...	0·40	0·26	0·40	...	...	...	0·30	...	3·60	...	...	...	...	...	...	...	...
		Sassoram ...		0·66	...	...	.	0·15	...	...	...	0·37	...	0·35	...	...	...	0·00	...	...	...	...
		Arrah ...	0·30	0·09	...	0·48	0·02	1·20	...	...	...	...	...	...	...	...	...	0·27	0·65	...	...	...
		Mohaniah ...	...	...	...	1·20	...	...	...	...	...	...	...									
	Gya ...	Aurungabad...	...	1·72	0·35	0·23	1·15	0·20	...	...	...	0·72	...	0·10	...	...	...	0·52	0·20	0·16	0·09	...
		Gya ...	0 13	0·47	1·03	0·03	2·08	0·12	...	...	0·07	0·46	...	...	...	...	...	...	1·60	0·52	0·35	...
		Nowadah ...	3·32	0·22	0·44	...	1·89	0·81	...	0·08	0·19	...	...	...	...	...	...	0·28	0·20	0·21	0·24	...
		Jehanabad ...	1·25	0·50	0·76	...	1·53	3·00	...	0·28	...	...	...	...	...	...	...	...	1·58	1·08	...	...
		Arwal ...	...	...	1·00	...	...	1·60	0·65	...	...	...	...	...	...	...	...	...	1·60	...	...	...
		Daudnagar ...	0·15	...	...	...	0·44	0·35	0·33	...	...	...	...	...	...	...	0·18	0·30	0·40	...	...	...
		Sheerghati ...	...	...	0·45	...	...	1 70	...	...	...	...	...	...	...	...	...	...	..	0·25	1·10	...
		Rajauli ...	1·19	...	...	1·45	1·48	1·11	...	0·33	...	...	...	...	...	..	...	0·35	2·00	1·00	0·11	...
		Pakri Barawan.	1·35	...	0 35	0·25	...	2·10	0·22	...	...	...	...	...	...	...	...	1·75	...	1·70	...	...
	Patna ...	Patna ...	0·23	0·06	0 46	0·12	...	1·20	...	0·85	...	...	...	...	...	...	...	0·50	0·30	1.36	...	...
		Dinapore ...	0·12	0·15	0·15	...	...	1·34	...	0·09	...	...	...	...	...	...	0 28	...	0·30	1·50	...	...
		Behar ...	0·20	...	2·02	4·12	0·08	3·70	...	...	0·20	0·13	...	...	...	...	...	0·76	0·07	2·72	...	...
		Barrh ...	0·28	...	0·55	0·20	0·12	4·00	0·30	0·10	..	..	...	...	...	...	...	0·50	...	4·00	...	...
		Bickram ...	0·59	...	.	0·10	...	1·85	...	0 05	0·03	0·32	...	...	...	...	...	...	1·05	1·24	...	...
		Hilsa ...	0·19	...	0·80	0·20	...	3 06	...	...	...	0·30	...	...	...	...	...	...	0·60	1·15	...	...
	Monghyr ...	Begooserai ...	...	0·16	0·23	...	1·70	0·90	0·24	...	...	...	...	...	...	...	...	2·75	0·30	0·99	...	...
		Monghyr ...	1·05	0·37	0·02	0·10	...	1·08	0·30	...	...	...	...	...	...	...	0·57	...	0·20	0·11	...	...
		Jamui ...	...	.	0·19	...	2·28	1·61	0·70	...	0·67	...	...	...	...	...	0·42	0·21	0·00	1·36	...	...
		Gogri ...	...	1·17	...	...	...	1·87	0·76	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheikpura ...	...	...	...	2·90	...	2·39	1·40	...	...	...	...	...	...	...	...	...	1·10	...	...	...
	South Bhagulpore.	Bhagulpore ...	1·83	1·33	...	0·30	1·20	2 72	0·34	...	...	...	...	...	...	...	0·08	2·58	0·19	0·34	...	...
		Banka ...	0·84	0·22	..	0·23	1·10	2·49	0·16	...	0·17	...	...	0·30	...	0·10	...	...	0·04	0·15	...	0·09
		Kolgong ...	0·52	1·85	0·37	0·94	1·45	1·47	0·18	...	...	...	.	0·15	...	...	...	...	0·28	0·15	...	0·12
		Bongaon ...	0·75	1·00	0·70	...	1·97	0·85	0·80	...	...	...	...	...	...	...	...	...	2·35	...	...	...
	Sonthal Pergunnahs.	Rajmehal ...	1·28	0·12	1·72	0·68	1·37	0·09	...	...	...	...	0·26	0·13	0·03	0·02	0·07	0·08	0·89	1·01	...	...
		Godda ...	1·20	2·15	0·03	...	1·10	1·32	0·32	...	...	...	...	0·15	...	...	...	...	1·15	0·67	...	...
		Pakour ...	0·04	0·44	...	0·23	0·08	0·37	..	...	...	..	0·02	0·06	...	0·02	1·47	...	0·39	0·02	...	...
		Nya Doomka	0·45	...	...	1·06	0·22	2·27	0 02	...	0·01	0·06	0·03	0.17	0·07	0·03	...	1·54	...	0·08	0·09	0·01
		Deoghur ...	0·05	0·52	0·93	0·04	1·12	0·63	0·03	0·10	0·14	0·39	...	0·05	...	0·02	...	0·75	0·38	2·15	...	...
		Jamtara ...	0·23	0·10	...	0·06	0·03	1·82	0·05	...	...	0·25	...	0·36	0·07	...	...	3·12	0·30	3·54	...	...
		Mohagama ...	0·80	2·44	...	...																
		Nasihat ...	0·40	...	...	0·85	1·07															
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*).	...	...	...	...	2·07	1·65	...	0·42	...	...	...	...	0·14	...	3·77	1·08	0·69	0·14	0·11	...
		Hazaribagh ...	0·11	...	0·08	1·61	2·22	1.13	...	0·25	...	0·09	...	0·41	0·13	...	0·37	...	0·51	0·32	0·16	0·10
		Somtagurah ...	...	...	0·40	.	2·67	...	0·90	...	0·30	...	...	0·10	...	...	0·65	...	0·68	...	0·14	...
		Mahudi Hills	...	...	1·84	1·44	...															
		Jhoomrah Hills	0·10	...	1·80	2·40	2·10	0·10	0·20	0·20	...	...	0·40	0·20	...	0·20	...	...	2·30	1·20	0·30	...
		Barhi ...	...	...	0 66	1·20	0·14	1·93	0·27	0·07	0·08	...	...	...	...	...	...	0·13	4·08	0·85	0·35	...
		Chatra ...	...	...	0·66	0·88	1·33	0·68	...	0·16	...	...	...	0·10	...	...	...	...	2·60	0·27	...	...
		Karagdeha ...	0·70	0·49	1·47	0·30	0·17	1·90	...	...	1·47	...	...	...	...	...	0·79	0·79	...	1·49	...	0·20
		Ramghar ...	...	...	0·75	2·50	0·40	...	...	...	...	...	...	...	...	1·30	...	0·70	...	1·30	...	...
	Lohardugga...	Lohardugga ...	...	...	3·34	...	1·20	...	...	1·12	0·35	...	0·75	...	...	...	...	...	0·50	...	0·15	0·55
		Ranchi ...	...	...	0·20	..	1·28	0·96	0·14	...	...	...	..	1·06	0·11	...	0·12	0·18	0·09	0·06	0·30	0·05
		Palamow ...	0·07	...	2·10	1·65	...	0·65	...	0·68	...	1·15	0·20	...	...	...	...	0·18	...	0·75	1·53	0·05
		Silli ...	...	...	0·05	...	0·20	0·70	...	...	...	1·10	...	0·05	0·10	...	0·40	2·90	2·15	...	0·70	0·10
		Balumat ...	...	0·60	2·50	...	4·34	...	0·12	...	0·25	0·25	...	...	...	0·24	0·40	...	0·48	...	...	...
		Hoseinabad...	...	...	4·70	...																
		Garwah ...	0·20	...	0·07	1·08	...	1·07	...	0·20	...	1·33	...	...	...	...	...	...	0·11	0·28	0·38	...
	Singbhoom ..	Chyebassa ...	...	0·57	0·10	0·20	0·73	...	...	...	0·75	...	...	1·28	0·07	...	1·05	0·77	0·61	0 36	...	0·44
		Chakradharpore.	...	...	0·81	0·12	0·12	1·11	0·14	...	...	...	...	...	...	...	...	0·46	1·21	0·20	0·16	...
		Ghatsila ...	...	...	...	1·50	0·50	...	...	...	0·20	...	...	0·70	...	...	...	0·50	...	...	1·45	0·47
		Baharagura...	...	...	0·85	0·35	0·50	...	...	...	...	...	0·65	0·50	...	...	...	...	0·84	...	0·43	0·50
	Manbhoom ...	Purulia ...	...	...	0·46	2·72	...	2·07	...	...	...	...	...	0·12	0·07	...	0·16	3·84	1·53	0·40	0·17	0·19
		Gobindpore ...	1·09	0·61	1·05	0·34	0·56	1·42	0·09	0·16	0·03	0·23	...	0·04	...	0·12	0·10	2·26	1·08	0·28	...	0·13
		Raghunathpore.	...	1·70	...	2·03	1·60	1·23	...	...	...	...	...	0·21	0·17	...	...	0·80	...	1·40	...	...
		Barrabhoom...	...	0·30	...	0·50	3·00	0·20	...	...	0·53	...	...	0·78	0·20	...	...	0·75	0·12	0·30	0·18	0·11
		Jhalda ...	2·40	...	...	0·29	...	1·22	...	...	...	...	0·11	...	...	...	...	1·20	5·30	...	...	0·80
		Chas ...	...	...	0·15	0·40	1·85	0·81	...	0·06	0·38	...	...	0·05	...	...	0·50	3·75	1·30	...	0·12	...

Bengal for the month of July 1891—*concluded.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st July 1891.	Average rainfall from 16th May to 31st July.	Station.	District.	Meteorological division.
...	...	0·07	...	0·77	0·62	0·58	0·84	0·22	2·75	1·05	16	12·70	18·63	12·19	2·75	33·70	20·88	Tajpore ...	Durbhunga ...	NORTH BEHAR—*concld.*
...	...	...	...	0·34	...	...	1·18	0·15	...	0·35	14	13·32	10·46	11·89	3·02	18·63	21·01	Durbhunga.		
...	0·07	0·15	...	0·10	...	...	0·39	..	1·68	...	14	12·53	7·07	10·69	1·68	19·29	20·82	Madhubani.		
...	...	...	...	0·96	...	...	1·10	0·18	0·75	0·32	14	?	11·82	?	1·73	21·95	?	*Bahera.*		
...	...	0·40	...	0·10	0·47	0·58	0·42	0·10	0·05	0·92	14	?	5·85	?	1·20	10·61	?	*Roshera.*		
...	...	...	...	...	...	...	0·72	0·02	1·65	0·55	13	10·89	13·27	10·59	2·59	35·04	19·07	Sitamarhi ...	Mozufferpore.	
...	...	0·08	...	0·18	0·06	...	1·00	0·05	0·96	1·45	14	14·00	12·07	11·81	2·67	20·74	20·72	Mozufferpore.		
...	...	...	0·04	0·31	0·18	0·03	0·72	0·12	0·27	0·64	14	13·79	8·05	11·85	2·46	20·38	19·72	Hajipore.		
...	...	...	...	..	0·20	0·77	0·42	...	...	...	10	?	10·68	?	3·00		?	*Paru.*		
...	0·27	0·10	0·19	0·04	0·78	0·46	1·72	0·74	1·50	...	16	?	10·61	?	3·03	?	?	*Mahua.*		
...	...	...	...	...	...	0·10	0·90	...	2·10	...	12	?	11·21	?	2·10	24·26	?	*Siuhar.*		
...	...	...	...	...								?		?		18·51	?	*Pupri.*		
...	...	0·37	...	...	...	0·06	0·67	0·14	1·14	0·67	15	11·29	9·96	10·45	1·34	24·36	19·73	Motihari ...	Chumparun.	
...	...	0·15	...	0·02	...	...	0·43	0·73	0·07	0·18	11	12·05	9·66	12·68	2·00	21·03	22·31	Bettiah.		
...	...	0·10	0·05	0·33	...	...	1·10	0·62	0·03	0·05	13	?	14·57	?	2·85	38·93	?	*Bagaha.*		
...	...	0·11	...	0·35	...	0·07	0·93	1·11	0·04	0·18	13	?	8·71	?	1·15	22·10	?	*Burhurwa.*		
...	...	0·10	...	0·08	...	...	0·25	2·23	0·10	0·19	11	13·17	10·90	12·51	3·35	24·73	20·18	Gopalgunge ..	Sarun.	
...	..	...	0·09	...	...	0·30	0·64	...	...	...	8	13·60	3·21	11·73	1·13	18·01	19·64	Sewan.		
...	...	...	...	0·03	0·71	...	0·18	0·52	...	...	9	14·15	7·14	12·30	2·15	12·93	19·26	Chuprah.		
...	...	...	0·09	...	...	0·25	0·05	0·08	...	...	6	14·50	2·47	11·07	0·65	4·98	16·68	Buxar ...	Shahabad ...	SOUTH BEHAR.
...	...	...	0·01	0·23	0·16	0·63	0·01	...	...	...	9	15·38	4·34	11·25	0·65	9·20	17·07	Dehree.		
...	...	...	...	0·20	0·10	0·30	...	...	...	...	9	13·75	5·96	12·31	3·60	7·05	18·16	Bhuboosh.		
...	...	...	...	0·05	0·23	0·42	...	..	...	...	6	14·65	2·32	11·32	0·06	7·09	17·14	Sasseram.		
...	...	...	...	...	0·40	0·16	0·50	0·92	...	0·10	10	14·94	5·15	11·03	1·20	13·76	18·12	Arrah.		
...	...	...	...	...	...	...	...	...	0·10	...		?		?			?	*Mohaniah.*		
...	...	...	...	...	0·25	0·10	...	...	...	...	12	13·70	5·79	12·10	1·72	11·00	10·20	Aurungabad...	Gya	
...	...	0·03	...	0·24	0·03	0·02	0·01	0·04	0·08	0·02	10	15·65	7·40	12·86	2·08	14·94	20·36	Gya.		
...	...	...	1·46	0·17	0·06	...	0·35	0·09	1·30	0·26	15	13·60	11·57	11·71	3·32	21·32	18·50	Nowadah.		
...	...	...	1·02	0·48	0·02	...	0·59	0·01	0·29	0·03	12	13·35	12·42	12·24	3·00	18·10	18·56	Jehanabad.		
...	...	...	0·40	...	...	...	...	1·40	...	...	6	?	6·65	?	1·60	10·33	?	*Arwal.*		
...	...	...	...	0·40	0·10	...	...	...	...	...	9	?	2·85	?	0·50	5·55	?	*Daudnagar.*		
...	...	...	...	0·10	...	0·32	...	...	...	...	6	?	3·92	?	1·70	9·20	?	*Sheerghati.*		
...	...	...	0·75	0·48	0·11	...	...	...	...	0·70	13	?	11·06	?	2·00	22·60	?	*Rajauli.*		
...	...	...	0·17	...	...	...	...	...	0·33	...	9	?	8·22	?	2·10	14·62	?	*Pakri Barawan.*		
...	...	...	...	0·27	0·87	0·21	0·24	0·29	...	0·27	14	13·85	7·23	11·59	1·36	19·77	19·08	Patna ...	Patna.	
...	...	...	...	0·31	0·75	0·50	0·15	0·10	0·25	0·22	14	14·10	6·21	11·39	1·50	22·50	19·08	Dinapore.		
...	...	...	...	0·16	...	0·15	...	0·71	0·10	0·26	13	15·03	15·08	12·60	4·12	24·39	20·46	Behar.		
...	...	..	...	0·30	0·50	0·10	1·20	0·30	1·00	...	15	13·10	13·45	12·22	4·00	27·23	18·65	Burrh.		
...	...	...	...	0·14	...	0·28	0·12	0·20	...	...	10	?	5·07	?	1·85	16·34	?	*Bickram.*		
...	...	...	0·40	...	...	...	...	1·30	0·34	0·20	11	?	8·74	?	3·06	24·25	?	*Hilsa.*		
...	...	0·09	0·47	0·25	0·33	0·12	1·02	0·50	0·18	0·43	16	14·70	10·66	11·11	2·75	19·08	18·77	Begooserai ...	Monghyr.	
...	...	1·08	0·46	0·71	0·16	0·15	0·66	0·09	4·70	0·44	16	15·50	12·94	12·35	4·70	24·69	20·54	Monghyr.		
...	...	...	0·41	0·55	...	0·08	0·22	0·63	0·28	1·29	16	16·70	12·10	12·75	2·28	21·37	20·58	Jamui.		
...	...	0·40	...	0·97	1·67	...	1·27	...	3·42	...	5	?	11·59	?	3·42	29·13	?	*Gogri.*		
...	...	...	...	...	...	...	...	...	...	2·20	4	?	9·99	?	2·90	21·44	?	*Sheikpura.*		
...	...	0·37	0·13	4·64	0·11	0·07	0·22	0·34	1·29	0·05	16	15·40	18·15	11·16	4·64	29·19	20·46	Bhagulpore ...	South Bhagulpore.	
...	...	...	0·06	0·96	0·03	0·24	1·25	1·21	3·07	0·09	15	16·60	13·01	10·61	3·07	25·20	20·12	Banka.		
...	...	0·18	0·15	1·15	0·22	...	0·19	..	...	0·65	17	?	10·02	?	1·85	20·21	?	*Kolgong.*		
...	...	...	...	...	...	...	...	2·61	...	...	8	?	11·03	?	2·61	20·03	?	*Bongaon.*		
...	...	0·47	0·08	1·35	...	0·61	0·72	0·89	1·28	0·09	15	15·42	13·24	12·93	1·72	26·35	26·22	Rajmehal ...	Sonthal Pergunnahs.	
...	...	...	0·15	2·55	0·17	0·12	1·30	0·72	2·75	0·03	15	16·06	15·88	11·07	2·75	24·31	20·19	Godda.		
0·05	...	0·34	0·27	0·23	0·39	[illegible]	1·56	3·76	0·77	...	13	17·21	10·80	12·44	3·76	24·64	25·96	Pakour.		
0·39	...	0·16	0·35	0·10	0·57	0·40	0·27	0·03	2·65	0·15	15	18·50	11·27	13·44	2·65	22·40	24·44	Nya Doomka.		
0·18	...	0·04	...	0·30	0·62	0·55	0·14	0·85	1·79	0·85	18	18·20	12·62	13·63	2·15	19·93	23·79	Deoghur.		
...	...	0·21	0·07	0·52	0·29	0·12	...	...	4·36	0·17	15	18·00	16·57	13·65	4·36	31·36	24·20	Jamtara		
												?		?			?	*Mohagama.*		
...	...	...	0·24	0·15	0·18	0·42	...	0·85	2·02	...		?		?			?	*Nanihat*		
...	...	...	0·57	0·72	0·17	0·87	0·05	...	2·33	0·50	15	18·66	15·28	12·55	3·77	26·26	22·25	Pachamba ... (Giridi).	Hazaribagh ...	CHUTIA NAGPUR
...	...	...	0·59	0·74	0·54	1·57	0·09	...	0·05	...	16	18·70	11·16	12·99	2·23	19·85	21·61	Hazaribagh.		
...	...	0·25	0·90	...	2·28	0·15	...	...	...	...	12	18·92	9·42	12·81	2·67	15·47	21·00	Semtagurah.		
												18·17		12·30			21·39	Mahudi Hills.		
...	0·20	0·20	0·90	1·00	3·30	0·40	...	0·30	...	...	20	21·80	17·80	16·87	3·30	23·80	28·85	Jhoomrah Hills		
...	...	0·55	...	0·33	0·12	0·23	0·03	...	0·20	0·06	14	?	19·93	?	4·08	19·43	?	*Barhi.*		
...	...	...	0·34	0·80	0·18	1·00	0·06	...	...	...	12	?	9·04	?	2·60	11·84	?	*Chatra.*		
...	...	...	0·26	0·33	0·72	0·68	...	...	1·81	0·50	17	?	14·02	?	1·90	25·22	?	*Karagdeha.*		
...	...	...	2·75	1·23	0·70	...	...	...	...	...	9	?	11·63	?	2·75	10·18	?	*Ramghar*		
...	...	1·00	2·48	1·16	0·84	...	...	...	...	0·41	13	12·29	14·15	12·49	3·34	19·81	22·11	Lohardugga ...	Lohardugga.	
0·12	...	...	0·68	0·97	1·72	0·08	0·08	...	0·12	...	16	19·45	9·82	13·72	1·72	16·50	24·32	Ranchi.		
...	...	...	0·68	1·37	0·54	0·13	0·04	0·25	...	...	14	16·45	12·02	12·56	2·10	13·84	19·63	Palamow.		
0·30	...	0·50	...	0·30	1·10	1·70	...	1·38	0·10	...	16	?	15·83	?	2·90	22·08	?	*Silli.*		
...	...	0·04	0·44	...	1·50	0·12	...	...	...	0·18	13	?	11·60	?	4·54	14·94	?	*Balumat.*		
												?		?			?	*Hoseinabad.*		
...	...	...	0·27	0·24	0·28	0·84	...	...	...	...	12	?	7·25	?	1·97	7·79	?	*Garwah.*		
0·71	...	...	0·40	0·27	0·63	0·07	0·33	...	0·23	...	17	17·15	9·57	14·27	1·28	16·79	24·99	Chyebassa ...	Singbhoom.	
0·26	...	1·26	0·85	2·56	5·86	0·38	0·46	...	...	...	16	?	24·96	?	9·46	33·30	?	*Chakradharpore.*		
0·30	...	...	...	1·30	2·50	0·30	...	1·30	...	...	12	?	11·02	?	2·50	23·84	?	*Ghatsila.*		
0·32	...	...	...	0·59	0·50							?		?	6·35		?	*Baharagura.*		
0·03	...	...	0·21	1·20	0·65	0·72	0·14	...	0·00	...	16	17·40	15·58	12·22	3·84	28·08	22·81	Purulia ...	Manbhoom.	
...	...	0·06	0·25	1·60	0·64	0·42	0·02	...	1·61	0·26	20	17·65	14·45	11·92	2·26	20·76	20·55	Gobindpore.		
0·20	...	0·13	0·31	0·50	1·31	0·21	0·08	...	3·30	0·50	16	?	15·08	?	3·30	25·54	?	*Raghunathpore.*		
0·30	...	0·23	0·09	0·12	1·25	...	0·21	...	0·25	...	18	?	9·42	?	3·00	18·27	?	*Barrabhoom.*		
...	...	...	...	2·35	0·42	0·20	...	..	...	0·41	11	?	14·76	?	5·30	22·43	?	*Jhalda.*		
0·25	...	0·03	0·77	0·60	1·32	1·30	...	...	3·90	0·14	16	?	17·70	?	3·90	29·12	?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF JULY 1891.

The principal features in the meteorology of July have been—

1. Pressure has on the whole been in decided defect from the normal for a considerable portion of the month.

2. Temperature has been almost normal in all divisions of Bengal except South Behar, where a very distinct excess temperature has been registered.

3. The strength of the monsoon current blowing during the month, as judged by the wind velocities at the stations on and near the coast, has been decidedly above the normal of former years, and the direction of the winds appears for a considerable part of July to have been more strongly westerly than is usual, and the rain-bearing current has hence been deflected more towards Burma than is usual.

4. The number of barometric depressions or cyclonic storms forming in the Bay during July has been small. Only one depression of any importance formed at the head of the Bay on the 24th of the month and passed inland, and there was one cyclonic storm which was formed in the east of the Bay at the end of the month, but which did not reach land until August.

5. The average humidity has been practically normal during the month, while the average cloud proportion has, if anything, been rather larger than usual.

6. The average amount of rainfall in North Bengal was distinctly in excess of the normal. The falls in East Bengal, South-West Bengal, and Chutia Nagpur, were practically normal; and those in North and South Behar from 15 to 18 per cent. in defect of the normal, while in Orissa the falls were very decidedly deficient, and were only three-fourths of the usual amount.

Meteorology of the month.—Up till almost the close of June the meteorological conditions in Bengal and in the Bay were very abnormal, for the monsoon rains had not set in till the 27th to the 29th of June, or at least two weeks later than usual; but after that general rain had fallen in Bengal during the last two or three days of the month. The monsoon current, however, blowing over Bengal was feeble, and on the 1st of July conditions had again changed, and the monsoon current became strongly deflected towards Burma. The feeble cyclonic circulation of winds off the Arakan coast, which had existed so long in June, was again noticed on this day, and thus the monsoon current did not pass up to head of the Bay, and for the first three days of July rainfall was light and local in Orissa and in South-West and East Bengal. The slight whirl off the Arakan coast disappeared on the 3rd, and the monsoon current then advanced up the Bay over Bengal, and general rain was again received over the province from the 4th instant. From this date up to the 10th, the changes in the meteorological conditions do not call for any detailed remark. A strong monsoon current was blowing over Bengal from the Bay, but the direction of the current was rather more westerly than usual. Moderate to heavy rain was being received, particularly during the period from the 4th to the 8th or 9th, though rainfall became generally more local and rather lighter from the 9th to the 11th or 12th, while in East Bengal, Behar, and Chutia Nagpur the slight break continued up to the 15th.

On the 11th pressure became relatively low in the north-west angle of the Bay, and round this low pressure area a distinct cyclonic circulation of winds was set up, and the winds over the whole of Bengal formed part of this circulation. Hence winds which on the 10th had been westerly and south-westerly over the whole province, suddenly became easterly and south-easterly, but the amount of rain brought up by the change of conditions was small and the falls were very local. The depression over the north-west angle of the Bay continued to exist up till the 14th, when a rapid fall of pressure took place in the north of the province, which transferred the area of lowest pressure to Behar, when winds became more southerly generally over the province. On the 15th and 16th a rapid fall of pressure took place in the south-east of Bengal, and a distinct low pressure area was formed, represented by such stations as Dacca, Mymensing, Bogra, and Berhampur, and with this distribution of pressure westerly winds commenced to drive back the easterly winds which had previously been blowing, and with the interaction between the two wind systems thus set up, rather heavy rain commenced from this date. The low pressure area just referred to filled up on the 17th, and from the 18th the pressure distribution became more normal, though conditions were still favourable for general and rather heavy rainfall.

At this time ordinary monsoon weather prevailed in all districts, and light to moderate rain was general in all divisions except Orissa, where it was rather local. On the 19th and 20th pressure had fallen by moderate amounts, the fall being largest in parts of South-West Bengal and in Orissa, and a feeble low-pressure area was again formed over the north-west angle of the Bay with the lowest pressure at Saugor Island. Winds also showed a distinct tendency to circulate cyclonically round a centre near Saugor Island. Light rainfall only was reported on these days and was confined almost entirely to Orissa, South-West Bengal, and Chutia Nagpur. On the 21st pressure had risen moderately over the whole province, the increase being largest over the area previously occupied by the feeble depression in South-West Bengal, which, with its attendant feeble cyclonic circulation of winds, had practically disappeared on this day. Again on the 21st light showers only were reported in

parts of South-West, East and North Bengal, and in Chutia Nagpur, while the remainder of the province was practically rainless. On the 22nd pressure had fallen at Calcutta, Saugor Island, and a few other stations, while over the province generally pressure was rising, and the low-pressure area near the north-west angle of the Bay therefore on this day again reproduced itself, and winds as before commenced to show a tendency to cyclonic circulation round this area, though the wind force was light. On the 22nd moderate rain was reported in Assam and at some of the stations in North Bengal, while light and local rain had fallen in South Bengal, but elsewhere it was almost rainless. On the 23rd and 24th the feeble low-pressure area in South-West Bengal and over the north-west angle of the Bay became, if anything, a little more marked than it had been.. The feeble cyclonic circulation of winds continued, the centre of the circulation on the 24th being between Calcutta, Midnapore, and Saugor Island; but winds were still only light to moderate in force. General rain was reported from all districts except parts of Orissa and Behar, and conditions on the 24th appeared to be more favourable generally for rainfall. On the morning of the 25th very rapid meteorological changes were reported. The feeble depression over South-West Bengal and part of the north-west angle of the Bay developed suddenly and rather rapidly, and on the 25th a very definite and rather influential barometric depression had been produced, the centre of which was over the Sunderbuns to the east of Saugor Island. The fall of pressure at Saugor Island and Calcutta equalled about 0·13," and the very low pressure of 29·35" was reported from Saugor Island, which was no less than 0 172" below the normal. The cyclonic circulation of winds had become very complete, and the wind directions over the greater part of the province were included in this circulation, while wind velocities ran up very rapidly, and strong winds were reported on the morning of the 25th at many stations, while over the northern part of the Bay on this day very squally weather existed, and a gale of wind was blowing.

Immediately after this development, the small storm began to advance in a north-westerly direction, and on the morning of the 26th the storm was in the west of Chutia Nagpur; but as there are no meteorological observatories over that area, the precise position of its centre is doubtful On the 27th the centre of the storm was near Jubbulpur and Sutna, on the 28th it was near Jhansi, on the 29th it was to the west of Ajmere, and on the 30th the centre was apparently near Bikanir, but the storm was decidedly more feeble and was evidently filling up. During the whole of its ex stence the storm was accompanied by a strong cyclonic circulation of winds, and in its rear a heavy wave of moisture-laden monsoon winds spread over the whole of Northern India, and brought general rainfall to practically the whole of the Punjab and other parts of Northern India which had been up to that time almost rainless during the present monsoon season.

During the passage of the small storm through the south-western districts of Bengal, very heavy rain was received, and with the wave of monsoon winds which followed it, conditions remained favourable for rainfall up till the 30th, and from the 26th to the 30th rainfall was fairly general and of moderate amount in all districts. The alterations of meteorological conditions from day to day in Bengal during this period do not call for any detailed remark. From the 29th, however, the conditions in the Bay began to alter. A decidedly rapid fall of pressure took place at the central stations in the east of the Bay, the fall being largest (0·103") at Diamond Island; wind also became strongly westerly in Burma and east-south-easterly at Akyab, pointing to the possible commencement of a feeble cyclonic circulation of winds, but the winds were very light. On the 30th a further rapid fall of pressure took place at the eastern stations, and winds again showed a feeble tendency to cyclonic circulation over the east of the Bay, though winds were still light, and up to this date probably no storm had formed. On the 31st pressure continued to fall generally, winds again showed rather cyclonic directions, but the circulation was decidedly incomplete, though strong winds commenced to blow at Diamond Island and the Burma stations generally. The land observations on this day indicated that a distinct barometric depression had formed over the east of the Bay, but they did not show any very definite centre to this depression. It is probable, however, that a distinct cyclonic storm had formed to the north-west of Diamond Island on the 31st, but the land observations certainly did not show that it was of any great strength. This storm afterwards intensified considerably and moved first in a north-westerly, then in a westerly, and finally again in a north-westerly direction, and in its progress it skirted the Sunderbans and passed inland between Saugor Island and Balasore on the 3rd of August.

From the 30th, during the formation of the storm in the Bay, winds in the west and centre of Bengal began to show indraught towards the sea area, and became therefore northerly and north-westerly. Rainfall at once commenced to decrease in amount and area, a large part of the province became practically rainless, and elsewhere rain was usually light and local. For the 30th and 31st of July, therefore, little or no rain was reported in the province.

Strength of the monsoon.—As has been previously mentioned, the wind directions which have been recorded generally during the month have indicated that the monsoon current has contained an unusually strong westerly element in it, and hence the current has been deflected rather strongly towards Burma. Notwithstanding this, the strength of the monsoon current blowing from the Bay over Bengal this year appears to have been greater than usual. The strength of the current from year to year can at present only be judged by the wind velocities

at the coast stations. In the table below are given the means of the actual daily wind velocities for July 1890 and 1891, and also a comparison of the velocities recorded in the present year with the normal values for the same period for seven representative stations on and near the coast line from Akyab to Gopalpur. It will be seen that at all the stations except Chittagong the wind velocity during July has been decidedly in excess of the normal value. This fact would therefore point to the conclusion that the strength of the monsoon has been greater than usual. It is, however, to be remarked that in this method of measurement only one element of the strength of the monsoon current is taken into consideration, for it is clear that an equally important factor in the current will be its vertical depth, and this there is at present no means of measuring. Thus though the strength of the winds near the earth's surface may have been greater this year than usual, it is probable that the depth or thickness of the monsoon current has been smaller than usual :—

STATIONS.	Actual average wind velocity for July 1890.	Actual average wind velocity in July 1891.	Normal wind velocity in July.	Variation of wind velocity for July 1891 from the normal.
	Miles per day.	Miles per day.	Miles per day.	
Akyab ...	120	117	105	+ 12
Chittagong ...	149	140	162	— 22
Dacca ...	202	204	145	+ 59
Calcutta ...	102	144	130	+ 14
Saugor Island	502	450	406	+ 44
False Point ...	324	307	280	+ 27
Gopalpore ...	410	430	300	+130

Pressure.—Was at the commencement of the month decidedly below the normal for the period, and at some stations the defects even equalled a tenth of an inch. This defect continued during the second week of the month, the general mean pressure being more than a tenth of an inch in defect, and in the north of the province, defects of 0·16" and 0·18" were recorded at such stations as Dinagepore, Rungpore, Julpigoree, Sibsagar, and Dhubri. From about the 12th instant, however, a rapid increase of pressure set in, but this was again followed on the 14th and 15th by a fall, and for the week ending the 18th the mean pressure of the province was almost normal. In the fourth week a slight defect of about 0·02" to 0·03" became established, and in the last few days of the month pressure variations were large as on the 26th pressure fell rapidly with the advance of the small cyclonic storm over the province and in its rear pressure rose equally rapidly, while again at the close of the month pressure had commenced to fall with the formation of the second storm off the Pegu coast.

For the whole month the mean pressure of the province has been generally from 0·03" to 0·05" below the normal, and the defects are also fairly equally distributed. In Assam the mean defect was 0·053", the defect being largest at Silchar, where it equalled 0·063".

Temperature.—The variations of temperature during the month were of comparatively little importance, and as usual to a considerable extent followed the variations in the amounts of rainfall. The mean temperature for the month in Assam, East and South-West Bengal and Orissa was almost absolutely normal, the variation not exceeding a tenth of a degree. In North Bengal and North Behar temperature was a fifth of a degree below the normal, and in Chutia Nagpur 0·3° above it. The only division in which the variation has been large is South Behar, where an excess temperature of 1° has been registered. For the whole province the mean temperature for the month does not vary from the normal by as much as a tenth of a degree.

Rainfall.—The distribution of the rainfall throughout the month has been already referred to, and therefore the amounts compared with the normal have only to be stated. North Bengal has received an average fall of 16·45 inches, or nearly two and-a-half inches in excess of the normal, while all other divisions have received falls more or less in defect. In East Bengal the average fall has equalled 16·52 inches, or less than a tenth of an inch in defect, so that the fall has been almost absolutely normal. In Chutia Nagpur an average fall of 12·74 inches has been recorded, or considerably less than half an inch in defect, which equals only about 3 per cent. of the normal. In South-West Bengal an average fall of 11·22 inches has been registered, or about three-fourths of an inch in defect, or the deficiency has equalled about 6 per cent. of the normal. The falls in Behar have averaged from 10 to 10½ inches, which have shown a defect of roughly 2 inches, and thus the falls are from 15 per cent. in defect in South Behar to 18 per cent. in North Behar. The district receiving the smallest amount of rain has been Orissa, which has only received 9·29 inches, which is more than 3 inches in defect of the ordinary fall, and hence in this division the defect has equalled about 26 per cent. The variation in the number of rainy days has also to a great extent followed the variation in the amount of rainfall. Thus in North Bengal it has rained on more days than usual, and in all other districts the number of rainy days has been smaller than usual. As a general rule, rain has been received on from 17 to 18 days during the month in East Bengal, on about 16 days in

South-West and North Bengal, and Chutia Nagpur, on about thirteen days in Behar, and on twelve days in Orissa. In the case of Orissa, South Behar, and Chutia Nagpur, rain has fallen on from two or three days less than is usual in normal years.

The comparison of the actual rainfall of the seven meteorological divisions of the province with the normal is most accurately shown in the form of a percentage. The figures representing the rainfall for the month calculated in this way are included in the table below under the heading of July. This table gives a condensed summary of the rainfall statistics of the present year up to date for each division, the first seven columns giving the actual rainfall in each month expressed as a percentage of the normal, while the eighth column shows the actual rainfall for the first seven months expressed as a percentage of the normal for the same period. It will be seen that in July the rainfall has been fairly abundant in all divisions except Orissa and Behar. In Orissa, however, the deficiency in July followed a very much larger deficiency in June, and hence is probably more important than if it had occurred alone. In Behar the moderate deficiency of July has also followed a slight deficiency in June in North Behar, and a considerable deficiency in the same month in South Behar. The deficient rainfall in July therefore in South Behar is more important than in North Behar. Taking the rainfall of the year into consideration, it will be seen that all the divisions, except Orissa, have received falls equal to or above the normal, but that Orissa has received a defective fall of 18 per cent. :—

Metrorological Divisions.	January.	February.	March.	April.	May.	June.	July.	Actual rainfall of first seven months of 1891 expressed as a percentage of the normal fall for the period.
Orissa	11	167	424	36	131	28	74	82
South-West Bengal ...	53	193	308	50	170	61	94	105
East Bengal ...	2	311	98	130	151	71	100	104
North Bengal ...	78	377	239	77	140	63	117	100
North Behar ...	171	233	590	19	172	94	83	107
South Behar ...	253	159	734	30	165	88	85	109
Chutia Nagpur ...	163	91	506	30	148	47	97	100

The variations of the amount of rainfall over the province have as usual been very large, and thus in the extreme south-eastern districts falls of from 50 to 60 inches have been recorded, while in the west of Behar and part of Orissa and Chutia Nagpur falls of less than 5 inches have been received. The extreme variations are the heavy falls of 55·64 inches at Bundarbun (Chittagong Hill Tracts), 54·83 inches at Satkanya, 52·59 inches at Kutubdia, and 50·55 inches at Cox's Bazar,—all in the Chittagong district,—to the very small falls of 2·32 inches at Sasseram, 2·47 inches at Buxar, 2·85 inches at Daudnagar (Gya district), 3·50 inches at Pooree, and 1·25 inches at Satpara (Pooree district). There are as usual two areas of heavy rainfall, one in the south-east of the province and one in the hills in the north-east of Bengal, and from these rainfall diminishes towards the western and south-western districts. The area of heavy rainfall in the north-east of the province is, however, this year not so well marked as usual, owing to the unusually strong westerly direction of the monsoon current, by which a large part of the heavy rainfall has been carried to Lower Burma, Arakan, and the south-eastern parts of Bengal.

Compared with the normal, all the extreme western and south-western districts of the province are in considerable or moderate defect, and an area running along the hills and the hills themselves in North Bengal show very largely defective falls. Areas of considerable defect are also shown in the Midnapore, 24-Pergunnahs, and Howrah districts, in Moorshedabad and Sonthal Pergunnahs, in Bogra and Pubna, and over parts of the Tipperah and Dacca districts. Elsewhere the greater part of the eastern half of the province shows a slight excess rainfall, and in the south-eastern parts, as represented by the Chittagong and Chittagong Hill Tracts, at some stations falls of from 10 to 15 inches in excess of the normal have been registered.

The following table gives full data for the comparison of the actual and normal rainfall of the month of July in all districts of the province. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past fifteen years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage, and the fourth column gives the same informa-

tion in a slightly different form, expressing as a percentage how much the district rainfall varied in excess or in defect from the normal rainfall :—

Percentage Table for July 1891.

Division.	District.	Normal district rainfall for July.	Actual district rainfall for July 1891.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (—).
Orissa ...	Pooree	10·65	4·61	43	— 57
	Cuttack	12·20	10·78	88	— 12
	Balasore	12·20	11·27	92	— 8
South-West Bengal	Midnapore	13·76	9·53	69	— 31
	24-Pergunnahs	12·97	10 28	79	- 21
	Howrah	13·13	7·62	58	— 42
	Hooghly	12·71	10·56	83	— 17
	Burdwan	11·80	13·52	115	+ 15
	Bankoora	13·12	10·99	84	— 16
	Beerbhoom	12 85	10·59	82	— 18
	Nuddea	10·48	10·55	101	+ 1
	Khoolna	13 45	14·42	107	+ 7
	Jessore	10·55	11·42	108	+ 8
	Moorshedabad	11·00	10·09	92	— 8
East Bengal ...	Chittagong	28·52	40·87	143	+ 43
	Backergunge	18·78	17·65	94	— 6
	Noakholly	21·82	21·19	97	— 3
	Furreedpore	12·49	12·64	100	0
	Dacca	13·84	10·95	79	— 21
	Tipperah	15·27	12 00	79	— 21
	Mymensingh	13·55	12·30	91	— 9
North Bengal ...	Pubna	10·83	7·93	73	— 27
	Bogra	13·69	9·41	68	— 32
	Rajshahye	11·82	14·29	121	+ 21
	Maldah	11·60	11·87	103	+ 3
	Dinagepore	12·14	18·79	155	+ 55
	Rungpore	13·90	21·11	152	+ 52
	Cooch Behar	20·09	24·48	121	+ 21
	Julpigoree	25·66	18·84	73	— 27
	Darjeeling	30·07	27·11	90	— 10
North Behar ...	Purneah	15·47	12·24	71	— 29
	North Bhagulpore	11·61	7·24	62	— 38
	Durbhunga	11·60	11·37	98	— 2
	Mozufferpore	11·26	11·40	101	+ 1
	Chumparun	12·12	9·79	81	— 19
	Sarun	11·11	6·77	59	— 41
South Behar ...	Shahabad	11 97	4·01	34	— 66
	Gya	11·83	8·67	73	— 27
	Patna	12·12	11·95	99	— 1
	Monghyr	11·89	12·15	102	+ 2
	South Bhagulpore	10·91	15·21	139	+ 39
	Sonthal Pergunnahs	12·97	13·19	102	+ 2
Chutia Nagpur ...	Hazaribagh	13·40	9·40	70	— 30
	Lohardugga	12·94	13 13	102	+ 2
	Singbhoom	14·27	9·57	67	— 33
	Manbhoom	11·53	15·35	133	+ 33

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of July 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	96 4	72·6	87·2	78·0	83·1	—0·1	9·29	12·50	—3·21	12·00	14·92	—2·92	15·86	23·47
South-West Bengal	96·3	72·2	88·9	78·8	83·0	—0·1	11·22	12·00	—0·78	15·89	16·55	—0·66	24·46	24·78
East Bengal	92·2	66·8	86·5	78·1	82·3	0	16·52	16·60	—0·08	17·52	18·77	—1·25	38·73	38·99
North Bengal	95·1	74·2	88·7	78·6	83·7	—0·2	16·45	14·08	+2·37	16·44	15·57	+0·87	34·04	36·92
North Behar	96·3	70·7	90·1	78 6	84·4	—0·2	10·23	12·34	—2·11	13·25	13·73	—0·48	23·00	22·83
South Behar	101·4	73 5	91·3	79·5	85·4	+1·0	10·30	12·03	—1·73	13·13	15·33	—2·20	19·48	20·30
Chutia Nagpur	90·7*	69·4*	84·4*	73·4*	78·9*	+0·3*	12·74	13·16	—0·42	15·73	18·51	—2·78	20·40	22·76
Assam	96·6	74·3	89·2	78·2	83·7	—0·1								

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 18*th August* 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 9th to 15th August 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour pressure.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction	Wind. Miles recorded.	Rain.	Weather
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Aug.	9th	124·6	Nil	29·618	82·1	84·9	5 7	79·2	79·4	0·968	78·2	88	SW by S and SSW ..	123	0·03	Cloudy, o, g, d.
,,	10th	124·0	,,	·605	80·9	81·4	8·9	76·4	78·9	·962	78·1	91	S by E, SW and variable.	137	2·27	Cloudy, o, g, d, p.
,,	11th	142·5	,,	·522	79·6	83 2	6·9	76·3	77 9	·936	77·2	92	WSW ...	222	2·27	Cloudy, o, g, d, p, ●.
,,	12th	93 5	,,	·412	78·5	80 1	5·6	74 5	77·4	·927	76 9	95	WSW and WNW . .	178	2·61	Cloudy, o, g, d, p, ●.
,,	13th	143·2	0·9	·433	80·6	84·1	6 9	77 2	78 8	·963	78·1	92	WNW and SSE ...	139	0·10	Chiefly cloudy, o, d, p.
,,	14th	147·4	6·5	·601	80·9	85·4	9·2	76 2	77·1	·881	75·4	81	SSE and S . .	156	0·20	Partially cloudy, o, d, p.
,,	15th	148 1	6·8	·690	82·4	86·4	9·2	77·2	77 3	·870	75·0	79	SSE, SE, and S ...	158	Nil	Partially cloudy.

	Inches.
The mean pressure of the seven days	29·554
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·592
	Hours.
The total number of hours of bright sunshine	14·2
The maximum possible number of hours of sunshine	90·5
	°
The mean temperature of the seven days	80·7
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·2
The extreme variation of temperature	11·9
The maximum temperature	86·4
	Miles.
The highest velocity of the wind in one hour	17
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	89
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches.
The total fall of rain from 9th to 15th August 1891	7·48
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	3·69
The total fall from 1st January to 15th August 1891	34·77
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	41·69

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; ●, continued rain.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 17th August 1891.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·648	29·597	—	Wly	281	86·7	15th Aug.	72·6	13th Aug.	83·3	78·6	80·9	—	79·6
		Gopalpore	29·665	29·626	+·050	SSW	326	86·2	11th „	77·3	13th „	83·3	79·0	81·2	—2·2	80·5
		False Point	29·642	29·605	+·011	SW	326	88·5	11th „	73·1	13 & 14 „	83 5	76·1	79 8	—2·8	79·0
	Cuttack	Cuttack	29·584	29 607	+·009	SW	115*	80·4	10, 11 „	72·8	14th „	83·8	76 2	80 0	—3·0	79 8
	Balasore	Balasore	29 559	29 560	—·030	SW	214	87 4	10th „	73·8	12, 14 „	82·5	75·9	79·2	—3·4	77·8
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·589	29 558	—·039	SWly	603	85·2	10th „	76·5	12th „	81·4	78 4	80·4	—3·0	79 2
	Midnapore	Midnapore	29·455	29 550	—·054	S	274	89·3	10th „	74 1	12th „	84·9	76 0	80·4	—3·0	78·4
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29 576	29 542	—·051	Wly	158	85 6	15th „	74·7	12th „	83·6	76 7	80·2	—2·3	78 9
	Burdwan	Burdwan	29·496	29·541	—·049	Variable	119	89 1	11th „	76 9	15th „	87·1	78·2	82·6	—1·2	80·5
	Bankoora	Bankoora	29·276	29·525	—·049	SEly	98	88·[illegible]	10, 12 „	75·6	12, 13, 14 „	85 4	76·7	81·1	—1·8	78·8
	Beerbhoom, West Burdwan	Raneegunge	29·272	29·506	—·029	Variable	92	88·0	12th „	75·9	12, 14, 15 „	85·9	76·8	81·4	—2·3	79 4
	Moorshedabad	Berhampore	29 528	29·543	—·056	Variable	113	90·1	12th „	76 3	15th „	87 3	78 2	82·8	—0·6	79·9
	Nuddea	Krishnaghur	29 541	29·536	—·047	SEly	154	87·8	13th „	76·2	15th „	86·7	77 8	82·3	—1·1	80·8
	Jessore, Khoolna	Jessore	29·565	29 545	—·063	SEly, calm	94	85·2	10th „	76·4	13, 15 „	86·3	77·5	82·0	—1·5	80·7
East Bengal.	Chittagong	Chittagong	29·601	29 6[illegible]6	—·034	SEly	143	85 7	15th „	74·1	13th „	82 8	74·9	78·9	—1·0	78·8
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Burrisal	29·607	29 5[illegible]4	—·043	Sly	149	85·3	15th Aug.	69·9	12th „	84·2	75·5	79·8	—2·0	79·6
	Noakhally	Noakholly	29·611	29·601	—·044	SE	239	85·0	9th „	74·8	12th „	83·4	76·4	79·9	—1·0	70·0
	Furreedpore	Furreedpore	29·542	29·579	—·047	Calm & SE	125	87·0	10th „	75·4	15th „	85·6	77·2	81·4	—1·2	80·2
	Dacca	Dacca	29·607	29·576	·046	SE	220	88 1	12th „	76 7	13th „	85·7	77 8	81·8	—1·1	79·4
	Commillah	Commillah	29·627	29·510	—·032	S	127	86·4	9, 12 „	73·8	13th „	85 1	75 2	80·2	—1·3	78·6
	Mymensingh	Mymensingh	29 587	29 595	—·047	ESE	176	87·2	10, 12 „	78 1	13, 15 „	86·2	77·3	81 8	—0·4	79 4
North Bengal.	Bogra	Bogra	29·543	29·556	—·021	Ely	123	88·3	9, 10, 12 „	75·7	13th „	87·3	77·7	82·5	—0·7	80·2
	Pubna	Serajgunge	29·572	29·567	—·054	SEly	103	88 1	10th „	75 7	13, 15 „	86·6	77·4	82·0	—0 7	80·1
	Rajshahye	Rampore Beauleah.	29·529	29·518	·039	Sly	150	88·8	11, 12 „	76 6	13th „	86 9	78·1	82 5	—0·2	80·7
	Maldah	Maldah	?	?	?	Ely	86	91·7	12th „	76·5	14th „	88·5	78·5	83·5	—	82·0
	Dinagepore	Dinagepore	29·503	29 573	—·048	E & ESE	122	89·1	11, 12 „	76·7	13th „	88·2	78·2	83 2	—0·2	80·0
	Rungpore	Rungpore	29 516	29·592	—·021	ESE	94	90·8	12th „	76·7	10th „	88·9	77·6	83·3	+0·6	80·8
	Julpigoree, Cooch Behar	Julpigoree	29·350	29·585	—·018	?	98	91 4	12th „	75 1	13, 14 „	88 5	76·6	82 6	+1·4	81·6
	Darjeeling Hill Tracts	Darjeeling	22 893	—	—·005	NE & Calm	85	67·1	11th „	55 6	14th „	64·2	57·0	60 6	—0·4	60·6
North Behar.	Purneah, North Bhagulpore	Purneah	29·486	29·564	—·031	Variable	60	91·7	12, 13 „	75·2	15th „	89 1	76·9	83·0	—0·2	81·2
	Mozufferpore	Mozufferpore	29 404	29·5[illegible]5	—	ESE	177	91·3	12th „	77·2	15th „	87·9	78 6	83 2	—	79·9
	Durbhunga	Durbhunga	29·447	29 565	—·025	Ely	137	91·4	12th „	77·0	15th „	88·0	78·4	83 2	0	80·8
	Chumparun	Motihari	29 380	29 549	—·029	ENE	205	91·2	11, 12 „	74·9	13th „	88·2	77·6	83·0	—0·3	80·0
	Sarun	Chupra	29·406	29·539	—·017	Variable	167*	88·3	11, 13 „	72·7	14th „	86·8	77·3	82 1	—1·7	80·5
South Behar.	Shahabad	Dehree	29·229	29·543	—·030	SW	262	88·3	9th „	74·0	13, 14 „	84·7	76·0	80·4	—2·6	79·2
		Buxar	29·342	29·535	—·033	E	287	89·9	9th „	74 3	13th „	86·3	76·9	81·6	—2·3	80·3
		Arrah	29·386	29·525	—·027	Variable	64	89·4	11th „	75·1	13th „	86 8	77·5	82 2	—2·0	80·6
	Gya	Gya	29·215	29 542	—0·30	SWly	120	88·4	9th „	73 8	13, 14 „	85 6	76·1	80 9	—3·5	78·9
	Patna	Bankipore	29 403	29·537	—0·43	E	187	89 9	12th „	75 7	13th „	87·7	78·4	83 1	—1·1	81·1
	South Bhagulpore, Monghyr	Bhagulpore	29·426	29·538	—·037	Calm	75	90 7	12th „	77·0	15th „	87·7	77 8	82 8	—1·0	81·3
	Sonthal Pergunnahs	Doomka	29·105	29·548	—·032	Variable	107	88·6	11, 12 „	75·3	15th „	86·2	76·3*	81·4*	—1·3*	80·3
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·602	29·547	—·037	W	334	82 2	11th „	69·8	13th „	79·7	71·9	75·8	—2·6	74·0
	Lohardugga, Manbhoom	Ranchee	27·479	29·535	—·041	W	280	83·0	11th „	69·4	13th „	79·3	71·5	75·4	—2·0	74·5
	Singbhoom	Chyebassa	28·841	29·548	—·010	SW	60	88·4	10th „	73·7	13, 14 „	83·2	75·4	79·3	—3·4	77·1
Assam.	Sibsagar	Sibsagar	29 329	29·616	—·048	Variable		94·1	12th „	76·5	13, 15 „	88·7	77·9	83·3	+0·2	80·0
	Goalpara	Dhubri	29·529	29·597	—·028	SW	164	88·7	12th „	76·8	10th „	86·7	78·1	82·4	+0·8	80·1
	Cachar	Silchar	29·514	29·629	—·037	Calm		93·0	12th „	75·3	15th „	90·6	76·5	83 6	+1·2	79·8

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ... The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the *rainfall* in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 15th of August 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing stations.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Normal mean.	Variation.	Since 16th May 1891. Mean for district.	Normal mean.	Variation.	Of week. Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
89	9·6	1·38		2·63		5·85			20·18			3·60	Pooree ...	Pooree	Orissa.
86	6·0	1·38											Gopalpore ...		
89	9·9	4·53											False Point ...		
82	9·3	5·03		2·44		5·38			30·34			3·57	Cuttack ...	Cuttack	
97	7·1	9·61		2·90		5·80			31·08			3·58	Balasore ...	Balasore	
93	9·7	7·89	8·75	3·41	12·70	7·33	+5·37	40·42	35·67	+4·75	5·00	3·88	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
91	6·0	14·14	11·30	2·47	15·19	6·20	+8·99	39·70	32·11	+7·59	5·07	3·25	Midnapore ...	Midnapore	
94	9·7	7·71	5·93	3·24	8·62	6·79	+1·83	28·68	32·70	4·02	5·10	4·01	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
86	9·9	8·33	5·67	2·88	8·45	6·11	+2·34	34·98	28·99	+5·99	5·00	3·63	Burdwan ...	Burdwan	
94	8·9	6·54	6·94	2·30	10·89	6·15	+4·74	36·88	33·71	+3·17	5·50	3·88	Bankoora ...	Bankoora	
91	5·9	7·76	5·28	2·01	8·34	6·23	+2·11	32·64	32·66	−0·02	5·00	3·67	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
95	9·4	1·95	1·92	2·59	3·06	5·80	−2·74	30·21	30·06	+0·15	4·50	3·52	Berhampore ...	Moorshedabad ...	
90	8·7	3·02	3·97	3·13	5·52	6·37	0·85	30·31	30·29	+0·02	5·80	3·72	Krishnagur ...	Nuddea	
92	9·4	5·08	3·36	2·96	4·74	6·35	−1·61	31·75	33·90	−2·15	5·50	3·81	Jessore ...	Jessore ... ... Khoolna	
89	8·1	5·77	12·28	6·58	14·95	13·87	+1·08	72·87	80·54	−7·67	5·50	4·98	Chittagong ...	Chittagong	East Bengal.
			2·55	4·60	5·63	9·53	−3·90	51·51	54·12	−2·61	4·00	5·35	Demagiri ...	Chittagong Hill Tracts	
90	8·6	2·90	5·78	3·96	7·82	8·44	−0·62	42·04	50·55	−8·51	6·50	4·79	Barrisal ...	Backergunge	
91	5·1	7·16	5·62	5·57	7·79	13·79	−6·00	54·55	70·61	−16·06	5·50	5·33	Noakhally ...	Noakhally	
90	8·4	4·26	2·78	2·78	3·52	6·01	2·49	28·76	35·36	−6·60	5·33	3·84	Furreedpore ...	Furreedpore	
93	9·3	6·10	4·18	2·70	5·61	6·42	−0·81	39·11	38·82	+0·29	6·25	3·07	Dacca ...	Dacca	
88	6·0	2·73	3·15	4·19	4·42	8·54	−4·12	41·11	44·10	−2·99	4·75	4·40	Commillah ...	Commillah	
91	9·0	1·14		3·08		6·77			43·19			3·94	Mymensingh ...	Mymensingh	
90	8·7	2·06	2·26	2·72	2·84	5·80	−2·96	28·39	36·17	−7·78	4·00	3·59	Bogra ...	Bogra	North Bengal.
92	8·9	1·91	2·13	2·88	2·62	5·79	−3·17	26·60	31·56	−4·96	6·00	3·05	Serajgunge ...	Pubna	
90	6·6	1·21	2·86	2·31	3·42	5·12	−1·70	31·67	32·37	−0·70	4·00	3·70	Rampore Beauleah	Rajshahye	
90	7·1	1·52	1·32	2·44	2·19	5·36	−3·17	25·16	33·05	−7·89	3·50	3·43	Maldah ...	Maldah	
90	8·3	1·57	2·30	2·90	2·66	6·07	−3·41	34·08	36·47	−2·39	3·40	3·70	Dinagepore ...	Dinagepore	
88	3·1	1·04	1·37	2·86	1·53	6·17	−4·64	43·82	48·30	−4·48	2·25	3·33	Rungpore ...	Rungpore	
91	1·1	1·79	1·54	4·40	3·64	11·57	−7·93	52·18	72·49	−20·31	3·60	4·04	Julpigoree ...	Julpigoree ... ... Cooch Behar	
98	10·0	8·33	4·43	5·61	6·85	14·65	−7·80	55·63	86·25	−30·62	6·00	4·82	Darjeeling ...	Darjeeling Hill Tracts	
90	7·0	2·23	2·65	2·70	3·03	6·66	−3·63	27·28	35·53	−8·25	4·00	3·02	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
93	7·0	2·92	2·89	2·23	3·41	5·32	−1·91	28·81	26·35	+2·46	5·00	2·67	Mozufferpore ...	Mozufferpore	
91	8·0	11·70	7·05	2·39	7·37	5·31	+2·06	31·24	27·00	+4·24	5·00	3·00	Durbhunga ...	Durbhunga	
88	8·9	5·66	4·00	2·75	4·54	6·75	−2·21	27·24	28·60	−1·36	5·50	2·74	Motihari	Chumparun	
95	8·6	3·50	4·25	1·92	5·14	5·13	+0·01	23·71	25·64	−1·93	4·33	2·70	Chupra ...	Sarun	
88	9·1	7·39											Dehree ...		South Behar.
91	9·0	3·79	5·16	2·47	8·74	5·49	+3·25	17·15	24·46	−7·31	5·80	2·61	Buxar ...	Shahabad	
91	7·9	2·11											Arrah ...		
90	8·6	4·22	4·30	2·17	6·98	5·37	+1·61	23·25	26·03	−2·78	5·75	2·70	Gya ...	Gya	
88	10·0	3·06		2·05		4·98			25·73			2·50	Bankipore ...	Patna	
91	9·4	3·03	5·40	2·30	7·82	5·50	+2·32	31·70	26·68	+5·02	5·40	3·13	Bhagulpore ...	South Bhagulpore ... Monghyr	
88	7·4	7·90	4·06	2·71	5·67	6·08	−0·41	30·54	31·20	−0·66	5·17	3·73	Doomka ...	Sonthal Pergunnahs ..	
94	10·0	4·52		3·00		6·48			31·43			3·58	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
86	10·0	1·14	4·20	2·67 2·74	7·25	6·36 6·55	+0·70	31·69	30·31 30·03	+1·66	6·00	3·63 3·40	Ranchi ...	Lohardugga ... ... Manbhoom	
80	10·0	5·73	5·46	2·63	11·24	7·05	+4·19	28·03	33·91	−5·88	4·00	3·75	Chyebassa ...	Singbhoom	
94	9·4	3·64											Sibsagar	Assam	Assam.
88	7·4	1·91											Dhubri		
80	9·4	3·75											Silchar		

...years. The variations are *negative* when the mean or the week is less than the corresponding normal mean, and *positive* when greater.

...noting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means

...years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the subdivisional [illegible]

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 15th of August 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 9th August.	Monday, 10th July.	Tuesday, 11th August.	Wednesday, 12th August.	Thursday, 13th August.	Friday, 14th August.	Saturday, 15th August.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·08	... ...	......	0·15	1·04	0·18	......	3	1·45	1·84	7·14	4·26	15·36	25·05
		Khurdah ...	... .	0·22	0·11	0·29	1·79	0·16				2·07		6·17		31·67
		Banpur ...	... ..	... ..	......	0·05	1·49					2·70		6·45		36·03
		False Point ...	0·06	... ..	0·07	1·65	2·56	0·19	......	3	4·53	3·32	11·35	6·51	30·43	33·36
		Gop ...										?		?		?
		Satpara ...	0·12									?		?		?
		Pipli ..										?		?		?
	Cuttack	Jagatsingpore	......	.. .	0·26	0·43	1·71	0·07				2·42		5·08		26·22
		Banki ...	0·15	0·35	0·03	0·58	1·58	0·16				1·06		4·17		28·03
		Cuttack ...	......	0·65	0·01	2·25	2·00	0·38				2·53		5·74		34·53
		Kendrapara ...	0·01	0·06	0·05	1·77	2·08	0·61	0·06	3	4·64	2·56	12·06	5·10	26·45	30·56
		Jajpore ...	......	0·25	0·50	1·03	1·47	0·90	.. .	5	4·15	3·02	12·38	5·23	32·03	32·34
		Dharmsala ..	......	0·45	0·48	1·90	1·85					?		?		?
		Salipore ..	0·10	... ..	......	2·20						?		?		?
	Balasore ..	*Akhoyapada* ...	......	.. .	0·48	0·86	1·59	0·02	0·02	4	3·57	?		?		?
		Chandbali ...	0·65	0·15	0·30	1·20	1·51	0·25	... ..	6	4·06	2·79	11·05	5·54	23·90	29·71
		Bhuddruck ...	... ..	......	0·21	1·67	1·81	0·79	......	4	4·47	2·91	11·75	5·45	31·89	30·46
		Sorah ...	......	... ..	2·20	2·30	4·10	0·50	....	4	9·10	3·06	13·40	6·11	30·30	29·25
		Balasore ..	.....	... ..	0·33	4·13	4·87	0·84	......	4	10·17	2·90	13·40	6·53	32·36	33·26
		Jellasore ..										2·91		5·77		31·65
		Baripodah ...	1·30	0·67	2·47	6·45	0·32	0·07	0·08	5	11·36	3·09	15·33	5·36	35·84	32·02
SOUTH-WEST BENGAL.	Midnapore .	Contai ...	0·01	0·01	0·35	3·71	3·80	0·40	0·02	4	8·39	3·12	10·07	6·75	29·39	34·64
		Saugor Island	0·25	0·02	1·24	4·11	2·10	0·17	.. .	5	7·89	4·29	17·25	8·47	48·04	38·02
		Tumlook ...	0·90	0·20	0·50	3·10	4·80	0·37	0·07	6	9·94	2·04	14·09	5·86	40·79	30·78
		Midnapore ...	0·45	1·40	0·03	2·70	8·00	0·92	... ..	5	13·50	2·28	18·00	5·79	36·60	30·51
		Ghattal ...	0·66	1·04	2·52	1·72	3·00	2·05	0·01	6	10·45	3·14	13·49	7·23	41·71	35·03
		Kukrahaty ..	0·09	0·70	0·45	3·11	4·63	0·10	. ..	5	9·08	?	11·44	?	27·10	?
		Garbetta ...	0·85	0·14	0·20	2·12	3·80	0·75	. . ..	6	7·86	?	10·81	?	35·19	?
	24-Pergunnahs	Diamond Harbour ...	0·35	1·60	1·40	2·02	4·35	0·18	0·08	6	9·98	2·82	15·30	6·76	43·83	34·31
		Canning Town	0·30	1·81	1·10	1·87	0·74	0·08	... ..	5	5·90	?	9·12	?	27·95	?
		Alipore Jail ...	0·26	1·69	0·73	2·91	2·22	0·13	. ...	6	7·94	3·83	11·46	7·10	29·10	34·36
		Barrackpore...	0·38	1·03	0·90	2·40	1·34	... ..	......	5	6·34	3·27	7·52	6·71	28·40	33·91
		Dum-Dum ...	0·11	0·46	0·93	2·35	1·41	.....	......	5	5·26	3·04	7·31	6·87	22·66	32·48
		Baraset ...	1·15	0·71	1·75	1·73	1·62	0·11	... ..	6	7·07	3·03	9·37	6·14	31·74	29·94
		Busserhat ...	......	0·43	......	4·35	. ..	0·30	0·05	3	5·13	3·22	7·56	7·24	29·52	31·60
	Howrah	Howrah ...	0·25	0·35	0·72	2·51	2·06	0·05	.. . .	5	5·94	2·84	8·58	6·07	26·11	31·76
		Mohesreka (*Oolobersah*) ...	0·03	0·34	2·32	1·52	1·50	0·30	0·22	6	6·23	2·34	9·47	6·08	29·27	32·34
	Hooghly ..	Serampore ...	0·83	0·93	0·88	2·60	1·72	0·02	... .	5	6·98	3·12	8·98	6·08	27·00	32·51
		Hooghly ...	0·92	0·05	0·80	0·74	1·13	0·52	0·05	5	4·21	3·07	5·91	6·57	27·49	31·49
		Johanabad ...	0·68	......	0·30	1·74	0·96	0·56	......	5	4·24	4·03	9·81	8·46	33·81	34·63
	Burdwan ...	Culna ..	......	0·02	2·96	0·80	0·57	0·78	0·09	4	5·20	3·26	8·28	6·31	33·10	28·25
		Burdwan ...	0·57	0·01	1·61	5·25	0·35	0·49	0·05	5	8·33	2·84	11·37	6·48	30·02	29·50
		Cutwa ..	0·79	.. ..	1·04	0·15	0·90	0·45	0·16	6	3·49	2·55	5·72	5·55	32·76	29·25
		Raneegunge .	0·70	......	0·46	0·75	3·35	2·50	. . .	5	7·76	3·05	11·64	6·73	36·75	31·92
		Mankur ...	0·39	......	2·17	3·00	1·43	0·54	.. .	5	7·53	?	16·02	?	42·22	?
	Bankoora ..	Bankoora ...	0·53	0·05	1·32	0·41	2·62	1·57	0·04	5	6·54	2·94	11·01	6·97	34·04	32·05
		Bishenpore ...	1·19	.. ...	0·35	0·75	4·13	1·44	0·13	6	7·99	1·96	13·65	5·70	41·10	32·65
		Maliara ...	0·20	0·14	0·62	1·52	2·15	3·37	0·02	6	8·02	2·86	11·94	6·11	42·87	34·27
		Khatra ...	0·44	... .	......	0·92	2·82	0·85	0·18	5	5·21	2·35	6·94	5·81	28·60	34·94
		Indas ...	0·11	......	0·42	0·95	1·81	0·61	0·12	6	4·01	?	9·13	?	36·32	?
		Kotalpore ..	0·26	0·40	0·10	2·77	2·82	2·27	... ..	6	8·71	?	14·26	?	38·36	?
		Anda ...	1·00	2·70	0·23	3·00	4·60	0·12	... ..	6	11·65	?	16·18	?	26·22	?
		Gangajalghati	0·54	0·27	0·37	0·74	2·73	1·13	... ..	6	5·78	?	9·34	?	39·15	?
		Raipore ...	0·32	.. ..	0·15	0·54	5·95	0·38	0·47	6	8·41	?	9·87	?	41·39	?
		Sonamukhi .	0·55	......	1·98	1·00	2·37	1·83	......	5	7·73	?	12·47	?	40·48	?
	Beerbhoom	Bh. Soory ..	0·88	0·03	0·66	2·90	0·19	0·21	0·19	6	5·05	3·21	8·87	6·02	34·56	33·39
		Hetampore ...	0·77	0·11	1·75	1·67	1·01	0·89	0·03	6	6·21	2·57	8·55	5·77	32·83	34·87
		Rampore Haut	0·71	0·01	0·72	0·44	0·08	0·05	0·08	3	2·09	2·82	4·31	6·45	26·28	30·69
		Bolpore ...	0·54	. . .	2·18	3·45	0·65	0·42	......	5	7·24	?	14·03	?	37·92	?
		Murari ...	0·55	0·45	......	0·33	0·62	......	......	4	1·95	?	2·87	?	28·86	?
	Nuddea	Ranaghat ...	0·37	0·06	1·93	0·34	1·54	0·14	0·23	6	4·60	3·34	7·81	6·78	29·34	30·45
		Kishnaghur ...	0·29	.	1·04	0·72	0·06	0·33	0·58	5	3·02	3·05	3·75	6·10	32·05	28·05
		Chooadanga .	3·04	0·12	1·83	0·17	0·10	0·11	0·82	7	6·49	3·39	8·34	6·82	32·65	30·97
		Meherpore ...	1·22	.	1·58	0·19	0·05	0·30	0·30	5	3·55	2·87	5·09	6·21	32·65	29·47
		Kooshtea .	0·35	0·52	0·82	0·37	... ..	0·15	0·20	6	2·21	3·09	2·73	5·95	24·95	32·55
	Khoolna ..	Satkhira .	1·06	0·30	0·30	1·10	0·57	0·02	0·13	6	3·57	3·64	6·01	6·62	33·91	35·58
		Bagirhat ...	0·55	0·85	1·05	1·58	0·09	0·12	0·21	6	4·45	3·08	5·50	6·89	39·13	40·26
		Khoolna ...	0·18	0·51	0·55	1·73	0·19	... .	0·36	6	3·52	2·70	4·94	6·46	26·83	34·47
		Nakipur ...										?		?		?
		Rampal ..	0·30	0·20	1·72	1·35	......	......	......	4	3·57	?	6·77	?	20·68	?
	Jessore ...	Narail ...	.. .	0·12	0·66	0·38	0·25	0·03	0·58	5	2·02	2·60	2·97	6·20	27·62	30·29
		Jessore ...	0·08	. .	2·63	0·45	1·39	0·12	0·41	5	5·08	2·86	7·15	6·54	34·32	35·20
		Jhenidah ...	0·35	0·20	0·71	0·47	0·12	. ..	0·38	6	2·23	3·41	2·91	6·23	29·19	32·74
		Magoorah ...	0·07	0·24	0·42	0·05	0·17	0·07	0·33	4	1·35	2·64	2·38	5·64	31·96	31·90
		Bongong ...	0·95	0·15	1·35	1·15	0·55	......	0·20	6	4·35	2·70	6·05	6·19	31·02	30·60
	Moorshedabad	Kandi ...	0·55	... .	1·10	......	0·22	......	0·20	4	2·07	2·46	3·30	5·56	26·14	30·73
		Berhampore ...	0·70	0·03	0·35	0·10	0·59	0·13	......	5	1·95	2·50	3·44	6·10	27·95	30·08
		Lalbagh ...	0·33	0·06	0·12	0·21	0·66	0·22	......	5	1·60	3·01	2·79	6·54	30·53	28·78
		Azimgunge ...	0·18	0·75	0·10	0·25	0·50	0·02	0·05	5	1·83	2·62	2·85	6·43	26·14	50·56
		Jungipore ...	1·34	0·29	......	......	0·06	0·23	0·02	3	1·94	2·13	3·00	5·00	31·68	29·20
		Lalgola ...	0·85	0·25	0·50	0·30	......	0·05	0·15	5	2·10	2·70	2·95	5·15	34·69	31·05
		Akrigunj ...	1·06	1·24	......	. .	0·07	0·11	0·37	4	2·85	?	4·23	?	31·94	?
		Patkabari ...	......	2·60	......	0·35	0·15	......	......	3	3·10	?	4·15	?	31·70	?
EAST BENGAL	Chittagong	Cox's Bazar ...	3·15	5·40	4·31	3·60	0·90	0·63	......	6	17·98	7·41	21·18	10·63	85·62	96·06
		Chittagong ...	1·03	2·10	1·00	2·05	0·36	......	0·03	5	6·57	5·74	8·60	11·08	60·05	65·01
		Kutubdia ...	3·01	2·57								?		?		?
		Suckanya ...	3·05	1·70	1·15	2·60	0·52	0·06				?		?		?
	Chittagong Hill Tracts.	Rangamati ...	0·26	0·90	0·21	1·00	0·09	......	......	4	2·55	4·60	5·63	9·53	51·51	54·12
		Bundarban ...	0·37	0·33	0·45	0·91	......	......	......	4	2·06	?	3·58	?	85·01	?
	Backergunge	Patuakhally...	2·00	1·40	2·25	3·60	1·47	0·12	... .	6	10·84	4·39	12·06	8·80	48·17	58·60
		Perozepore .	3·18	0·10	0·54	1·58	0·70	0·14	0·39	7	6·63	3·74	9·41	8·19	45·97	44·60
		Burrisal ..	0·44	0·69	0·59	0·64	0·45	0·15	0·36	7	3·32	3·26	4·89	6·91	36·35	44·06
		Bhola ...	0·78	0·13	0·60	0·37	0·19	0·20	0·05	6	2·32	4·43	4·91	9·80	37·66	54·69

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 15th of August 1891—contd.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 9th August.	Monday, 10th August.	Tuesday, 11th August.	Wednesday, 12th August.	Thursday, 13th August.	Friday, 14th August.	Saturday, 15th August.	TOTAL. Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL —concld.		*Gournaddi* ..	1·26	1·22	1·57	0·46	0·18	0·15	0·05	6	1·91	?	7·90	?	33·19	?
		Bauphal ...	1·20	0·32	0·70	0·55	0·33	0·19	......	5	3·19	?	4·50	?	38·52	?
	Noakholly ...	Noakholly ...	2·84	0·33	2·79	0·25	0·32	0·49	0·06	6	7·08	5·65	9·06	13·29	56·47	70·12
		Fenny ...	1·93	1·00	0·35	0·45	0·42	..	....	5	4·15	5·40	5·60	14·29	52·05	71·05
		Harishpore ...	3·20	0·16	...	....	....	..	....			?		?		?
		Ramganj ...	2·80	0·38	2·13	0·85	0·43	0·24				?		?		?
	Furreedpore	Madaripore ...	0·50	0·45	0·65	0·27	0·06	0·28	....	5	2·21	2·80	3·18	6·54	28·14	34·68
		Furreedpore...	0·84	1·90	0·57	0·24	0·04	0·03	0·39	5	3·92	2·89	4·67	5·91	33·54	35·97
		Goalundo ...	0·75	0·14	0·60	0·02	0·14	0·14	0·43	6	2·22	2·64	2·71	5·58	25·13	33·13
	Dacca ...	Munshigunge	2·64	0·14	0·89	0·12	0·18	0·12		6		3·07		8·40		45·00
		Dacca ...	2·04	0·32	0·70	0·35	0·31	0·36	0·04	6	4·12	2·57	5·25	6·04	44·10	37·89
		Naraingunge	3·25	0·22	1·54	0·19	0·25	0·22	0·19	7	5·86	2·11	7·44	5·29	43·97	40·35
		Manickgunge	0·24	0·26	0·98	0·44	0·09	0·13	0·51	6	2·65	2·48	3·59	5·95	32·77	32·01
		Joydebpore ...	2·34	0·48	1·60	0·13	0·17	0·05	0·30	6	5·07	?	5·37	?	38·10	
	Hill Tipperah	Agartola ...	..	0·49	0·20	..	0·10		0·20	4	0·90	3·37	2·40	6·67	45·70	38·05
	Tipperah ...	Comilla ...	1·68	0·30	1·00	0·40	0·15	0·06	....	6	3·39	4·31	4·12	9·19	43·21	51·84
		Chandpore ...	1·70	0·75	3·70	0·10	0·22	0·45	0·35	7	7·22	5·81	9·41	11·49	38·63	48·67
		Brahmunberia	0·48	......	......	0·34	......	......	......	2	0·82	3·18	1·77	6·49	41·45	37·96
		Ramchandrapore ...	0·45	0·92	0·51	0·21	0·15					?		?		?
		Nasirnagar...	0·28									?		?		?
		Daudkandi ...	0·85	0·41	1·95	0·15	0·30					?		?		?
		Kasba ...	0·71	0·25	0·19	0·05	0·11	0·04	0·06	4	1·44	?	4·65	?	?	?
		Laksham ...										?		?		?
	Mymensingh..	Kishoregunge	0·64	.....	.....	0·20	0·09	.....	0·10	3	1·03	3·30	2·87	6·73	59·86	44·18
		Atia (*Tangail*)	0·27	0·24	0·62	0·14	0·21	......	0·07	5	1·55	2·64	1·98	6·15	31·51	31·10
		Mymensingh	0·28	0·45	0·21	0·08	0·11	...	0·06	4	1·19	3·72	2·11	6·92	38·75	46·54
		Jamalpore ...	0·30	1·63	1·70	0·21	0·03	0·06	...	4	3·93	2·85	5·25	6·26	40·89	38·34
		Netrokona ...	0·94	0·19	0·73	0·76	0·13	0·15	...	6	2·90	2·91	5·34	7·83	63·49	52·86
		Subornakhally	0·36	..	1·53	..	0·32	...	0·20	4	1·91	?	2·51	?	26·19	?
		Durgapore ...	.....	2·80	1·11	..	0·45	...	0·31	4	4·61	?	7·41	?	67·50	?
		Sherepore Town	.....	3·65	2·50	...	...	...	0·23	3	6·43	?	7·04	?	51·71	?
		Dewanganj ..	0·26									?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	0·30	0·16	0·12	0·05	0·27	0·17	0·07	7	2·34	3·21	3·05	6·03	22·34	31·00
		Seraigunge ...	0·26	......	1·07	0·04	0·18	0·13	0·25	5	1·91	2·54	2·17	5·54	30·[illegible]	31·9[illegible]
	Bogra ...	Sherepore ...	......	0·07	0·09	..	0·22	0·36	0·51	4	1·85	3·06	2·26	6·55	21·50	37·11
		Nowkhalia ...	0·37	0·23	0·07	0·18	0·04	0·02	0·18	4	1·09	2·38	1·39	5·66	31·26	34·23
		Bogra ...	0·12	0·60	0·04	...	0·29	...	1·10	4	2·56	3·11	2·43	5·69	28·70	38·78
		Panchbibi ...	0·15	3·52	0·04	......	0·19	...	0·14	4	4·04	2·33	1·67	5·28	32·11	34·51
	Rajshahye ...	Beauleah ...	0·49	0·02	0·02	...	...	0·01	0·29	2	0·31	3·13	1·00	3·80	31·82	31·10
		Nattore ...	2·90	0·30	....	...	0·22	0·47	0·95	5	4·84	2·54	5·54	5·46	38·10	31·97
		Naogaon ...	......	1·72	0·28	0·14	0·19	0·59	...	5	2·85	1·28	3·13	4·02	25·08	34·04
		Lalpore ...	.....	0·36	0·45	0·40	0·61	0·59	....	5	2·38	?	4·64	?	26·45	?
		Mando ...	0·60	....	.....	0·30	0·38	......	..	3	1·34	?	2·14	?	21·50	?
	Maldah ...	Maldah ...	0·30	0·22	..	0·03	0·05	0·14	0·18	4	1·52	1·92	2·35	4·47	27·61	30·51
		Chanchal ...	0·77	0·10		...	0·07	..	0·17	3	1·11	2·95	2·02	6·24	23·64	35·57
		Gajol ...	0·40	0·85		...	0·52	0·06	0·02	3	1·85	?	2·05	?	35·54	?
		Sibganj ...	0·60	0·54	1·65	...	0·24	0·12	0·11	6	3·26	?	3·84	?	35·52	?
	Dinagepore ...	Mohadebpore	0·70	1·65	....	......	0·29	0·07	0·17	4	2·88	3·31	3·23	6·69	22·02	35·33
		Churamon ...	0·11	0·25	0·51	.	..	....	0·24	4	1·11	2·45	1·51	4·78	33·32	32·02
		Raigunge ...	2·74	....	0·35	...	......	......	...	2	3·09	3·77	3·09	7·07	48·04	37·08
		Dinagepore ...	0·15	0·71	0·17	......	..	....	...	3	1·03	3·03	1·10	7·16	34·00	42·19
		Baloorghat ..	0·11	2·67	0·15	....	0·06	......	0·12	4	3·41	1·96	4·36	4·64	33·21	35·29
		Thakoorgaon	0·81	......	......	0·05	...	....	......	2	1·16	?	2·22	?	51·43	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	0·10	3·00		..	...	....	....	2	3·10	2·02	3·15	5·15	12·12	38·32
		Rungpore ...	0·63	0·20	....			...	0·13	3	0·96	3·02	0·57	6·31	45·81	43·69
		Kurigram ...	0·29	0·27	..	0·04	..	....	......	2	0·60	1·96	0·64	5·09	41·53	40·70
		Bagdogra (*Nilphamari*)	0·30	0·36	......	0·09	0·08	......	..	2	0·83	3·55	1·06	8·43	45·82	56·57
		Ulipore ...	0·12	0·41	....	...	......	....	...	2	0·53	?	0·53	?	42·82	
	Julpigoree ...	Julpigoree ...	0·05	0·32	0·04	...	0·53	0·02	0·42	3	1·38	5·28	1·83	12·94	39·32	73·45
		Alipore Dooar	......	......	...	......	0·50	......	...	1	0·50	?	2·12	?	54·93	?
		Fallacotta ...	......	1·61	...	1·10	0·85	..	...	3	3·56	?	5·87	?	41·45	?
		Debiganj ...	0·11	0·02	1·18	......	.	....	0·13	4	2·04	?	2·60	?	53·02	?
		Bhagatpore (Nagrakatta)	1·85	0·56	0·50	0·11	0·20	0·66	0·63	7	4·37	?	9·56	?	55·97	?
	Cooch Behar...	Dinhatta ...	0·71	0·42	0·20	.....	....	0·10	....	4	1·43	3·19	3·60	8·09	52·69	61·72
		Cooch Behar...	0·71	0·23	0·15	...	0·10	....	0·26	5	1·45	4·15	4·27	11·63	59·84	73·50
		Mekligunge...	0·12	0·39	0·05	....	1·74	...	0·46	4	2·76	4·66	1·80	12·27	52·19	70·23
		Matabhanga...	0·35	0·15	0·03	0·06	0·08	....	0·02	2	0·69	4·71	3·72	12·29	56·87	73·54
	Darjeeling Hill.	Buxa ...	1·07	0·28	0·31	0·48	0·58	0·84	0·66	7	4·22	10·59	6·04	24·04	74·18	131·57
		Silliguri ...	0·23	0·37	0·20	0·05	0·29	0·45	0·83	6	2·42	3·51	4·12	12·51	40·51	83·73
		Darjeeling ...	1·07	0·07	1·57	0·31	2·17	1·44	1·70	6	8·33	5·47	11·18	13·40	63·92	72·82
		Kalimpong ...	0·35	0·07	0·38	....	0·95	0·38	0·60	5	2·73	2·86	5·44	8·56	41·83	60·81
		Kurseong ...	2·00	0·27	2·30	0·42	2·30	1·16	2·60	7	11·05	?	15·37	?	75·76	?
NORTH BEHAR	Purneah ...	Kissengunge...	0·81	0·38	0·38	....	0·43	0·05	0·04	4	2·09	3·45	2·97	8·30	34·50	44·96
		Arrareah ...	0·35	0·85	0·19	....	0·40	....	1·03	5	2·82	2·49	5·16	6·71	31·60	33·08
		Purneah ...	0·75	0·04	0·93	....	0·07	0·02	0·41	3	2·22	2·74	2·24	7·05	25·28	36·07
		Goudwara ...	.....	0·15	......	0·16	0·12	0·10	0·25	5	0·78	?	0·90	?	?	?
		Balarampore	0·12	....	......	....	.....	....	......	1	0·12	?	0·12	?	19·05	?
		Matiari ...	.....	0·30		0·90						?		?		?
		Kaliaganj ...	0·50	0·79	0·30		0·45	0·25	0·06	5	2·20	?	3·89	?	30·36	?
	North Bhagulpore.	Maddapore ...	0·65	0·55	0·12	0·14	1·65	0·02	0·03	5	3·16	2·51	3·43	5·66	24·28	28·6[illegible]
		Soopool ..	0·58	......	......	0·62	1·77	......	......	3	2·97	2·81	3·47	5·58	19·91	28·86
		Protabganj ...	0·49	......	......	......	0·45	......	......	2	0·94	?	0·94	?	27·07	?
	Durbhunga ...	Tajpore ...	1·05	2·25	0·63	0·21	1·30	....	0·08	5	5·72	2·31	5·94	5·00	39·64	26·91
		Durbhunga ...	0·53	0·28	0·22	1·49	9·09	......	0·09	5	11·70	2·76	12·14	5·95	30·77	27·08
		Madhubani ...	......	0·61	1·03	1·08	0·71	......	0·29	5	3·72	2·00	4·03	4·91	23·32	26·48
		Bahera ...	0·47	0·22	0·35	0·48	1·11	....	......	5	2·63	?	2·94	?	24·89	?
		Roshera ...	0·27	0·95	0·35	1·60	0·25	......	......	5	3·42	?	3·89	?	14·80	?
	Mosufferpore	Sitamarhi ...	0·68	0·39	0·04	0·18	1·45	0·04	0·10	5	2·80	2·52	2·86	5·01	37·80	26·09
		Mosufferpore	0·02	1·00	0·14	0·50	1·18	0·07	0·13	6	3·04	2·05	4·27	5·03	26·01	26·79
		Hajipore ...	0·96	0·00	0·07	0·09	0·71	0·13	0·16	4	2·18	2·11	3·10	5·32	23·47	26·32
		Paru ...	......	......	1·00		1·57	0·21				?		?		?
		Mahua ...	0·67	......	4·65	4·17	......	......	......	3	9·49	?	11·10	?	35·30	?
		Siuhar ...	0·65	......	......		3·40					?		?		?
		Pupri ...	......	......	......	0·44	2·90	.....	......	2	3·34	?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 15th of August 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 9th August.	Monday, 10th August.	Tuesday, 11th August.	Wednesday, 12th August.	Thursday, 13th August.	Friday, 14th August.	Saturday, 15th August.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR —*concluded.*	Chumparun ...	Motihari ...	0·32	0·21	0·34	1·73	2·43	0·63	......	6	5·66	3·29	6·08	7·02	30·44	27·49
		Bettiah ...	0·16	0·23	......	0·50	1·30	0·14	......	5	2·33	2·20	2·98	6·46	24·01	20·64
		Bagaha ...	0·33	0·42	0·06	3·55	2·05	0·21	......	5	6·62	?	7·08	?	46·01	?
		Burhurwa ...	0·18	0·04	......	0·20	0·58	0·28	0·05	4	1·32	?	1·60	?	23·70	?
	Sarun ...	Gopalgunge ...	0·64	0·40	......	0·08	1·30	0·15	......	4	2·87	1·07	3·17	5·11	27·90	25·85
		Sewan	0·52	......	4·23	0·68	1·12	......	......	4	6·34	1·78	7·69	5·23	25·70	25·75
		Chuprah ..	1·17	0·58	......	0·57	0·55	0·85	0·03	5	3·55	2·32	4·57	5·07	17·50	25·32
SOUTH BEHAR	Shahabad	Buxar	0·61	0·34	0·08	0·16	1·34	0·51	0·80	6	3·79	1·42	5·04	4·79	10·02	22·45
		Dehree .	0·80	0·03	3·25	0·18	1·10	1·90	0·13	6	7·39	3·66	10·83	6·10	20·03	24·81
		Bhaboosah ...	0·20	0·34	4·00	1·00	0·16	2·50	0·05	6	8·21	2·47	14·86	5·41	21·91	25·43
		Sasseram ...	0·44	0·07	1·56	......	0·66	1·20	0·10	5	4·03	2·76	9·27	6·12	16·36	24·03
		Arrah ...	0·34	0·15	......	0·11	0·35	1·30	0·13	6	2·90	2·05	3·72	5·04	17·48	24·66
		Mohaniah .										?		?		?
	Gya	Aurungabad...	0·66	0·13	0·61	0·52	0·78	1·15	0·32	7	4·17	2·16	7·77	5·63	18·77	26·53
		Gya ...	1·57	0·78	0·38	0·18	0·48	0·79	0·04	6	4·22	2·13	7·74	5·07	21·78	26·84
		Nowadah ...	4·65	0·10	0·52	0·95	0·68	0·07	......	5	6·97	2·26	9·08	5·12	30·40	25·02
		Jehanabad ...	0·55	......	0·21	0·15	0·23	0·71	......	5	1·85	2·14	3·33	5·67	21·45	25·67
		Arwal .										?		?		?
		Daudnagar .	0·40	......	0·39	1·00	0·60	1·00	......	5	3·30	?	4·60	?	10·15	?
		Sherghatti ..	0·54	0·06	0·22	0·48	0·35					?		?		?
		Rajauli ..	0·73	1·07	0·50	1·20	0·55	0·60	......	6	4·65	?	7·00	?	29·82	?
		PakriBarawan	......	1·35	......	0·60	1·75	0·50	......	4	4·20	?	6·40	?	21·02	?
	Patna ..	Patna ...	1·71	......	......	0·08	0·66	0·13	0·18	4	3·06	2·15	3·62	5·07	23·30	26·28
		Dinapore .	0·90	......	......	0·20						2·21		5·34		25·57
		Behar ...	0·40	......	0·08	0·90	0·30	0·28	0·13	5	2·09	2·18	4·62	4·99	29·01	26·73
		Barrh ...	0·70	......	0·45	1·50	2·10	0·10	......	5	4·85	1·67	5·70	4·50	32·93	24·21
		Bickram ...	0·68	0·46	0·88	0·48	0·49	0·86	0·15	7	4·00	?	5·67	?	22·01	?
		Hilsa ..	0·75	0·30	......	0·20	1·10	......				?		?		?
	Monghyr ...	Begoosorai ...	1·21	0·48	0·37	1·34	0·92	0·06	0·47	6	4·85	2·07	6·65	5·07	25·73	24·67
		Monghyr ...	0·54	0·62	0·84	0·15	2·44	0·15	0·21	7	5·25	2·11	8·70	5·08	33·39	26·94
		Jamui ...	0·40	......	......	0·60	1·87	0·21	0·33	5	3·41	3·06	5·25	6·27	26·62	28·14
		Gogri ...	0·26	1·99	......	2·49	3·36	......	......	4	8·10	?	13·63	?	42·76	?
		Sheikpura ...	......	0·30	......	......	5·11	0·11	......	3	5·52	?	6·36	?	27·80	?
	South Bhagulpore	Bhagulpore ..	0·09	1·10	......	2·07	0·59	......	0·08	3	3·93	2·16	6·16	5·31	31·35	26·98
		Banka .	0·42	3·05	......	0·74	1·41	0·26	0·10	6	5·98	2·40	8·74	5·79	33·94	26·77
		Kolgong ...	0·52	3·42	......	......	0·46	0·32	0·26	5	4·98	?	5·23	?	25·44	?
		Banguon ...	......	0·87	......	......	3·27	......	......	2	4·14	?	4·14	?	24·27	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	0·58	......	0·20	0·14	......	3	0·92	1·84	1·43	4·12	27·78	31·06
		Godda ...	0·45	......	0·73	1·50	0·57	0·08	0·23	5	3·56	2·49	4·83	6·40	29·14	27·51
		Pakour ...	0·84	0·11	0·37	0·02	0·16	0·37	0·05	5	1·97	2·07	3·86	5·43	28·50	31·05
		Nya Doomka	0·14	0·07	1·06	3·50	2·36	0·21	0·56	6	7·90	3·39	10·33	7·02	32·70	35·08
		Deoghur .	0·15	0·24	1·13	0·45	0·09	0·90	0·11	6	3·07	2·56	4·40	6·33	24·42	31·48
		Jamtara ...	0·43	2·56	1·64	0·63	0·51	1·18	......	6	6·95	3·28	9·05	6·51	40·41	31·77
		Mohagama ..	0·90									?		?		?
		Nanmat ...	......	0·21	0·61	1·09	......	......	......	3	1·91	?	5·80	?	?	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*).	0·69	0·53	0·01	0·56	0·26	2·60	0·03	5	4·68	2·55	5·87	6·55	32·13	30·08
		Hazaribagh ...	0·37	1·23	......	0·56	0·23	2·01	0·12	6	4·52	2·55	10·39	6·44	20·84	30·26
		Semtagurah	0·52	0·80	......	0·15	0·12	0·94	0·25	6	2·75	2·47	7·55	5·30	23·02	28·56
		Mahudi Hills										3·24		6·42		29·45
		Jhoomra Hills										4·18		7·58		38·78
		Barhi ...	0·81	0·78	0·04	0·48	0·55	1·23	0·15	6	4·04	?	7·07	?	27·40	?
		Chatra ...	1·08	0·59	0·11	2·00	0·80	1·46	......	6	6·04	?	9·55	?	21·43	?
		Karagdeha ...	0·25	1·20	0·05	0·30	0·87	1·07	0·07	5	3·81	?	5·43	?	30·65	?
		Ramghur ..	......	......	......	0·50						?		?		?
	Lohardugga ...	Lohardugga...	......	0·10	0·22	0·10	3·24					3·75		7·22		31·58
		Ranchi ...	0·68	......	......	0·21	......	0·40	0·08	3	1·37	2·45	6·36	6·20	22·86	33·04
		Palamow ..	0·43	0·07	0·47	0·57						1·50		5·57		26·29
		Silli ...										?		?		?
		Balumat ...	0·42	0·11	1·20	0·43						?		?		?
		Hosseinabad	......	......	1·70							?		?		?
		Gurwah ...	2·98	......	......	0·92						?		?		?
	Singbhoom ...	Chyebassa ...	......	......	0·62	0·64	3·83	0·32	0·05	4	5·46	2·63	11·24	7·05	28·03	33·91
		Chakradharpore.												?		?
		Ghatsilla ...	0·95	1·00	0·30	2·55	4·80					?		?		?
		Baharagura		0·61	0·17	3·52	5·30					?		?		?
	Manbhoom ..	Purulia ...	1·50	......	0·10	0·37	0·75	0·25	0·23	6	3·20	2·63	6·84	6·23	34·02	31·27
		Gobindpore .	0·58	1·09	0·72	1·16	0·18	1·46	......	6	5·19	2·84	7·64	6·79	28·40	28·72
		Raghunathpore.	1·35	......	0·45	0·30	1·10	5·50	0·23	6	8·90		11·19	?	36·75	?
		Barrabhoom	......	......	0·40	0·57	5·30	0·05	0·30	4	6·62	?	12·29	?	30·56	?
		Jhalda ..	0·18	0·34	0·19	......	0·50	......	0·62	5	1·83	?	6·69	?	29·12	?
		Chas .	0·37	0·46	0·15	0·44	0·13	1·35	0·35	7	3·27	?	7·37	?	36·51	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 18*th August* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 15TH OF AUGUST 1891.

At the close of the previous week a feeble barometric depression had formed partly over the north-west angle of the Bay, and partly over South-West Bengal, the centre of the depression and of its attendant cyclonic circulation of winds being on the 7th a little to the south of Saugor Island. The small whirl on the 7th commenced to move in a north-westerly direction, and on the morning of the 8th, or the last day of the previous week, it was in the south of Chutia Nagpur. The depression continued its north-westerly advance, and on the 9th its centre was between Allahabad and Lucknow, on the 10th it was near Delhi, and on the 11th it had again advanced north-westward and had passed into the low-pressure area over the Indus valley. For the first half of the week therefore in Bengal conditions were favourable for rainfall. In the passage of the small storm through the south-western districts of the province very heavy rain fell, and with the advance of the storm in a north-westerly direction a heavy wave of moisture-laden monsoon winds swept over the province and over Northern India generally.

Conditions in Bengal, therefore, were of ordinary monsoon character up till the 11th, but on this date a strong westerly wind current swept over the western half of the province, while winds were still more or less easterly over the eastern half. Pressure also became relatively low over Central and South-East Bengal, and during the 11th a small storm was formed over this area, the centre of which on the 12th was close to Jessore or between that station and Calcutta. On the morning of the 13th the centre of the small storm had scarcely moved, and it was still between Calcutta, Jessore and Krishnagore, and was attended by a very complete cyclonic circulation of winds. The storm was also giving on this day particularly heavy rain, and Midnapore and Durbhunga, among other stations, each reported about 9 inches of rain. During the 13th the storm moved in an almost due westerly direction, and its centre on the 14th was to the west of Ranchee, while on the 15th, or the last day of the present week, the storm centre was between Allahabad and Lucknow, and it had thus moved in a north-westerly direction from the 14th to the 15th.

It will therefore be seen that during the second half of the week also conditions in Bengal were very favourable for rainfall, particularly in the south-eastern, southern, central, and western districts through which the storm passed, but that the conditions were not so favourable for rainfall over Northern Bengal and over Assam. Heavy rain considerably above the average for the period has therefore been received in Orissa, Chutia Nagpur, South-West Bengal and Behar, and to a smaller extent in East Bengal; but the rainfall in North Bengal, though considerable in quantity has been below the normal amount.

In the Bay generally during the week the monsoon current has been strong, and on one or two days the wind force has almost risen to a gale at Saugor Island.

Pressure.—On the 9th pressure rose very rapidly in the rear of the storm, an increase exceeding 0·15" being reported from some of the stations in South West Bengal. Over Bengal generally pressure also rose more slowly as the storm was advancing into the North-West Provinces. On the 10th pressure continued to rise in the western districts, though a fall had set in over the east of the province, which fall continued on the 11th, the fall being largest at the eastern and south-eastern stations. The fall continued again on the 12th, and it was very rapid in Central and South Bengal, where at Jessore, Krishnagore, and Furreedpore it equalled 0·13", and a well-defined barometric depression was formed at the centre of which the defect from the normal equalled about a quarter of an inch. On the 13th pressure continued to fall in Central and South-West Bengal and Orissa, while elsewhere it was rising, the increase exceeding a tenth of an inch in East and West Bengal. On the 14th with the westerly advance of the depression, pressure rose very rapidly in Bengal generally, the rise at Jessore being 0·189", and on the 15th the rise of pressure continued, the rise at the central and southern stations exceeding a tenth of an inch. It will thus be seen that the changes of pressure during the week have been unusually large and rapid, but that the changes have more or less neutralized each other.

The mean pressure for the week has been below the normal in all districts except Orissa, where a slight excess of about 0·02" has been registered. The general defect over the province has equalled about 0·03" to 0·04", but at the stations affected by the second small storm the defect equals 0·05" and 0·06". In Assam there has been a general defect of 0·026".

Temperature.—Owing to the heaviness of the rainfall the mean temperature for the week for the province has been 1·6° below the normal. The defects have been largest in Orissa, Chutia Nagpur, and South Behar, where they equal from 2° to 3°; while, on the other hand, in North Bengal, where the rainfall has been light, temperature has been normal. In Assam the mean temperature for the week has been 0·7° in excess of the normal.

Rainfall.—The falls during the week have been exceptionally heavy; thus on the 9th amounts of three inches and upwards were received at Chooadanga, Cox's Bazar, Satkanya, Kutubdia, Perozepore, Harrishpore, Naraingunge, Dewangunge (6·16 inches), and Nowadah. On the 10th falls of three inches and upwards were recorded at Cox's Bazar, Sherepore,

Panchbibi, Bhowanigunge, Banka, and Colgong. On the 11th falls exceeding three inches were received at Cox's Bazar, Chandpore, Mohua, Sewan, Dehree, and Bhubooah, while on the 12th these heavy falls became more numerous. On this day falls in excess of four inches were recorded at Balasore, Saugor Island, Bussirhat, Burdwan, and Mohua, while falls of from two to four inches were received at thirty other stations. On the 13th Durbhunga reported 9·09 inches, Midnapore 8 inches, Raipore 5·95 inches, Baharagura 5·30 inches, Barrabhoom 5·30 inches, and Sheikpura 5·10 inches, while falls of from two to five inches were reported from thirty-seven stations. On the 14th only about ten stations received falls exceeding two inches, and on the 15th only one station (Kurseong) received more than two inches. At some stations for the week, therefore, the falls have been particularly heavy; Cox's Bazar has thus received in the seven days 17·98 inches, Midnapore 13·50 inches, Durbhunga 11·70 inches, and several stations more than ten inches; while no less than 38 stations in the province have received more than seven inches in the week, or an average of more than one inch of rain a day.

The average rainfall in South-West Bengal has equalled nearly five and-a-half inches, or about twice the normal; the falls in Orissa, in South Behar, and Chutia Nagpur have averaged about four and-a-half inches, or about 70 per cent. in excess of the normal. In East Bengal the fall has also been about four and-a-half inches, or about 20 per cent. in excess, and in North Behar the fall has averaged four inches, or about 60 per cent. in excess. The only district receiving a defective fall has been North Bengal, which has only averaged two inches, or about two-thirds of the usual amount. In the case of North Bengal, however, though the rainfall has been very considerably in defect, the number of rainy days has been almost equal to the normal, while in all the other divisions the number of rainy days in the week has been largely in excess of the usual number.

In North Bengal the districts which have received the most largely defective rainfall are Maldah, Rungpore, and Julpigoree, but the other districts have received more normal falls. In the other divisions, though the falls have been usually rather largely in excess of the normal, the Moorshedabad and Chittagong Hill Tracts districts have received rather defective falls.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 15th of August 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	89·4	72·6	83·3	77·2	80·2	—3·1	4·41	2·70	+1·71	4·00	3·60	+0·40	10·06	5·08	25·06	30·32
South-West Bengal ...	90·1	74·1	85·5	77·4	81·5	—1·9	5·30	2·94	+2·36	5·22	3·76	+1·46	7·86	6·39	32·43	33·32
East Bengal	88·1	69·9	84·7	76·3	80·5	—1·1	4·65	3·84	+0·81	5·50	4·39	+1·11	6·21	8·41	41·33	49·01
North Bengal	91·7	75·1	87·8	77·7	82·8	0	2·00	3·06	—1·06	3·60	3·64	—0·04	2·78	6·93	37·19	44·39
North Behar	96·7	72·7	88·0	77·7	82·0	—0·6	3·92	2·41	+1·51	4·63	3·04	+1·59	4·39	5·88	27·41	29·48
South Behar	90·7	73·8	86·4	77·0	81·8	—2·0	4·42	2·39	+2·03	5·46	3·02	+2·44	6·69	5·55	20·11	27·08
Chutia Nagpur	83·0*	69·4*	79·5*	71·7*	75·6*	—2·6*	4·40	2·83	+1·57	5·30	3·58	+1·72	9·20	6·31	29·01	31·08
Assam	94·1	75·3	88·7	77·5	83·1	+0·7										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 18th August 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 9th to 15th August 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
August ...	9th ...	29·688	82·3	85·9	7·3	78·6	81·4	79·5	·978	78·5	91	0·18
,, ...	10th ...	·652	81·4	85·9	9·1	76·8	83·6	81·3	1·040	80·4	90	1·45
,, ...	11th ...	·583	80·9	84·9	8·1	76·8	79·6	79·0	·985	78·8	98	0·62
,, ...	12th ...	·463	80·0	85·4	10·8	74·6	79·6	78·5	·963	78·1	96	3·65
,, ...	13th ...	·439	80·4	86·1	11·5	74·6	84·6	81·5	1·036	80·3	87	2·36
,, ...	14th ...	·618	82·3	88·5	12·5	76·0	82·6	79·5	·968	78·3	87	0·06
,, ...	15th ...	·726	82·8	88·5	11·5	77·0	83·3	78·3	·903	76·1	79	0·01

	Inches.
The mean 10 A.M. pressure of the seven days	29·596
	°
The mean temperature of the seven days	81·4
The extreme variation of temperature	13·9
The maximum temperature	88·5
The mean 10 A.M. relative humidity of the seven days	90
	Inches.
The total fall of rain from 9th to 15th August 1891	8·33

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. Little,
For Meteorological Reporter to the Govt. of India.

Meteorological Office, India,
The 17*th August* 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 1st August 1891.

BIRTHS.

THE total births registered during the week ending with Saturday, the 1st August 1891, in twenty-seven principal towns of Bengal, amounted to 378, and correspond to an annual rate of 18·3 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 1·3 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years except 1890, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	21·3	23·5	19·2	19·0	15·2	19·6	18·3

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING— 11th July 1891.	18th July 1891.	25th July 1891.	1st August 1891.	TOWNS.	WEEKS ENDING— 11th July 1891.	18th July 1891.	25th July 1891.	1st August 1891.
Burdwan	22·9	10·8	16·8	16·8	Narainganj	20·7	16·0	29·0	24·8
Midnapore	15·5	15·5	23·2	6·2	Chittagong	7·0	16·4	9·4	11·7
Hughli and Chinsurah	23·0	31·2	27·0	32·8	Comillah	7·7	42·4	27·0	11·6
Serampore	25·5	27·5	15·7	25·5	Patna City	12·7	9·4	12·3	12·0
Utterpara	28·3	9·4	9·4	18·9	Gya	22·5	27·3	26·0	26·0
Howrah	18·3	17·2	14·0	16·6	Arrah	14·4	15·6	7·2	23·9
Bali	14·0	10·5	21·1	14·0	Mozufferpore	15·8	29·2	32·8	18·2
Krishnagar	9·5	7·0	13·2	9·5	Durbhanga	22·0	23·6	29·9	20·5
Ranaghat	6·0	6·0	12·0	...	Chupra	10·1	36·2	19·1	35·2
Santipore	12·3	19·3	17·5	14·0	Bhagulpore	22·9	14·5	33·5	14·5
Jessore	12·2	6·1	12·2	6·1	Monghyr	28·9	34·4	32·5	31·6
Rampore Beauleah	7·9	15·8	15·8	21·0	Purneah	10·4	10·4	10·4	13·9
Darjiling	29·6	22·2	44·5	37·0	Poori	29·4	25·2	25·2	25·2
Dacca	8·4	10·4	14·9	8·4					
					Total ...	17·0	19·3	20·3	18·3

It will be seen that last week the highest birth-rate was returned from Darjiling (37·) and the lowest from Jessore (6·1). No births were registered during the week in the Ranaghat town.

DEATHS.

The total deaths registered during the week under review amounted to 568, and correspond to an annual rate of 27·5 per 1,000 of the population. The rate of the week is ·1 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years except 1888 and 1890, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	27·9	30·9	22·4	28·8	19·0	27·6	27·5

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING— 11th July 1891.	18th July 1891.	25th July 1891.	1st August 1891.	TOWNS.	WEEKS ENDING— 11th July 1891.	18th July 1891.	25th July 1891.	1st August 1891.
Burdwan	33·0	21·4	9·2	19·8	Narainganj	29·0	8·3	16·6	8·3
Midnapore	18·6	13·9	15·5	13·9	Chittagong	18·8	16·4	21·1	11·7
Hughli and Chinsurah	21·3	23·0	32·8	23·0	Comillah	19·3	19·3	11·6	23·1
Serampore	27·5	41·2	29·4	37·3	Patna City	27·6	17·2	17·2	17·8
Utterpara	28·3	28·3	9·4	28·3	Gya	51·9	56·0	51·9	70·4
Howrah	9·7	18·0	18·9	14·0	Arrah	29·9	23·9	27·5	49·1
Bali	21·1	10·5	7·0	14·0	Mozufferpore	23·1	52·3	32·8	53·5
Krishnagar	13·2	1·9	20·8	11·4	Durbhanga	26·0	44·1	20·0	26·0
Ranaghat	...	...	6·0	6·0	Chupra	31·2	37·2	30·2	28·2
Santipore	...	1·7	7·0	6·8	Bhagulpore	41·0	32·0	48·8	32·0
Jessore	6·1	...	42·8	...	Monghyr	33·4	34·4	57·9	38·0
Rampore Beauleah	34·2	15·8	23·6	34·2	Purneah	13·9	17·3	20·8	8·5
Darjiling	140·8	66·7	74·1	89·0	Poori	35·7	35·7	21·0	23·1
Dacca	17·5	15·6	22·7	19·5					
					Total ...	27·0	26·4	27·7	27·5

According to the figures returned, the highest mortality occurred in the town of Darjiling (88·9) and the lowest in Purneah (3·5). No deaths were registered in the Jessore town.

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per mille.	*Fever.*	Ratio per mille.	*Dysentery and diarrhœa.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Arrah	... 33·5	Darjiling	... 37·0	Darjiling	... 37·0	Gya	... 28·0
Mozufferpore	... 31·6	Rampore Beauleah	28·9	Serampore	... 13·7	Chupra	... 16·1
Gya	... 16·4	Gya	... 23·2			Poori	... 10·5
Bhagulpore	... 10·7						
Monghyr	... 9·9						
Durbhanga	... 5·5						
Patna City	... 4·2						
Howrah	... 3·4						

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 6·4 from cholera, against 6·9 in the preceding week; ·1 from small-pox, against ·3; 9·2 from fever, against 9·5; 3·3 from dysentery and diarrhœa, against 2·5; ·3 from injury, against ·5; and 8·2 from other causes, against 8· in the preceding week.

The mortality of last week according to *Sex, Class* and *Age* was as follows :—

According to Sex.	Ratio per mille.	*According to Class.*	Ratio per mille.	*According to Age.*	Ratio per mille.
Males	26·5	Christians ...	7·5	Under 1 year	... 207·0
Females	28·6	Hindus ...	29·8	1 and under 5 years	... 64·7
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	92	Mahomedans ...	22·3	5 " 10 "	... 19·1
		Other classes ...	76·8	10 " 15 "	... 12·3
				15 " 20 "	... 14·0
				20 " 30 "	... 13·4
				30 " 40 "	... 14·1
				40 " 50 "	... 14·0
				50 " 60 "	... 31·1
				60 years and upwards	... 61·8

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

The 17*th August* 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 1st August 1891.

1	2	3			4			5			6	7						
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO— Disease.						
					Number of—			Ratio per 1,000 of Population per annum.				Deaths from—						
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*
Burdwan ...	Burdwan	18,063	16,017	34,080	8	3	*11*	12·2	4·6	*16·8*	266	...	...	7	3	...	3	*13*
Midnapore ...	Midnapore ...	16,927	16,633	33,560	3	1	*4*	4·6	1·5	*6·2*	300	...	...	3	4	...	2	*9*
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	10	10	*20*	16·4	16·4	*32·8*	100	...	..	8	1	...	5	*14*
Serampore ...	Serampore ...	13,559	12,937	26,496	5	8	*13*	9·8	15·7	*25·5*	62	...	...	7	7	...	5	*19*
	Utterpara	3,046	2,464	5,510	1	1	*2*	9·4	9·4	*18·9*	100	...	...	1	1	...	1	*3*
Howrah ...	Howrah	53,153	37,660	90,813	15	14	*29*	6·6	8·0	*16·6*	107	6	...	7	4	...	9	*26*
	Bali	7,836	6,979	14,815	2	2	*4*	7·0	7·0	*14·0*	100	...	...	3	1	...	...	*4*
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	2	3	*5*	3·8	5·7	*9·5*	66	...	...	1	...	1	4	*6*
	Ranaghat	4,028	4,655	8,683	...	...	...	...	...	...	...	...	...	1	...	...	...	*1*
	Santipore	13,708	15,979	29,687	6	2	*8*	10·5	3·5	*14·0*	300	1	...	3	...	...	1	*5*
Jessore ...	Jessore	4,830	3,665	8,495	...	1	*1*	...	6·1	*6·1*	No male birth.	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	5	3	*8*	13·1	7·9	*21·0*	166	...	...	11	...	1	1	*13*
Darjiling ...	Darjiling	4,579	2,439	7,018	3	2	*5*	22·2	14·8	*37·0*	150	...	1	5	5	...	1	*12*
Dacca ...	Dacca	42,782	37,379	80,161	5	8	*13*	3·2	5·2	*8·4*	62	...	...	9	4	2	15	*30*
	Narainganj ...	7,605	4,956	12,561	1	5	*6*	4·1	20·7	*24·8*	20	...	...	...	...	...	2	*2*
Chittagong ...	Chittagong ...	13,340	8,79[illegible]	22,130	2	3	*5*	4·7	7·0	*11·7*	66	...	...	2	2	...	1	*5*
Tipperah ...	Comillah	8,153	5,353	13,506	...	3	*3*	...	11·6	*11·6*	No male birth.	...	...	5	...	...	1	*6*
Patna	Patna City ...	78,762	81,475	160,237	27	10	*37*	8·8	3·2	*12·0*	270	13	...	17	7	...	18	*55*
Gya	Gya	38,290	37,831	76,121	21	17	*38*	14·3	11·6	*26·0*	123	24	2	34	2	...	41	*103*
Shahabad ...	Arrah	20,960	22,505	43,465	9	11	*20*	10·8	13·1	*23·9*	81	29	...	7	2	...	4	*41*
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	6	9	*15*	7·3	10·9	*18·2*	66	26	...	8	3	...	7	*44*
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	17	9	*26*	13·4	7·1	*20·5*	188	7	...	16	3	...	7	*33*
Sarun	Chupra	25,116	26,554	51,670	21	14	*35*	21·1	14·1	*35·2*	150	2	...	4	6	...	16	*28*
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	10	9	*19*	7·6	6·9	*14·5*	111	14	...	10	6	2	10	*42*
Monghyr ...	Monghyr	28,154	29,366	57,520	19	16	*35*	17·1	14·5	*31·6*	118	11	...	16	5	...	10	*42*
Purneah ...	Purneah	8,463	6,553	15,016	2	2	*4*	6·9	6·9	*13·9*	100	...	...	1	...	...	...	*1*
Poori ...	Poori	13,247	11,537	24,784	7	5	*12*	14·7	10·5	*25·2*	140	...	...	3	3	...	5	*11*
	Total ...	556,262	516,097	1,072,359	207	171	*378*	10·0	8·3	*18·3*	121	132	3	159	69	6	169	*568*

2	8							9	10		11		12
	MORTALITY ACCORDING TO— Disease.								Sex.				
	Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
NAMES OF MUNICIPALITIES.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan	...	...	10·6	4·6	...	4·6	*19·8*	9·2	5	8	14·4	26·0	55
Midnapore	...	...	4·6	6·2	...	3·1	*13·9*	15·5	8	1	24·6	3·1	793
Hughli and Chinsurah	...	...	13·1	1·6	...	8·2	*23·0*	32·8	13	1	42·6	3·3	1,291
Serampore	...	...	13·7	13·7	...	9·8	*37·3*	29·4	9	10	34·5	40·2	85
Utterpara	...	...	9·4	9·4	...	9·4	*28·3*	9·4	1	2	17·1	42·2	40
Howrah	3·4	...	4·0	2·3	...	5·2	*14·9*	18·9	14	12	13·7	16·6	82
Bali	...	...	10·5	3·5	...	...	*14·0*	7·0	2	2	13·3	14·9	89
Krishnagar	...	...	1·9	...	1·9	7·6	*11·4*	20·8	3	3	11·8	11·0	107
Ranaghat	...	...	6·0	...	...	...	*6·0*	6·0	...	1	...	11·2	No male death.
Santipore	1·7	...	5·3	...	...	1·7	*8·8*	7·0	...	5	...	16·3	Do.
Jessore	...	...	...	...	...	...	...	42·8	...	...	...	...	......
Rampore Beauleah	...	...	28·9	...	2·6	2·6	*34·2*	23·6	5	8	24·2	46·1	52
Darjiling	...	7·4	37·0	37·0	...	7·4	*88·9*	74·1	6	6	68·1	127·9	53
Dacca	...	...	5·8	2·6	1·3	9·7	*19·5*	22·7	18	12	21·9	16·7	131
Narainganj	...	...	...	...	...	8·3	*8·3*	16·6	1	1	6·8	10·5	65
Chittagong	...	...	4·7	4·7	...	2·3	*11·7*	21·1	3	2	11·7	11·8	99
Comillah	...	...	19·3	...	...	3·8	*23·1*	11·6	2	4	12·8	33·9	33
Patna City	4·2	...	5·5	2·3	...	5·8	*17·8*	17·2	28	27	18·5	17·2	107
Gya	16·4	1·4	23·2	1·4	...	28·0	*70·4*	51·9	46	57	62·5	78·3	80
Arrah	33·5	...	8·4	2·4	...	4·8	*49·1*	27·5	17	24	42·2	55·5	76
Mozufferpore	31·6	...	9·7	3·6	...	8·5	*53·5*	32·8	24	20	54·1	52·9	102
Durbhanga	5·5	...	12·6	2·4	...	5·5	*26·0*	29·9	17	16	26·2	25·7	102
Chupra	2·0	...	4·0	6·0	...	16·1	*28·2*	30·2	13	15	25·9	29·4	91
Bhagulpore	10·7	...	7·6	4·5	1·5	7·6	*32·0*	48·8	23	19	34·3	29·7	115
Monghyr	9·9	...	14·5	4·5	...	9·0	*38·0*	57·9	19	23	35·1	40·7	86
Purneah	...	...	3·5	...	...	...	*3·5*	20·8	1	...	6·1	...	No female death.
Poori	...	...	6·3	6·3	...	10·5	*23·1*	21·0	6	5	25·6	22·5	195
Total	6·4	·1	9·2	3·3	·3	8·2	*27·5*	27·7	284	284	26·5	28·6	92

		13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among—					Ratio per 1,000 of Population per annum.					Deaths.										Ratio per 1,000 of Population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	8	5	...	...	...	17·6	25·3	...	...	4	1	...	1	...	2	1	2	1	1	315·2	23·0	...	20·7	...	13·1	7·5	23·5	21·2	35·1
Midnapore ...	Midnapore ...	...	7	2	...	...	...	14·0	14·4	...	...	1	1	...	1	...	2	...	1	...	3	70·0	22·1	...	17·1	...	14·2	...	14·0	...	85·2
Hughli ...	Hughli and Chinsurah	...	13	1	...	...	...	26·7	8·4	...	...	...	3	...	1	2	1	...	4	1	2	...	70·3	...	21·0	41·4	8·4	...	49·9	26·0	59·2
Serampore ...	Serampore ...	...	18	1	...	...	...	37·1	55·4	...	...	5	3	...	2	...	3	2	...	...	4	366·2	86·4	...	46·8	...	29·0	20·9	...	...	149·5
	Utterpara	...	3	...	...	...	...	29·3	...	...	..	2	...	...	...	...	...	1	...	...	...	646·0	...	...	...	...	...	49·0	...	...	...
Howrah ...	Howrah	1	14	10	...	1	27·5	10·7	25·3	...	215·8	6	3	2	2	...	3	3	2	3	2	151·2	28·2	16·5	15·8	...	6·9	8·1	8·8	28·4	27·7
	Bali	...	4	...	...	...	...	15·5	...	...	...	...	...	1	...	1	...	...	...	...	2	...	...	48·8	...	39·0	...	...	...	...	142·1
Nuddea ...	Krishnagar ...	...	4	2	...	...	...	11·2	12·6	...	...	3	...	...	...	2	1	...	...	...	...	314·5	...	...	...	50·6	10·8	...	...	...	...
	Ranaghat	...	1	...	...	...	..	7·1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	71·8	...
	Santipore	...	4	1	...	...	...	10·0	5·8	...	...	1	...	...	...	...	...	...	...	2	2	61·5	...	...	...	...	...	...	...	45·2	53·0
Jessore ...	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah	...	6	7	...	...	...	31·5	37·1	...	...	3	2	2	1	...	...	1	1	2	1	384·2	73·3	50·0	28·9	...	...	14·4	21·2	83·8	54·0
Darjiling ...	Darjiling	...	12	...	...	...	...	135·8	...	...	...	...	5	2	...	...	2	1	...	1	1	...	404·4	177·8	...	...	52·0	36·3	...	213·1	307·7
Dacca	Dacca	...	10	11	...	...	...	24·5	14·5	...	...	4	5	3	1	1	4	4	1	3	4	109·6	35·3	15·7	6·5	7·1	13·6	17·8	6·2	32·9	37·3
	Naraingunj ...	...	1	1	...	...	...	8·2	8·4	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	159·5
Chittagong ...	Chittagong ...	...	1	4	...	...	...	9·0	13·6	...	...	3	1	...	...	...	...	...	...	1	...	277·1	26·4	...	...	...	...	...	...	47·9	...
Tipperah ...	Comillah	...	...	6	...	...	...	...	42·2	...	...	2	2	...	...	1	...	...	...	...	1	350·2	79·5	...	...	41·3	...	...	...	...	76·7
Patna	Patna City ...	...	39	16	...	...	...	17·0	20·3	...	...	8	16	4	4	1	5	4	4	5	4	96·5	57·0	12·4	14·4	4·7	9·0	8·9	11·0	18·4	15·1
Gya	Gya	...	85	18	...	...	...	73·6	58·2	...	...	21	22	5	3	3	10	10	4	10	15	610·1	180·0	37·2	23·2	29·8	35·3	40·8	21·3	79·1	151·5
Shahabad ...	Arrah	...	35	6	...	...	...	58·7	25·1	...	...	2	11	4	1	4	6	4	2	2	5	80·7	129·0	40·5	11·8	64·7	39·7	32·3	22·2	38·6	90·2
Mozufferpore ...	Mozufferpore ...	...	34	10	...	...	...	58·9	41·7	...	...	8	9	6	...	3	2	3	4	4	5	435·6	115·9	69·3	...	51·5	12·1	22·4	41·5	64·1	106·8
Durbhanga ...	Durbhanga ...	...	23	10	...	...	...	24·7	29·6	...	...	8	4	4	3	1	1	1	1	2	8	267·2	27·3	26·6	28·1	12·9	3·9	4·7	7·0	23·7	130·2
Sarun	Chupra	...	25	3	...	...	...	32·8	13·1	...	...	8	10	2	1	...	1	1	...	2	3	294·8	100·7	17·5	10·4	...	6·1	6·7	...	25·2	45·9
Bhagulpore ...	Bhagulpore ...	...	33	9	...	...	...	55·1	24·8	...	...	6	7	3	1	2	5	8	4	...	6	217·4	56·1	22·1	7·2	21·0	19·9	37·9	27·2	...	72·5
Monghyr ...	Monghyr	...	38	4	...	...	...	44·2	16·5	...	...	7	12	3	1	...	5	3	1	2	8	245·1	100·3	22·1	9·1	...	25·1	17·5	8·2	26·2	116·0
Purneah ...	Purneah	...	1	...	...	...	...	5·7	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	15·8	...	...	...	...
Poori ...	Poori	...	11	...	...	...	...	23·3	...	...	...	...	...	...	...	1	1	1	3	5	...	...	...	...	...	28·0	9·8	12·8	46·9	116·5	...
	TOTAL ...	1	439	127	...	1	7·5	29·8	22·3	...	76·8	102	117	41	23	22	55	48	34	47	79	207·0	64·7	19·1	12·3	14·0	13·4	14·1	14·0	31·1	61·8

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 17th August 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH, BENGAL.

Abstract Statement showing Tollage on Canals in Bengal classed as Minor Works and Navigation for the month of June 1891, *as compared with that of the corresponding month of the previous year.*

CANALS.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals	21,765	11	0	58,818	5	6	17,797	1	6	51,918	0	9
Tolly's Nullah ...	6,936	10	6	25,910	1	0	6,573	15	3	23,687	7	9
Total ...	28,702	5	6	84,728	6	6	24,371	0	9	75,605	8	6
Orissa Coast Canal ...	3,692	11	9	14,182	7	3	5,678	13	0	17,496	0	0
Nuddea Rivers ...	10,721	14	0	27,036	8	6	9,849	15	6	22,791	7	6
GRAND TOTAL ...	43,116	15	3	1,25,947	6	3	39,899	13	3	1,15,893	0	0

CALCUTTA,
The 18*th August* 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 15*th August* 1891, *as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 15TH AUGUST 1891.			WEEK ENDING SATURDAY, THE 16TH AUGUST 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	297	72,040	1,175	310	65,215	1,036
Jute	19	8,075	124	35	10,900	215
Firewood	89	43,625	637	120	55,675	857
Other articles	559	1,76,550	2,432	740	2,03,500	2,977
Total ...	964	3,00,290	4,368	1,205	3,35,290	5,085

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the week ended 8th August 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*237,496	*2,46,472 9 0	19,85,303 10	4,63,005 10 0	16,407 3 0	7,27,975 6 0	73,194½	84,112½	157,307½
Or per mile of railway	......	161 9 1	.....	304 13 2	10 13 0	477 3 3	......	......	.....
For previous 5 weeks of half-year	1,185,278	11,86,650 14 0	1,08,16,772 10	25,85,095 2 0	83,666 12 0	38,55,412 12 0	330,918½	461,165	792,083½
Total for 6 weeks ...	1,422,774	14,33,123 7 0	1,28,02,075 20	30,50,100 12 0	1,00,163 15 0	45,83,388 2 0	404,113	545,277½	949,390½
Comparison.									
Total for corresponding week of previous year	224,417	2,14 387 8 4	16,94,245 30	3,68,157 0 0	15,358 5 11	5,97,902 14 3	66,123	73,412	139,535
Per mile of railway corresponding week of previous year ...	......	140 8 7	......	241 5 4	10 1 1	391 15 0	......	......	......
Total to corresponding date of previous year	1,332,109½	13,16,514 0 3	1,02,37,232 0	22,67,566 5 0	92,865 1 2	30,76,945 6 5	373,420	439,621	813,041

* The increase in coaching traffic is partly due to a bathing festival and partly to general development of traffic.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 8th August 1891, on 57⅛ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,558	5,215 4 0	54,369 30	3,431 15 0	45 0 0	8,692 3 0	955	733	1,688
Or per mile of railway	185	91 2 10	950 30	60 0 0	0 12 7	151 15 5	......	......	......
For previous 5 weeks of half-year	46,865	23,113 11 0	3,01,344 10	17,861 1 0	243 0 0	41,217 12 0	4,561	3,419	7,980
Total for 6 weeks ...	57,423	28,328 15 0	3,55,714 0	21,293 0 0	288 0 0	49,909 15 0	5,516	4,152	9,668
Comparison.									
Total for corresponding week of previous year	8,300½	4,149 7 2	33,262 20	1,083 0 0	24 7 0	6,155 14 2	1,089	507	1,596
Per mile of railway corresponding week of previous year ...	145	72 8 8	581 20	34 10 5	0 6 10	107 9 11	......	......	......
Total to corresponding date of previous year	57,989	20,565 4 11	2,22,509 0	13,062 7 0	243 6 9	42,871 2 8	5,570	3,702	9,272

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 8th August 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,868	3,877 2 0	4,298 0	156 0 0	14 0 0	4,047 2 0	896	72	968
Or per mile of railway	......	174 4 1	......	7 0 2	0 10 1	181 14 4	......	......	......
For previous 5 weeks of half-year	92,721	22,227 2 0	23,676 0	820 14 0	58 0 0	23,106 0 0	4,193	317	4,510
Total for 6 weeks ...	108,589	26,104 4 0	27,974 0	976 14 0	72 0 0	27,153 2 0	5,089	389	5,478
Comparison.									
Total for corresponding week of previous year	15,182½	3,678 13 5	4,269 10	143 3 0	4 2 0	3,826 2 5	920	39	968
Per mile of railway corresponding week of previous year ...	......	165 5 5	......	6 7 0	0 3 0	171 15 5	......	......	......
Total to corresponding date of previous year	102,060	24,624 11 8	25,357 30	803 12 0	31 7 3	25,540 14 11	5,265	257	5,522

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for the week ended 8th August 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,630	10,159 8 0	26,026 30	5,139 2 0	3 8 0	15,335 10 0	6,647½	1,018½	8,666½
Or per mile of railway	......	63 11 5	......	31 11 6	0 3 9	94 10 8	......	......	......
For previous 5 weeks of half-year	72,017	47,804 11 0	1,84,212 20	33,070 7 8	315 0 0	81,190 2 3	30,773½	6,950	37,723½
Total for 6 weeks ...	86,647	57,964 3 0	2,10,239 10	38,208 9 3	353 0 0	96,525 12 3	37,421½	8,568½	45,989½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 8th August 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week... ...	179,879	67,990 0 0	5,04,523 0	1,13,990 0 0	11,610 0 0	1,93,590 0 0	26,000	31,876	57,876
Or per mile of railway	232	88 0 0	649 0	147 0 0	* 2 0 0	237 0 0	......	......	......
For previous 4 weeks of half-year	723,381	3,07,490 0 0	21,04,222 0	4,24,570 0 0	64,090 0 0	7,96,150 0 0	117,600	127,820	245,420
Total for 5 weeks ...	903,260	3,75,480 0 0	26,08,745 0	5,38,500 0 0	75,700 0 0	9,89,740 0 0	143,600	159,696	303,296
Comparison.									
Total for corresponding week of previous year	162,437	58,872 0 0	5,53,257 0	1,32,535 0 0	12,489 0 0	2,03,896 0 0	24,762	29,397	54,159
Per mile of railway corresponding period of previous year ..	213	77 0 0	725 0	174 0 0	* 3 0 0	254 0 0	......	......	......
Total to corresponding date of previous year	817,459	3,42,708 0 0	29,34,681 0	6,22,791 0 0	91,222 0 0	10,56,721 0 0	141,787	165,758	307,545

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 8th August 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	32,532	9,170 0 0	26,480 0	1,920 0 0	50 0 0	11,140 0 0	4,000	1,672	5,672
Or per mile of railway	260	73 0 0	212 0	15 0 0	1 0 0	89 0 0	......	......	......
For previous 5 weeks of half-year	123,010	44,810 0 0	1,62,227 0	11,900 0 0	340 0 0	57,050 0 0	17,353	8,985	26,338
Total for 6 weeks ...	155,542	53,980 0 0	1,88,707 0	13,820 0 0	390 0 0	68,190 0 0	21,353	10,657	32,010
Comparison.									
Total for corresponding 12 days of previous year	28,202	8,262 0 0	42,898 0	3,272 0 0	596 0 0	12,130 0 0	3,877	1,963	5,840
Per mile of railway corresponding period of previous year ...	226	66 0 0	343 0	26 0 0	5 0 0	97 0 0	......	......	......
Total to corresponding date of previous year	160,247	50,099 0 0	2,17,580 0	13,072 0 0	1,623 0 0	65,994 0 0	21,522	11,143	32,665

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 8th August 1891, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	16,353	4,700 0 0	10,757 0	800 0 0	190 0 0	5,690 0 0	2,887	847	3,734
Or per mile of railway	190	55 0 0	125 0	9 0 0	2 0 0	66 0 0	......	......	......
For previous 5 weeks of half-year	72,956	22,080 0 0	30,440 0	2,590 0 0	780 0 0	25,450 0 0	11,713	3,249	14,962
Total for 6 weeks ...	89,309	26,780 0 0	41,197 0	3,390 0 0	970 0 0	31,140 0 0	14,600	4,096	18,696
Comparison.									
Total for corresponding week of previous year	16,725	5,369 0 0	10,113 0	1,181 0 0	310 0 0	6,860 0 0	2,444	690	3,134
Per mile of railway corresponding period of previous year	194	62 0 0	118 0	14 0 0	4 0 0	80 0 0	......	......	......
Total to corresponding date of previous year	84,712	26,568 0 0	67,715 0	5,747 0 0	2,997 0 0	35,312 0 0	13,859	4,141	18,000

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 8th August 1891, *on* 27¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,979	1,160 0 0	8,609 0	480 0 0	30 0 0	1,670 0 0	573	517	1,090
Or per mile of railway	169	43 0 0	316 0	17 0 0	1 0 0	61 0 0	......	......	......
For previous 5 weeks of half-year	15,035	5,490 0 0	44,013 0	2,400 0 0	90 0 0	7,980 0 0	2,485	2,503	4,988
Total for 6 weeks ...	18,014	6,650 0 0	52,622 0	2,880 0 0	120 0 0	9,650 0 0	3,058	3,020	6,078
Comparison.									
Total for corresponding week of previous year	2,941	979 0 0	7,342 0	375 0 0	18 0 0	1,372 0 0	516	489	1,035
Per mile of railway corresponding period of previous year ...	108	36 0 0	269 0	14 0 0	......	50 0 0	......	......	......
Total to corresponding date of previous year	18,836	6,909 0 0	67,845 0	3,650 0 0	115 0 0	10,683 0 0	3,121	3,255	6,376

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 1st August 1891, *on* 721* *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	87,950	36,210	3,15,530	37,800	7,920	81,930	10,044	15,491	25,535
Or per mile of railway	121·98	50·22	437·63	52·43	10·98	113·63	......	......	......
For previous 3¼ weeks of half-year	318,680	1,32,210	14,59,070	1,77,350	32,030	3,41,590	33,261	64,361	97,622
Total for 4¼ weeks ...	406,630	1,68,420	17,74,600	2,15,150	39,950	4,23,520	43,305	79,852	123,117
Comparison.									
Total for corresponding week of previous year on 691 miles open	*a* 75,056	25,859	*a* 1,93,930	19,698	6,631	52,188	11,556	11,020	22,576
Per mile of corresponding week of previous year	108·62	37·42	280·65	28·51	9·60	75·53	......	......	......
Total to corresponding date of previous year	*a* 349,714	1,24,732	*a* 11,63,328	1,20,694	31,565	2,85,991	51,657	58,195	109,852

* 9 miles from Righa to Bairagnia opened for goods traffic from 1st July 1891.
a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 1st August 1891.	Week ending 2nd August 1890.	Week ending 1st August 1891.	Week ending 2nd August 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	17,040 0 0	15,344 0 0	19,170 0 0	10,515 0 0
Goods	19,320 0 0	10,725 0 0	18,480 0 0	8,973 0 0
Other earnings	4,570 0 0	4,260 0 0	3,350 0 0	2,371 0 0
Total ...	40,930 0 0	30,329 0 0	41,000 0 0	21,859 0 0

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CONTENTS.

Abstract of the Proceedings of the Council of the Lieutenant-Governor of Bengal, assembled for the purpose of making Laws and Regulations under the provisions of the Act of Parliament 24 and 25 Vic., Cap. 67.

THE Council met at the Council Chamber on Wednesday, the 5th August, 1891.

Present:

The HON'BLE SIR CHARLES ALFRED ELLIOTT, K.C.S.I., Lieutenant-Governor of Bengal, *presiding*.
The HON'BLE SIR ALFRED CROFT, K.C.I.E.
The HON'BLE DR. MAHENDRA LAL SIRCAR, C.I.E.
The HON'BLE SHAHZADA MAHOMMED FURROKH SHAH.
The HON'BLE DR. RASH BEHARI GHOSE.
The HON'BLE A. H. WALLIS.
The HON'BLE MAHARAJAH SIR HARENDRA KISHORE SING BAHADUR, K.C.I.E.

HACKNEY-CARRIAGES AND PALANQUINS ACTS, 1866 AND 1878, AMENDMENT BILL.

The HON'BLE THE PRESIDENT said:—"We have met at an extraordinary meeting of the Council in order to effect the passing of the Hackney-carriage Bill. The object of calling an extraordinary meeting of the Council to-day

has been that, if we can pass the Bill to-day and obtain the sanction of the Government of India to it, there will be plenty of time before the commencement of the Act to enable all persons concerned in the hackney-carriage trade to make their arrangements to meet the provisions of the amended Act before the date when it comes into force, namely, the 1st October. It seemed to me that, if the passing of this Bill was put off till the end of August, and if there should be any delay in correspondence with the Government of India, the time might have run so close that the proprietors of hackney-carriages and other persons interested in the provisions of this Bill might easily have complained that sufficient opportunity had not been given them to consider and make arrangements to meet the changes which have been introduced. Since the Select Committee sat and made several amendments in the Bill, the Municipal Commissioners have held a meeting and have proposed some further slight amendments. Many of these seem to me to be desirable and certainly worthy of our consideration. Bearing in mind that it was originally at the request of the Commissioners that this amendment of the law has been undertaken, I think we should not be acting with sufficient respect and courtesy to the Commissioners if we declined to take full notice of the amendments which they have proposed, even though they had been submitted at so late a date; and I think that no injury will be done and the danger of precipitate legislation will be avoided if we take these amendments into consideration upon the present occasion. I therefore desire to announce that the standing rules of the Council will be suspended in order to take the amendments into consideration, and I declare the Council rules suspended."

The HON'BLE MR. WALLIS presented the Report of the Select Committee on the Bill to consolidate and amend the law relating to Hackney-carriages and Palanquins in Calcutta.

He said:—"It will be remembered that this Bill was originally placed in charge of the Hon'ble Mr. Cotton, but on his departure for England the Hon'ble the President was pleased to transfer its conduct to my hands. My hon'ble colleague, in moving for leave to introduce this Bill, dwelt at some length on the history of legislation in Calcutta relating to hackney-carriages, and explained on what grounds it had become necessary to alter the existing law. The chief reasons put forward were the very unsatisfactory working of the Hackney-carriage Department, the extreme inefficiency of the *ticca* gharries in the city, and the disreputable state in which they are permitted to ply for hire. The Municipal Commissioners had given special attention to the subject, and in October of last year appointed a Committee to enquire into the working of the Department, and to suggest such alterations and amendments in the Act which, in their opinion, would be likely to lead to a more satisfactory state of affairs.

"The report submitted recommended that legislation should be resorted to, and that greater powers should be given to the Commissioners in order to enable them to carry out the necessary improvements in the hackney-carriage service. The draft Bill, together with the opinions expressed by the several Associations and officials, have been very carefully considered by the Select Committee, and the changes and alterations made have been embodied in the Committee's Report which has been in the hands of hon'ble members for some time past. It will not be necessary, Sir, for me to take up much of your time, as the Hon'ble Mr. Cotton in his introductory speech explained to a very great extent the proposed changes in the law; but there are a few points to which I must allude, and others to which, perhaps, it would be as well to refer again. One of the most material changes proposed by the Select Committee is in section 60 of the Bill, which provides for the employment and final distribution of the fees and fines levied under the Act. The Committee regret that they were unable to agree with the proposal made by the Hon'ble Mr. Cotton to omit from the Bill the provision that all penalties and fees should be disposed of in such manner as the Government of Bengal shall direct. The effect of such omission would be that only the fees could be credited to the Corporation, that is to say, all fees payable on registration of carriages, the fees payable on drivers' licenses, as well as any fees which shall be levied under the Act on account of transfer of registration or on copies furnished, but all penalties and fines

imposed in a Magistrate's Court would be credited to Government. Such a course would not justify the division of the fees between the municipalities concerned, and as it is intended that the municipalities are to have both administrative and financial responsibilities, this section provides that all fees and fines shall first be credited to a fund to be called the 'Hackney-carriage Fund,' which is to be employed in carrying out the purposes of the Act, and in the event of one or more municipalities being included in Calcutta by virtue of a notification published under section 4, then such fund shall yearly be divided between the Calcutta and such other municipality or municipalities as the Local Government may determine.

"In this connection, in section 15, clause (*4*), the Select Committee by an oversight omitted to alter the words 'shall be forfeited to Government' to 'shall be credited to the Hackney-carriage Fund,' and I now ask that the alteration may be permitted.

"The section in the draft Bill which was numbered 60 did not appear to the Committee to be sufficiently comprehensive. In re-casting this section, which is now No. 61, the Committee have extended its scope, by which the Local Government may, whenever the Act shall be extended to any other town or place, appoint persons, either by name or official designation, to carry out the duties imposed, and exercise the powers conferred by the Act on the Commissioners and the Chairman of the Commissioners. In clause (*2*) of this section provision has been made for the modification of certain other sections when the Act is extended beyond the local limits of Calcutta, which will enable the Local Government, by notification in the Calcutta Gazette, to provide that the language commonly used in such extended districts shall be substituted for those provided in the Act. This is a very necessary provision, as it is most desirable that the plate affixed to a conveyance specifying the fare according to distance and time which may be legally demanded and taken from the hirer shall be in the language most in use in each district.

"Under the existing law the Registering Officer is appointed by the Government, and every act, matter or thing done by that officer (under or by virtue of the Act) is subject to the order, disposition and control of the Commissioner of Police. In the Bill which is now under the consideration of this Council, it has been provided that this officer shall be appointed by the Commissioners, and that the working of the Act shall be entirely under the control of the Corporation of Calcutta. Full powers have been given enabling the Commissioners (subject to the approval of Government) to frame bye-laws and rules which may be legally enforced. This will place the Commissioners in a position to deal summarily with all questions which may arise in connection with the working of the Act, and will, no doubt, lead to the much needed reforms.

"Section 5, as originally drafted, placed the Registering Officer under the control of the Commissioners. This the Committee considered inadvisable, and have therefore altered the section so as to place him under the immediate control of the Chairman of the Corporation. This for obvious reasons must be preferable; for if the Act is to lead to the better administration of the Hackney-carriage Department, the Chairman's orders should be final. It is also desirable that the status of this officer should be very materially improved, and the Committee have therefore, under clause (*3*) of the same section, made his appointment and removal subject to section 41 of the Calcutta Municipal Consolidation Act of 1888.

"In section 23, the word 'knowingly' has been omitted, as it has been found difficult in practice to prove to the satisfaction of the presiding Magistrate that the owner knowingly permitted an unlicensed person to act as driver. The fact of a person acting as driver being unlicensed should suffice for the conviction of the owner. In like manner the Commissioners have omitted in section 27, clause (*2*), the words 'wilfully' and 'fraudulently;' for a driver who neglects to deliver up, uses or wears an expired ticket, should be convicted without the necessity of proving that he did so wilfully or fraudulently. It will have been noticed that the tendency of the Bill is to reduce the penalties, especially in the case of drivers. Under the existing Act it was found that the alternative penalty in default of payment of fine was in some instances excessive; these have been reduced in the present Bill, but with regard to section 17 the Committee were of opinion that the fine of Rs. 10 for the offence of plying

for hire without having a proper plate affixed is wholly inadequate, and would not act as a deterrent. The fine has therefore been raised to Rs. 50, the amount provided under the existing Act.

"In the first schedule of the Bill the Committee deemed it advisable to somewhat enhance the daily fare for a carriage of the second class to Rs. 3-8, and to allow the old rule to stand as regards the fare of Rs. 2 for five hours. Under the existing Act the fare for this class, if taken at 12 annas for the first hour and 6 annas for every other hour or part of an hour beyond the first hour, the sum payable for eight hours amounted to Rs. 3-6, but for a whole day of nine hours to only Rs. 3. This was certainly an anomally, and by the adoption of the present proposal the fare for eight hours would be the same, Rs. 3-6, and for nine hours Rs. 3-8.

"Should the Bill, as amended, be accepted by the Council and passed into law, the Municipal Commissioners will have its entire working in their hands. They will be empowered to frame bye-laws and rules which can be legally enforced, and there is no doubt that full advantage will be taken of these powers in order to ensure a better description of carriages and horses being used, and a more reliable class of men being employed as drivers. The claims of owners and drivers have been carefully considered. The fares have been slightly increased, and the doubt which existed as to the sum which could be legally demanded after the first five hours removed, while the penalties in several instances have been considerably reduced. The whole Bill has been framed with the object that Calcutta should be better served in this direction, that due protection be given to both owners and hirers, and the result, it is hoped, will be a very material improvement in the hackney-carriage service."

The HON'BLE MR. WALLIS also moved that the Report of the Select Committee be taken into consideration in order to the settlement of the clauses of the Bill, and that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee.

The Motions were put and agreed to.

The HON'BLE MR. WALLIS also moved that in clause (*4*) of section 15, the words 'shall be forfeited to the Government' be omitted, and the words 'shall be credited to the Hackney-carriage Fund' be substituted for them.

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT said:—"I have to move in clause (*2*) of the same section an amendment which has been proposed by the Commissioners at their recent meeting. They desire to appoint one or two or more Inspecting Officers whose business it shall be to watch over the carrying out of the Act, and to investigate the extent to which any infringement of its provisions takes place. The provision before us gives power only to a Police Officer to seize and remove to a police-station any carriage which has not been duly registered. The Commissioners urge that if they have paid officers whose business it is to go about and see that no carriage is plying for hire which has not been duly registered and does not carry its plate, those officers should have power at once to arrest the driver and to carry the carriage to the nearest police-station, instead of waiting till they can find a police constable whom they can induce to arrest the driver, while in the meantime the driver might drive off as fast as he can. I understand this point was considered in Select Committee, and was not adopted, and it is therefore with considerable hesitation that I ask the Council to consider it. But I do so because I am under the impression that there has probably been a misunderstanding, that they thought this power would probably be given to irresponsible officers drawing inconsiderable salaries. But this is not the case, as the proposal is to appoint officers of standing and position to this work. A parallel case is to be found in the working of the Act for the Prevention of Cruelty to Animals. Under the law no person but a police officer can arrest a person committing an offence under that Act. We have a most useful and philanthropic society which has its agents scattered over the whole town, and constantly taking notice of acts of cruelty and enforcing the law against persons who commit offences under that Act; and in order that they might act with better effect, these

emissaries of the society have been vested with the powers of police constables to enable them to make arrests. It is admitted that the power thus conferred has not done any harm, but, on the contrary, has distinctly worked good. The objection, I understand, has been raised that if a driver sees a person looking like a private person coming to arrest him, he might conceive that he is not invested with any authority, and a disturbance might arise consequent on the driver exercising the right which he might believe himself to possess, viz., the right of private defence. I have therefore thought it best to move the amendment proposed by the Municipal Commissioners in the following form, namely, to insert after 'Police officer' in clause (2) of section 15, the following words:—'or any person duly authorized in that behalf by the Commissioners, and wearing a distinctive badge to indicate his official capacity.' I trust that this amendment will commend itself to the Council. I trust they will think that by this provision any danger likely to arise in consequence of what may be thought to be unlawful interference will be avoided."

The HON'BLE SIR ALFRED CROFT said:—"I am glad that Your Honour has moved this amendment because it falls in with a suggestion that I intended to make with regard to the appointment of Inspectors of hackney-carriages. Bye-laws may be framed with any degree of detail and stringency, but unless officers are appointed with the express object of seeing their provisions carried out, they will prove inoperative. I believe that many of the complaints as to the state of hackney-carriages are due to the fact that the carriages are repaired and painted and patched up for the day of registration; they pass in review so as to make a fair show before the Registering Officer, but the repairs are so badly done that they soon fall to pieces, and so remain till the next registration-day when they are patched up again. It is stated that the Registering Officer has to pass in review some fifty carriages in a morning, and therefore his inspection cannot but be very superficial. A second inspection and registration at the end of six months has been suggested, but even that is not sufficient. What seems to me to be wanted is to appoint a whole-time officer—in fact more than one whole-time officer, at any rate one for the north and one for the south of the town—to go about the hackney-carriage stables; to inspect the carriages and examine their springs and general state; to look at the horses and ponies; to examine the harness and see that it is strong and serviceable; to see that the drivers are capable men and decently dressed; and to warn them against an offence frequently committed, especially in Chowringhee, namely, that of racing their carriages against each other at full gallop, to the imminent danger of passers by and of other carriages. Unless the Municipality should prefer to appoint independent Inspectors, the officers whose appointment this amendment contemplates might well be entrusted with such duties. The Inspectors should be subordinate to the Chairman of the Corporation, and should report directly to him. On these grounds I have much pleasure in supporting this amendment."

The HON'BLE DR. RASH BEHARI GHOSE said:—"As a member of the Select Committee, I am bound to say that if the case had been properly represented to us, we should certainly have felt considerable hesitation in rejecting the suggestion made by the Municipal Commissioners. Now, however, that we are assured that only officers of a superior grade will be deputed to perform the duties prescribed in section 15, and that these officers will have to wear a distinctive badge, the reasons which impelled the members of the Select Committee to reject the amendment no longer hold good, and I am quite prepared to support it."

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT moved that in section 21, clause (2)(b), line one, the words 'and father's name' be inserted after 'name.' He said:—"This was suggested by the Commissioners in order to avoid the possibility of substituting one person of the same name for the person to whom the license to act as driver has been granted. I do not suppose there will be any objection to this amendment."

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT said:—"The next amendment which I have to move was not proposed by the Commissioners, but has occurred to myself in examining the project of law before us. It is in section 34 which runs as follows:—'The driver of every hackney-carriage shall carry in or upon such carriage a reasonable quantity of luggage for every person hiring such carriage without any additional charge.' It seems to me that the words 'reasonable quantity' is hardly such a term of precision which should be put into a legislative enactment, and that it might unnecessarily tend to disputes and disagreements between the driver and the hirer. It may be urged that this section has only been copied from the former Act; that it has been in force ever since Act V of 1866 was passed; and that no difficulty has been found to arise. But I wish to point out that one of the main, if not quite the main, object why we are now legislating is the object of humanity, to relieve the animals which draw hackney-carriages from that strain to their physical endurance to which we now find them subject. We have provided with great care that a carriage may carry only a certain number of persons; that the Registering Officer should see that the carriage must be of sufficient strength and the horses of sufficient size to draw four persons of average weight. But if we allow any amount of luggage to be put on the roof in addition to having four persons inside, we may possibly be putting such a strain on the poor animals as they might not be able to bear. Therefore, I propose, in substitution of the vague expression 'reasonable quantity of luggage' to insert the words 'a quantity of luggage not exceeding two maunds.' If we fix the quantity at two maunds, we shall know how much the carriage may be expected to carry and the animals to draw. I trust a restriction of this kind will commend itself to you as a move in the direction of a humane regard for the condition of the animals which has induced the Council to consider the Bill now before us."

The HON'BLE SHAHZADA MAHOMMED FURROKH SHAH seconded the motion.

The HON'BLE DR. MAHENDRA LAL SIRCAR said:—"I wish to put before the Council the case of only one person hiring a carriage and he alone travelling in it. In such a case the conveyance would be lightened to the extent of the weight of three persons, and, in my humble opinion, it would be unfair to limit the weight of luggage to two maunds. I would, therefore, suggest that in lieu of the three other persons which the carriage is licensed to convey, the driver should be bound, if required, to carry three additional maunds of luggage, one maund in lieu of each such person It will be a hardship if a person hires a carriage to convey him to a railway station if he is not allowed to carry with him on the carriage the full amount of luggage he has, provided it does not exceed five maunds, but where four persons travel in the carriage he agrees with the Hon'ble the President that the limit of two maunds of luggage is reasonable."

The HON'BLE SIR ALFRED CROFT believed there was some provision of the kind in the London Hackney-carriage Act.

The HON'BLE THE PRESIDENT said:—"The London rule, I think, is that for every outside parcel 2*d*. extra is paid. It seems to me that the suggestion made by the Hon'ble Dr. Mahendra Lal Sircar is a reasonable one, and I accept it, and therefore now move the substitution of the words—'a quantity of luggage not exceeding two maunds, together with one additional maund for every person below four carried in the carriage.'"

The Motion was put and agreed to.

The HON'BLE DR. MAHENDRA LAL SIRCAR moved that in section 39, clause (*2*), line 6, the word 'or' be omitted, and the words 'and in default of payment' be substituted.

He said:—"As the section now stands the Magistrate might either sentence the offender to a fine or to imprisonment. I think the imprisonment should only be imposed in default of payment of the fine. It would be very hard if a

person may be sentenced to imprisonment for non-payment of the fare due by him to a hackney-carriage driver."

The HON'BLE SIR ALFRED CROFT in seconding the motion said :—" It seems to me difficult to imagine a case of evasion of payment of fare which is so bad as to demand a sentence of imprisonment, and that the imposition of a fine of Rs. 50 would meet the exigencies of the case."

The HON'BLE DR. RASH BEHARI GHOSE said :—" I am sorry I cannot support this amendment. If I remember rightly, the question was discussed in the Select Committee, when we thought there might be special cases in which a Magistrate would be justified in awarding imprisonment, not necessarily for one month which is the maximum, but for such period as the Magistrate might think the man deserves. A man who evades payment of the fare, or, in other words, attempts to cheat the driver, is certainly not deserving of much pity. And I think we may trust the Magistrate who would have to deal with the case to exercise his discretion in a proper manner. If we leave out the imprisonment altogether, in a very bad case of evasion, the offender will get off very lightly. I therefore think this provision ought to stand as it is in the Bill."

The HON'BLE MR. WALLIS said:—" I think the section as it is now worded should be allowed to stand as has been mentioned by the hon'ble member who spoke last; this question was considered in Select Committee. The very words proposed by the hon'ble mover of the amendment were recommended by the Central Mahommedan Association, but their recommendation was duly considered, and it was decided that a person who actually evades payment of fare commits an offence which rightly subjects him (at the discretion of the Magistrate) to the penalty of imprisonment."

The HON'BLE SHAHZADA MAHOMMED FURROKH SHAH said :—" If I remember rightly, a man who evades payment of a railway fare is only subject to the penalty of fine."

The HON'BLE THE PRESIDENT said :—" I find, on referring to the Railways Act, that a person who travels without a ticket, or attempts to cheat by not paying the full amount of fare, is liable to a fine and not to imprisonment. But before I put the question to the vote, I should like to point out in the first place that this provision stands in the Bill as it exists in the present Act. The alternative given to the Magistrate of imposing imprisonment instead of fine, and not only in default of payment of fine, has been in force since 1866; and this fact is an argument for not changing the law unless anyone happens to know of any grievous injury having been inflicted under the authority of the present law, which shows that there is need for its amendment. It seems to me that there are cases in which the Magistrate might be bound to inflict imprisonment and not fine. I am told that it not unfrequently happens that sailors take a hackney-carriage, and after using it try to defraud the driver and escape by going on board their ship. In a case of that kind a sentence of fine would generally be a *brutum fulmen*. It would have no effect; and the imprisonment which would be imposed in default of payment of the fine would be simple imprisonment, which would be rather in favour of the sailor than a punishment to him, because we know that according to the old saying life on shipboard is imprisonment with the chance of being drowned, and simple imprisonment is imprisonment without the chance of being drowned. To him being detained from his ship by being sent to a prison would not be such a severe punishment, as it would be to any ordinary person. The fact that the Select Committee considered this question and decided that the alternative punishment of imprisonment should remain should of course weigh with the Council to a considerable extent, and unless any strong grounds are put forward to invalidate reasons which led the Select Committee to the conclusion to which they came, we are bound to pay to it the greatest respect. We must also bear in mind that two of the members of the Select Committee are absent, and therefore the voting power of the Select Committee is weaker than usual."

The HON'BLE MAHARAJAH SIR HARENDRA KISHORE SING BAHADUR observed that, in his opinion, the penalty to be inflicted for the offence here provided for, whether it should be fine or imprisonment, should be left to the discretion of the Magistrate.

THE Motion was then put to the vote and negatived.

The HON'BLE THE PRESIDENT said:—"In section 42 a new provision has been adopted taken from the Madras Act III of 1879, under which, if a dispute arises between the hirer and the driver, the hirer may require the driver, or the driver may require the hirer, to proceed forthwith to the nearest Magistrate's Court, and the then sitting Magistrate shall hear and determine the suit in a summary way. The addition to the existing law is contained in the words 'and the driver may require the hirer' to go to the Magistrate's Court and settle the question off-hand. I think the hon'ble members must admit on consideration that very great inconvenience may result to the hirer from this innovation. My hon'ble friend Dr. Rash Behari Ghose, for instance, may be proceeding to the High Court, and if in case of a dispute arising between him and the driver he can be forthwith taken before a Magistrate, he may be put to great inconvenience, and his client, perhaps, may lose his case for want of the valuable services of his advocate; or a gentleman may be on his way to a railway station and may miss his train; and, lastly, there is the strongest case of all, the case put by a memorial presented by my friend Nawab Abdool Latif of a *purdah nashin* lady whose appearance in court would be impossible. I therefore propose that these words which have been imported from the Madras Act be omitted, and that we should fall back on the terms of the original Act with one slight exception to provide for cases in which the Magistrate being engaged in some important case is not able to hear and determine the dispute, or when no Magistrate may be sitting at the time. The section which I propose to substitute for section 42 of the Bill will run thus:—

'In case of any dispute arising between the hirer and the driver of any registered hackney-carriage, the hirer may, if any Magistrate be then sitting, require the driver to drive to the Court of such Magistrate, or if any Magistrate be not then sitting to the Registering Officer; and if any driver shall refuse to obey such requisition, it shall be lawful for the hirer to give such driver into the custody of the nearest Police Officer. Such Police Officer shall thereupon take the driver and the hirer, together with the carriages and horses, to such Court or Registering Officer, and the then sitting Magistrate or Registering Officer shall, in either of the cases aforesaid, hear and determine the dispute in a summary way.'

The HON'BLE DR. RASH BEHARI GHOSE said:—"I have much pleasure in seconding this amendment. I pointed out to my colleagues in the Select Committee that this provision was liable to be abused by the drivers of hackney-carriages. In the case put by Nawab Abdool Latif, the abuse would be very great. But I yielded rather too readily perhaps to the suggestion of my colleagues that the section would practically be a dead letter, and that a corresponding provision was to be found not only in the Madras Act, which had led to no harm, but, if I am not mistaken, in the English Act also. I am glad that this amendment has now been moved."

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT said:—"The next amendment which I have to move is a very small one in section 51, clause (*2*) which provides that 'all the provisions of this Act in any way relating to the taking out, granting, renewing or producing the licenses, or to the issuing, granting, wearing or using tickets granted to drivers of hackney-carriages, shall be applicable in like manner to the bearers of palanquins.' It is proposed to insert the words 'or using' after 'producing,' in order to meet the case of a palanquin-bearer transferring his license to anybody else. I do not think any objection can be taken to the amendment."

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT moved that in section 53, clause (*1*) (*b*), the words 'dimensions of such carriages' be inserted after 'hackney-carriages.'

He said:—"This seems to me a very useful provision suggested by the Commissioners. It will enable the Registering Officer to see that hackney-carriages are not made of a size which is too heavy for the animals drawing them, and will tend to the same humanitarian direction which we are all agreed upon."

The HON'BLE DR. MAHENDRA LAL SIRCAR seconded the motion.

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT moved that in section 56, the following words be substituted for the whole of the proviso from line 8 to the end:—'The omission to register any hackney-carriage or palanquin or to take out a license, shall be deemed to be a continuing offence.'

He said:—"It is the form of words proposed by our legal adviser as better suited to express the intention of the section."

The Motion was put and agreed to.

The HON'BLE DR. MAHENDRA LAL SIRCAR moved that in the first schedule, Rs. 3, the present rate of hire for a second class carriage for a whole day consisting of 9 hours, be substituted for Rs. 3-8, the rate entered in the amended Bill.

He said:—"We have sufficient evidence, and we see it especially from the remarks made by Mr. Phelps at the last meeting of the Municipal Commissioners, that the owners of second class carriages gain ample profit from the present rates of hire. The rates have been enhanced in the Bill in order that the carriages might be improved, but as has already been pointed out the disreputable condition of the hackney-carriages in Calcutta is not due to the smallness of the fares that are paid, but to the want of proper supervision and inspection. With the proper supervision and inspection to be provided by this Bill, we should have better carriages, and I do not see any necessity for enhancing the rates of fare for second class carriages. To enhance the rates will be a great hardship to the middle class people, who are the hirers of these carriages. Besides there is an anomaly in the schedule of rates for second class carriages which will be removed by the amendments which I now propose. The anomaly is that for the first hour the fare is 12 annas, and for every hour or part of an hour after the first the fare is 6 annas, and for half a day of 5 hours the fare is Rs. 2; so that the fare for four hours is Re. 1-14, whilst for the fifth hour it is only 2 annas, and then for every subsequent hour the fare is 6 annas. This anomaly will be removed by the amendment I propose to substitute, Rs. 3 for Rs. 3-8. If that amendment is carried, I am prepared to move other amendments with reference to the rates for the rates for second and third class carriages."

The HON'BLE THE PRESIDENT said:—"As nobody seconds this amendment, I shall take it that the sense of the Council is against it."

The HON'BLE SIR ALFRED CROFT said:—"The reason why I do not second the amendment is that if the Corporation carry out the suggestion I made for the appointment of Inspectors, it will keep the carriages more up to the mark, and there will consequently be more expense to the owners, and they will be so far recompensed by the slight increase of rates proposed in the schedule."

The HON'BLE DR. MAHENDRA LAL SIRCAR said:—"The anomaly is that for four hours the fare will be Re. 1-14, and for five hours Rs. 2, so that for 2 annas the hirer can keep the carriage a whole hour longer; whereas for each of the succeeding hours he will get 6 annas. This is an anomaly which would be removed if my amendment had been carried. I now move that the charge for a second class carriage for the first hour be 12 annas, for the second and third hours, or any part thereof, 6 annas, and for every hour beyond the third hour the charge shall be 4 annas; and then we shall do away with the necessity for fixing the rates for half a day of 5 hours, and a whole day of 9 hours. These rates will themselves amount to Rs. 2 for 5 hours and Rs. 3 for 9 hours. Similarly, in the case of third class carriages, I shall propose that the rate for the first hour shall be 6 annas, 4 annas each for the second and third

hour, and 3 annas for each hour after the third hour; and these rates will amount to Rs. 2 for 9 hours. These amendments have the recommendation of simplicity as well as of logical consistency. They are not unfair to the owner, and they are very fair to the hirer. It will certainly be a hardship to the middle and poorer classes if the rates proposed in the Bill are retained. My present motion is confined to the rates for second class carriages which I have specified."

The HON'BLE THE PRESIDENT said:—"As the motion is not seconded, I take it that the sense of the Council is against this amendment too."

The HON'BLE DR. MAHENDRA LAL SIRCAR then moved that for third class carriages the following rates be entered in lieu of the rates now in the schedule, namely, that the rate for the first hour shall be 6 annas, for the second and third hours or part thereof 4 annas, and for every subsequent hour or part of an hour 3 annas.

The HON'BLE THE PRESIDENT seconded this amendment. He said:—"It is one which I independently intended to bring forward, but I am glad the hon'ble member has forestalled me. The Municipal Commissioners have discussed this subject very fully at their recent meeting, and they proposed the alteration now before the Council. Mr. Phelps, one of the Commissioners, who originally brought forward the proposal to amend the Hackney-carriage Act, suggested this very amendment, and after a long debate it was carried. We want to justify the imposition of the demand to be made upon the owners of third class carriages for the improvement of the condition of their carriages and ponies by making their work a little more remunerative. On the other hand, we are anxious not to make the rates of hire oppressive especially on the poorest and lowest classes. It is these persons whom we are specially bound to protect. The well-to-do middle classes who chiefly hire second class carriages can defend themselves, but those who use third class carriages we, in our position as representing the Government, are above all people bound to consider. The result of the amendment before the Council will be that for each of the second and third hours of hiring one anna more will have to be paid than at present, and the rates would not be different in other respects. But this will justify the Commissioners in demanding that the owners shall put themselves to larger expenditure to put their carriages in good order, and I trust the rates of fare will not be considered too oppressive on the poorer classes in whose behalf the Select Committee, and I believe the Municipal Commissioners also, received many representations, and I hope this amendment will be considered favourably by the Council."

The HON'BLE DR. RASH BEHARI GHOSE said:—"I also think that this amendment should be carried for the reasons which have been given by my colleagues. It will be a decided improvement, and, speaking for myself, I am obliged to the Municipal Commissioners for pointing out the mistake which the members of the Select Committee had made."

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT said:—"Another suggestion has been made by the Municipal Commissioners to the effect that the rates of fare for all classes of carriages after the ninth hour should be specified in the law, because the decision of the Magistrates in this respect have varied, and there is no certain rule for guidance, either of the public or of drivers. I therefore move that another column be added to the schedule providing that for every hour, or part of an hour, after the ninth hour, the rates of fare shall be for first class carriages 8 annas, for second class carriages 6 annas and for third class carriages 3 annas. This will be the best way to simplify and settle a matter in respect of which there is now considerable doubt."

MR. WALLIS seconded the motion.

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT said:—"I have also a suggestion to make with regard to the foot-note to this schedule. According to the foot-note as it now stands in the Bill, the Council will observe that the fares are to be paid, either by distance or by time, at the option of the hirer, to be expressed at the commencement of the hiring; if not otherwise expressed, the fare to be paid according to time. I think it is desirable that we should also provide that the hirer shall not have the benefit of the rate for 5 hours or for 9 hours where it is a reduction upon the rates per hour, unless at the time of the hiring he expresses his intention to engage the carriage for that specific time, that is, that he should state at the first whether he takes the carriage for 5 hours or for 9 hours. I therefore move that the following words be substituted for the present foot-note to the schedule:—

'The above fares to be paid according to time, unless at the commencement of the hiring the hirer expresses his intention of paying according to distance. In the case of a second class carriage the hirer cannot avail himself of the half day or whole day rate unless at the time of hiring he engages the carriage for the half day or whole day as the case may be.'

The HON'BLE MAHARAJAH SIR HARENDRA KISHORE SINGH BAHADUR seconded the motion.

The HON'BLE SIR ALFRED CROFT said:—"I feel some slight difficulty in voting for this amendment. Suppose the hirer has a lot of shopping to do, and does not know whether he will require the carriage for 3, 4, or 5 hours; the driver is quite willing to be hired on these indefinite terms; if it so happens that at the end of 3 or 4 hours the hirer does not want to discharge the carriage, but wishes to keep it till the completion of 5 hours, why should he lose the advantage of the 5 hours' rate merely because he did not make a specific contract with the driver beforehand? I am supposing the case where there is a reduction of charge for the fifth hour."

The HON'BLE MR. WALLIS said:—"I think that this proposal will, to a great extent, remove the anomaly referred to by the Hon'ble Dr. Mahendra Lal Sircar, namely, that the charge for 4 hours is Re. 1-14, and for 5 hours only 2 annas more. If a contract is entered into previously to the hiring, the anomaly will, to a great extent, be removed."

The HON'BLE THE PRESIDENT said:—"The practical effect of the amendment is that the advantage to be gained by the hiring of a second class carriage for half a day of 5 hours will be the payment of 2 annas for the fifth hour, instead of 6 annas. My hon'ble friend thinks it will not be generally practicable for the hirer to say beforehand that he will take the carriage for 5 hours, and that he does not see why the hirer should not get the advantage of the lapse of time that may occur. But I think what has fallen from the Hon'ble Mr. Wallis shows that the effect of the present amendment will be that the driver cannot get rid of the hirer at the end of the fourth hour, and therefore he will be rather an unwilling party to the contract. It seems to me only right that the contract should be made at the commencement of the hiring and that the proposal will be equally fair to the hirer and to the driver."

The Motion was put and agreed to.

The HON'BLE MR. WALLIS moved that the Bill, as now amended, be passed.

The Motion was put and agreed to.

The HON'BLE THE PRESIDENT said:—"In declaring the Bill to be passed into law subject to the approval which we hope to get, and which I have little doubt we will get, of the Government of India, I would only say two words before we break up: one, to express my thanks, on behalf of the Government of Bengal, to the Hon'ble Mr. Wallis for the excellent and practical way in which he has conducted the business of preparing the Bill for the Council; and the other is a word addressed to the Municipal Commissioners. I trust that they will bear in mind what has fallen from the Hon'ble Sir Alfred Croft in regard to his recommendation that they should appoint at least two capable Inspectors

to ensure the satisfactory carrying out of the provisions of this Act—Inspectors who will see not only that these hackney-carriages are more decent and comfortable, that the drivers are better dressed and better able to drive with less danger to human life, but above all that there should be more humanity felt for the animals which are driven in these carriages, and that the reproach thrown upon us—and I think very justly thrown upon us—that there is no town in the whole of the British Empire in which the hackney-carriages and animals are such a disgrace to civilization as they are in Calcutta will be removed. Neither in Bombay nor in Madras nor in Karachi, nor even in a little town like Hyderabad in Sind, can you find anything comparable to the disgraceful state of the carriages or the miserable condition of the ponies which are driven in third class carriages in Calcutta, and I hope sincerely that the effect of the passing of this Act will be to prevent the recurrence of any such sights as those which inflict the eyes and the hearts of philanthropic people at the present day.

"There is a new clause in the Act which authorizes the Municipality to pass bye-laws which shall come into force after the confirmation of the Government. I have considered very carefully whether this would be a sufficient protection to the public. I was very much inclined to propose that more power should be given to the Government, so that they should be able not only to confirm the bye-laws, but if they found that the Commissioners did not pass bye-laws sufficient to meet the spirit of the Bill and the object of the Legislature, that the Government should have the power to take the initiative to draw up bye-laws or at least to modify and amend those framed by the Commissioners. The Bill as it now stands does not give that power. After careful consideration, and after discussing the subject with many gentlemen who were well able to advise me, I came to the conclusion that it was not desirable to propose any such amendment. I think we have reason to believe that we can trust the Municipal Commissioners to follow the spirit in which we have been acting, to follow the spirit which has been expressed by the public press and by many public Corporations, and the views which have led to the formation of the present Bill. I trust that in a very short time the Commissioners will draw up a set of bye-laws which will fully meet the spirit in which this law has been drawn up, and that they will appoint a suitable body of officers, capable and responsible, who will effectually see that the provisions of the law are carried out."

The Council adjourned *sine die.*

GORDON LEITH,

CALCUTTA; *The* 19*th August*, 1891.

Offg. Assistant Secretary to the Govt. of Bengal, Legislative Department.

REPORT ON THE STATE OF THE SALT MARKET FOR THE FIRST QUARTER 1891-92.

No. 558B, dated Calcutta, the 13th August 1891.

From—T. INGLIS, ESQ., Offg. Secretary to the Board of Revenue, L.P.,
To—The Secretary to the Government of Bengal, Financial Department.

SALT.

A. SMITH, ESQ.

I AM directed by the Board of Revenue to submit the following report on the state of the salt market for the first quarter of 1891-92, comprising the months of April, May and June 1891.

2. The quantity of salt of every description cleared during the quarter under report amounted to 27,65,043 maunds 1 seer 11 chittacks, against 22,65,538 maunds 34 seers 12 chittacks in the previous quarter, and 26,51,986 maunds 8 seers 5 chittacks in the corresponding quarter of the previous year; and the net amount of duty levied thereon was Rs. 65,36,650 against Rs. 52,74,742-6 in the previous quarter, and Rs. 62,34,543-12 in the corresponding quarter of the previous year.

3. The quantity of excise salt sold in Orissa during the quarter under review and the quantity which remained in store at the close of the quarter, are shown in table I:—

TABLE I.

	Cuttack.	Pooree.	Balasore.
		MDS. S.	MDS. S.
Balance at close of the last quarter	......	58,596 20	702 0
Manufactured or added during the quarter	......	......	......
Total ...	......	58,596 20	702 0
Sales during the quarter	......	8,005 0	......
Wastage	......	1,807 0	201 0
Total ...	......	9,812 0	201 0
Balance at close of the quarter	......	48,784 20	501 0

4. The total sale of excise salt during the quarter under review amounted to 8,005 maunds, against 23,232 maunds in the previous quarter, and 46,297 maunds in the corresponding quarter of the previous year. The total amount of excise salt cleared, *i.e.*, on which duty was paid during the quarter, was 6,008 maunds. The figures in the table shown in the last paragraph are for the salt removed from the golahs.

5. The subjoined table shows in comparison the importations into the port of Calcutta, and the total clearances of sea-imported salt during the quarter under review, and the corresponding quarters of the previous two years:—

TABLE II.

	1889-90.		1890-91.		1891-92.	
	1st quarter.		1st quarter.		1st quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Liverpool pungah	28,22,181	17,61,878	18,17,001	15,56,155	15,54,461	16,91,691
Foreign kurkutch	5,19,401	4,12,306	6,68,862	7,66,515	6,91,554	8,05,330
Indian ditto	1,15,008	1,30,111	1,93,253	1,43,239	1,22,088	1,41,011
Total ...	34,56,590	23,04,295	26,79,116	24,65,909	23,68,103	26,38,032

6. The following are the details of the Indian kurkutch salt shown in the above table :—

TABLE III.

	1889-90.		1890-91.		1891-92.	
	1st quarter.		1st quarter.		1st quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bombay	92,068	1,07,171	1,71,179	1,10,033	1,22,088	1,41,011
Coconada	21,940	21,940	20,674	22,806	......	......
Cuddalore	800	800	......	......	......	......
Gopalpore	200	200	......	......	......	......
Tuticorin	......	......	200	200	......	......
Madras	......	......	1,200	1,200	......	......
Total ...	1,15,008	1,30,111	1,93,253	1,43,239	1,22,088	1,41,011

7. Table IV shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the results of the previous four quarters :—

TABLE IV.

WHERE STORED.	First quarter of 1890-91.	Second quarter of 1890-91.	Third quarter of 1890-91.	Fourth quarter of 1890-91.	First quarter of 1891-92.
	Mds.	Mds.	Mds.	Mds.	Mds.
Sulkea Government golahs	19,60,547	21,64,395	23,66,555	22,46,443	15,58,915
Chittagong ditto ditto	99,605	83,574	2,60,057	2,43,399	1,26,919
Ditto private ditto	......	......	......	......	42,998
Naraingunge ditto ditto	......	......	......	......	168
Total ...	20,60,152	22,47,969	26,26,612	24,89,842	17,29,000

8. The despatches of salt from Calcutta by water and the three railways passing the several salt pass stations into the interior of the country, both east and west of the river Hooghly, during the quarter under review and the corresponding quarters of the previous two years, are shown in the table below :—

TABLE V.

PERIOD.	*Viâ* Balikhal.	*Viâ* Sankrail.	*Viâ* Gewankhally.	*Viâ* Kidderpore.	*Viâ* Balliaghatta	*Viâ* Buthtollah Ghât.	By the East Indian Railway.	By the Eastern Bengal, Central Bengal and South-Eastern Railways or *viâ* Chitpore.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
First quarter of 1889-90 ...	1,53,568	1,30,411	34,093	68,800	2,07,377	1,897	9,65,407	3,18,225
Ditto of 1890-91 ...	1,55,714	1,17,096	32,525	1,09,580	1,73,154	1,287	9,69,983	4,26,221
Ditto of 1891-92 ...	1,63,904	1,36,353	98,057	1,30,559	27,707	609	10,77,493	4,53,319

9. The quantity of salt despatched by the East Indian Railway to stations beyond Buxar during the quarter under review amounted to 2,126 maunds 10 seers, as noted in the margin, against 2,857 maunds 10 seers in the previous quarter, and 3,341 maunds 10 seers in the corresponding quarter of the previous year. A further quantity of 65,714 maunds was sent to Orissa during the quarter, against 63,472 maunds sent during the previous quarter.

	Mds.	s.
April ...	607	20
May ...	607	20
June ...	911	10
Total ...	2,126	10

10. The shipments of Liverpool salt for the port of Calcutta, according to published market reports, were as follow :—

	Tons.
April	16,440
May	19,830
June	37,100
Total ...	73,370

11. Table VI shows the market price per 100 maunds of Liverpool and other descriptions of salt at the close of each fortnight during the quarter, as compared with those obtaining during the same period last year :—

TABLE VI.

DESCRIPTION OF SALT.	Prices on the 15th April.		Prices on the 30th April.		Prices on the 15th May.		Prices on the 31st May.		Prices on the 15th June.		Prices on the 30th June.	
	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Liverpool pungah ...	92	81	90	73	88	73	90	80	90	68	82	70
Jedda Kurkutch ...	58	52	55	52	56	54	56	54	53	...	52	...
Bombay ditto ...	80	52	70	54	54	55	54	55	50	55	47	55
Muscat ditto ...	51	43	53	48	55	42	55	43	57	41	55	48
Rock ...	75	70	75	70	70	70	70	70	70	75	65	75

12. The following table shows the quantity of sea-imported salt admitted into bond and cleared from bond and shipboard at Chittagong and Narain-gunge during the quarter under review and the corresponding quarter of 1889-90 :—

TABLE VII.

PORT.	DESCRIPTION OF SALT.	ADMITTED INTO BOND.		CLEARED	
		First quarter of 1890-91.	First quarter of 1891-92.	First quarter of 1890-91.	First quarter of 1891-92.
		MDS. S.	MDS. S.	MDS. S. C.	MDS. S.
Chittagong ...	Liverpool Pungah	......	......	60,198 32 8	60,693 1
	Akyab	......	......	......	0 30
	Cochin Kurkutch	......	......	......	0 4
	Bremen	......	......	7,180 0 0	......
Naraingunge ...	Liverpool Pungah	......	6,928 0	47,025 0 0	51,310 0
	Total ...	......	6,928 0	1,14,403 32 8	1,21,003 35

13. No transactions in sea-imported salt have been reported for the quarter from the ports of Cuttack, Pooree, and Balasore.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 22nd August, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
BURDWAN DIVN.			
1	Burdwan August 22, '91	2·41	Weather—hot and rainy. Transplantation of *aman* still going on. *Aus* and sugarcane doing well. A few cases of cattle-pox. Supply of water and fodder good. Prices of common rice :— Srs. Burdwan ... ... 16 } per rupee. Cutwa ... ... 14⅛ } Raneegunge ... ... 15¼ }
	Culna ...	1·00	
	Cutwa ...	1·69	
	Raneegunge ...	1·20	
2	Bankoora „ 22, '91	1·79	Sky lightly clouded with occasional showers. Transplantation of *aman* nearly finished. Sugarcane thriving. Indigo cutting nearly over. Common rice selling at 17⅔ seers per rupee at Baukoora as well as at Bishenpur.
	Bishenpur ...	2·65	
3	Birbhum „ 22, '91	4·60	Weather—seasonable. Prospects of crops excellent. Price of common rice ranges from 16 to 20 seers per rupee. Condition of cattle normal. Supply of fodder and water plentiful.
	Rampore Haut ...	2·51	
4	Midnapur „ 22, '91	0·55	Weather—rainy. Transplantation going on vigorously. Paddy in Ghatal suffering from accumulation of water in the fields. Prices of common rice :— Srs. Sudder ... ... 16 } Contai ... ... 15 } per rupee. Tamluk ... ... 16 } Ghatal ... ... 15 }
5	Hooghly „ 22, '91	2·26	Weather—cloudy with occasional showers. Prospects continue very favourable for all crops. Condition of cattle reported good, and fodder and water abundant. Prices of common rice :— Srs. Sudder ... ... 13¼ } Serampore ... ... 13¼ } per rupee. Johanabad ... ... 17 }
	Serampore ...	4·46	
	Jehanabad ...	0·78	
6	Howrah „ 22, '91	1·06	Weather—showery. Paddy and sugarcane doing well. Cutting of jute begun. Prospects favourable. Prices of common rice 14 to 14¼ seers per rupee.
	Uluberia ...	0·55	
	Central Districts.		
PRESIDENCY DIVN.			
7	24-Perghs. August 25, '91	0·42	Weather—seasonable. Rain general all over the district. All crops doing very well. Prospects have improved by recent rain. *Aman* on low lands in some places in thana Kulpi is still under water. Cattle disease reported from thanas Haroa, Bussirhat, Canning, and some places in Sunderbuns.
8	Nuddea „ 22, '91	0·53	Weather—seasonable. Harvesting of *aus* and jute going on. High lands are being ploughed for winter crops. Condition of cattle good. Ample supply of fodder and water. *Aman* paddy in parts of Kushtea subdivision reported to be under water.
	Kushtea ...	3·21	
	Meherpur ...	1·33	
	Chuadanga ...	2·44	
	Ranaghat ...	1·42	
9	Khoolna „ 22, '91	1·72	Weather—hot and showery. Prospects of jute, *aus* and sugarcane continue good. Transplantation of *aman* going on. More rain wanted. Cattle disease appears to be abating. Supply of fodder and water sufficient.
	Bagirhat ...	2·57	
	Satkhira ...	1·30	
10	Jessore „ 22, '91	0·54	Weather—hot and cloudy with slight showers. Rivers rising slowly. *Aman* wants more water. *Aus* paddy and indigo outturn very good.
	Jhenidah ...	0·66	
	Magura ...	0·73	
	Narail ...	1·37	
	Bongong ...	1·92	
11	Murshedabad „ 24, '91	0·95	Weather—seasonable. Transplantation of *aman* nearly completed in Kandi subdivision. Harvesting of *bhadoi* going on.
RAJSHAHYE DIVN.			
12	Dinagepur „ 22, '91	1·17	Weather—very hot and cloudy. Transplantation of *haimanti* crop not yet finished. More rain still wanted for high lands. Condition of cattle reported to be good, but in the Sudder subdivision some few cases of cattle disease are reported. Supply of fodder and water sufficient. Price of rice stationary.
	Thakurgaon ...	1·94	
13	Rajshahye „ 22, '91	4·24	Weather—hot and cloudy. Harvesting of *aus* and jute going on. Prospects of standing crops good.
	Nattore	7·44	
	Nowgong ...	1·31	
14	Rungpur „ 22, '91	2·51	Weather—fine with slight east wind. Rainfall of the month up to date has been 3¼ inches, against an average of 12 inches. The absence of rainfall renders the prospect of the winter rice crop less favourable. A considerable area has not been planted out, and the crop which has been planted is weak. Rain wanted for steeping jute. *Aus* harvest nearly over with fair outturn. Rivers and tanks low.
	Nilphamari ...	1·28	
	Gaibanda ...	2·30	
	Kurigram ...	0·80	
15	Bogra „ 22, '91	3·31	Weather—fine with passing clouds. East and south-east winds. *Aman* is being transplanted. Recent rain has done much good to cultivation. *Aus* and jute are being reaped. Common rice is being sold at 16 seers per rupee.
	Sherpur ...	3·06	
	Nowkhilla ...	2·37	
16	Pubna „ 22, '91	0·83	Weather—cloudy and rainy. *Aus* and jute are being cut. Prospects of *aman* favourable. Rainfall has been general and of much good to the *aman* crop. Rivers still rising. Fodder sufficient. Condition of cattle good.
17	Darjeeling „ 22, '91	7·57	Weather—rainy. *Bhadoi* and *chhota marua* are ripe and being cut. Transplantation of *haimanti* paddy is still going on.
18	Julpigoree „ 22, '91	6·45	Weather—hot; cloudy with a few showers. Prospects of crops not good. Price of rice stationary. A few cases of cattle disease reported from Alipur. Supply of fodder and water sufficient.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.				
		Eastern Districts.		
DACCA DIVN.	19	Dacca August 22, '91	2·37	Weather—seasonable. Jute and *aus* are being cut. Prospect of *aman* appears favourable on the whole, and that of jute fair. In one or two quarters some loss is anticipated owing to unprecedented low floods this season. Fodder available. Common rice is being sold at from 16 to 18 seers per rupee.
	20	Furreedpur „ 22, '91	1·39	Weather—seasonable. State of crops fair. Harvesting of jute going on. Rice selling at 16, 17, and 15 seers per rupee respectively at Sudder, Madaripore, and Goalundo.
	21	Backergunge „ 22, '91	3·24	Weather—seasonable. Prospect of crops good. Common rice selling at from 13 to 18 seers per rupee.
	22	Mymensingh „ 22, '91	6·53	Weather—rainy and hot. Prospects of *aman* fair. Transplantation of *aman* nearly finished. Harvesting of jute going on. Condition of cattle reported to be fair. Common rice sells at 13½ seers a rupee.
CHITTAGONG DIVN.	23	Chittagong „ 22, '91	0·10	Weather—seasonable. *Aus* crop is being harvested in some places, and *aman* transplanted. Prices steady.
	24	Noakholly „ ...	...	Report not received.
	25	Tipperah „ 22, '91	2·35	Weather—seasonable. Prospects of standing crops very good. *Aus* paddy and jute being cut. A rise in the price of jute, favourable to the cultivators. *Aman* promises well. Cattle fodder as usual deficient. Quality of cattle deteriorating.
	26	Chittagong Hill Tracts. „ 20, '91	0·36	Weather—sunny and cloudy with occasional falls of rain. Harvesting of early *jum* paddy commenced. Transplanting in low lands continues. Common rice is being sold at 13 seers 5 chittacks per rupee. Cattle disease (rinder-pest) prevalent adjacent to the head-quarters station. Fodder and water-supply good.
BEHAR.				
PATNA DIVN.	27	Patna „ 22, '91 Barh ... Behar ... Dinapur ...	0·44 5·20 3·31 3·41	Weather—hot and cloudy. Rain in Barh has greatly facilitated transplantation of paddy. In Behar and Sudder subdivisions transplantation in progress, but more rain wanted. Prospects in Dinapur reported to be favourable. *Bhadoi* crops doing well almost throughout the district. Prices generally stationary.
	28	Gya „ 22, '91 Jehanabad ... Nawada ... Aurungabad ...	4·01 1·84 1·99 0·87	Weather—cloudy and rainy. Paddy transplantation vigorously going on. Prospects of *bhadoi* crops good. Prices of food-grains almost stationary. Supply of fodder and water to cattle sufficient.
	29	Shahabad „ 22, '91 Bhabuah ... Sasseram ... Buxar ...	1·20 4·15 2·22 2·93	Weather—bright with occasional clouds. Prospects continue much improved. In Arrah both *bhadoi* and paddy are likely to be good. In Sasseram paddy may be very good and in Bhabuah and Buxar very fair. Prices stationary in Arrah and Bhabuah, slightly fallen in Sasseram and Buxar.
	30	Durbhunga „ 22, '91 Somastipur ... Madhubani ...	0·74 2·48 1·61	Weather—occasionally cloudy with east wind. Harvesting of *bhadoi* commenced in places. Transplantation of late rice going on, but rain still wanted. Indigo manufacture in progress. Price of common rice varies from 13 to 14 seers per rupee.
	31	Mozufferpur „ 22, '91 Hajipur ... Sitamarhi ...	2·52 0·54 3·91	Occasional showers, more or less heavy. Rain has done much good and improved prospects of rice crop. *Bhadoi* crop is better than usual. Cattle in good condition. Supply of fodder and water amply sufficient.
	32	Sarun „ 22, '91	0·92	Light mon-oon weather. Prospects of *bhadoi* excellent. Rice is being transplanted, but wants more rain.
	33	Chumparun „ 22, '91 Bettiah ...	6·68 0·94	Weather—hot and cloudy with occasional rain. Prospects of *bhadoi* continue to be good. More rain wanted for completing transplantation of paddy, specially in the Bettiah subdivision. Prices stationary.
BHAGULPORE DIVN.	34	Monghyr „ 22, '91 Boguserai ... Jamui ...	0·24 3·02 4·40	Weather—hot and occasionally cloudy. *Bhadoi* is being harvested; outturn of 16 annas expected. Transplantation of winter rice continues, but more rain still wanted. Prices almost stationary.
	35	Bhagulpur „ 22, '91	0·59	Weather—rather hot and dry. Prospects much improved, but more rain wanted. Transplantation of winter rice going on. *Marua* and *makai* good. *Makai* being reaped. Price of common rice 13 seers 14 chittacks per rupee.
	36	Purneah „ 22, '91 Kishengunge ... Arrareah ...	0·50 2·09 2·17	Weather—much cooler. The more frequent showers have benefited the *bhadoi* crop and allowed transplanting to go on. In Kishengunge jute steeping is in progress. Some of the streams in the Arrareah subdivision have been bunded to the advantage of the crops. With so much delay it is not possible yet to say the area which will be transplanted. No cattle disease. Fodder plentiful.
	37	Maldah „ 22, '91 Chanchal ... Shibgunge ...	0·07 1·15 0·28	Weather—seasonable. Drizzling rain on 19th and 20th. Rivers rising. Harvesting of *bhadoi* and transplantation of winter rice going on; about 8 annas and 12 annas respectively completed. Flood-water needed for winter rice Jute is still being cut. No change in prices since last report. No difficulty has been felt in grazing and watering cattle.
	38	Sonthal Perghs. „ 22, '91	3·83	Weather—cloudy and wet. State and prospects of crops continue satisfactory. About 4 inches of rain fell since last report, and transplantation of paddy nearly completed. New *janera* is coming into market; an average outturn of this crop is expected.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.				
ORISSA DIVN.	39	Cuttack ...	...	Report not received.
	40	Pooree „ 20, '91 Khoorda ... Banpur ...	0·88 5·13 1·59	Weather—cloudy with occasional showers. Puddling and transplanting going on. Early rice (*beali*) in ear. The subdivisional officer reports that puddling cannot be done on high lands for want of sufficient rain. More rain urgently wanted. Rain of 18th has done much good. Price of common rice varying from 17 to 21 seers per rupee. Cattle disease reported from Dandimal in Khoorda.
	41	Balasore „ 22, '91	0·64	Weather—seasonable. Crop prospects good.
CHOTA NAGPORE				
		South-West Frontier Agency.		
CHOTA NAGPORE DIVN.	42	Hazaribagh August 22, '91 Giridih ...	1·72 4·56	Weather—wet and seasonable. Prospects of crops excellent.
	43	Lohardugga „ 22, '91 Palamow (up to 18th Aug.)	2·06 6·88	Weather—seasonable. Transplantation of low land paddy continues. *Bhadoi* crops doing well. No cattle disease reported. Fodder and water plentiful.
	44	Singbhoom August 22, '91	3·13	Weather—seasonable. All crops doing well. *Makai* coming into the market. No cattle disease reported. Price of common rice stationary.
	45	Manbhoom „ 22, '91 Govindpur ...	1·81 2·37	Weather—seasonable. Prospect of crops good. Price of rice 12 to 20 seers per rupee.

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CALCUTTA; REVENUE DEPT.,
The 25*th August,* 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH AUGUST 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	13 0	13 4	14 8	35 0	...	...	13 8	12 12	12 0	15 12	15 0	15 9	...	...	...
2	Bankoora ...	14 8	14 8	15 8	16 0	20 0	20 0	15 0	15 0	16 0	17 8	16 4	19 0	...	...	...
3	Beerbhoom ...	13 8	13 8	16 8	...	...	...	13 8	13 8	13 8	16 8	16 8	16 8	...	...	...
4	Midnapore ...	13 0	13 4	11 0	...	...	...	13 0	13 0	13 0	16 0	17 0	15 8	...	...	...
5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 8	13 8	13 0	...	...	...
6	Howrah ...	12 8	12 8	...	...	...	...	11 4	11 4	9 0	13 4	13 4	13 4	...	...	...
	Central Districts.															
	Calcutta ..	12 11	12 6	13 8	18 11	19 2	17 8	9 2	9 3	9 2	13 1	13 4	13 8	...	18 14	18 7
7	24-Pergunnahs	13 5	13 5	15 0	20 0	20 0	18 0	8 0	8 0	8 0	14 0	15 0	13 4	...	...	...
8	Nuddea ..	14 14	14 14	15 13	20 10	22 14	20 0	12 5	12 5	11 6	13 10	13 10	13 0	...	...	...
	Khoolna ...	...	...	...	...	...	...	14 0	13 0	11 13	16 0	16 0	13 1	...	...	...
10	Jessore ...	13 0	13 0	13 4	...	...	...	13 0	13 0	11 0	16 0	16 0	14 0	...	...	...
11	Moorshedabad	15 0	15 8	16 12	...	...	...	11 8	11 8	10 0	14 0	14 12	14 8	...	...	...
12	Dinagepore ...	15 9	15 9	13 12	16 8	16 8	21 5	13 0	12 0	12 0	16 10	15 8	15 8	...	...	...
13	Rajshahye ...	16 8	16 8	15 0	24 0	26 4	22 8	12 0	12 12	12 0	14 4	14 4	14 4	...	...	...
14	Rungpore* .		10 10	13 5	...	...	...		10 10	9 6		13 0	13 5	...	...	...
15	Bogra ...	13 8	15 0	15 12	...	...	...	12 0	12 0	12 0	15 0	16 0	15 12	...	...	...
16	Pubna ...	17 4	17 4	18 0	...	...	...	7 0	7 0	7 2	15 12	15 12	15 6	...	...	...
17	Darjeeling ..	8 0	8 0	8 0	10 0	10 0	10 0	5 0	5 0	5 0	12 0	12 0	11 0	...	...	...
18	Julpigoree	13 0	12 8	13 0	14 0	16 0	16 0	7 0	7 0	8 0	13 0	13 0	16 0	...	...	...
	Eastern Districts.															
19	Dacca ..	13 0	14 0	12 0	22 0	25 0	13 0	13 0	14 0	12 0	15 0	16 0	14 0	...	...	...
20	Furreedpore ...	20 0	16 0	15 0	16 0	20 0	20 0	13 0	14 0	10 0	16 0	16 0	14 0	...	...	...
21	Backergunge ...	...	...	...	...	...	...	13 5	13 5	11 14	15 9	15 9	13 5	...	...	...
22	Mymensingh ...	10 0	10 8	11 8	...	...	...	13 0	10 0	11 0	13 4	14 0	13 8	...	...	...

* Present return not received.

A In the subdivisions the retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11 seers 15 chittacks, and Raneegunge 10½ seers.
B Retail price of salt at Bishenpore is 10 seers per rupee.
C Retail price of salt at Rampore Hât 11¼ seers per rupee.
D In the subdivisions the retail prices of salt per rupee are :—Contai 10 seers, Ghatal 11 seers.
E In the subdivisions the retail prices of salt per rupee are :—Serampore 11 seers and Jehanabad 11 seers 10 chittacks.
F Retail price of salt at Uluberia is 10 seers per rupee.
G In the subdivisions the retail prices of salt per rupee are :—Barasat 10 seers 10 chittacks, Bussirhat (at Baduria) 12⅝ seers, Diamond Harbour (at Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
H In the subdivisions the retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Choodanga 10 seers, and Ranaghat 10 seers.
I In the subdivisions the retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.

Head-quarter Station Bazars of the Districts of Bengal on the 15th August, 1891.

Districts	Indian-corn or Maize (*Zea Mays.*): Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur, Cadjan Pea (*Cajanus indicus.*): Present return.	Next preceding return.	Corresponding return of last year.	Firewood: Present return.	Next preceding return.	Corresponding return of last year.
	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
BENGAL.									
Western Districts.									
Burdwan.	...	...	...	18 0	18 0	20 0	100 0	100 0	100 0
Bankoora.	22 0	20 0	26 0	20 0	18 0	18 0	200 0	220 0	240 0
Beerbhoom.	...	...	...	12 0	13 0	13 0	160 0	160 0	160 0
Midnapore.	...	...	...	12 0	12 0	12 0	120 0	120 0	120 0
Hooghly.	...	...	...	11 0	11 0	11 0	120 0	120 0	120 0
Howrah.	...	...	...	12 8	12 8	13 0	100 0	100 0	100 0
Central Districts.									
Calcutta.	...	...	19 10	16 0	16 5	16 5	95 0	95 3	92 8
24-Pergunnahs.	...	...	...	17 0	17 0	18 0	100 0	100 0	100 0
Nuddea.	...	...	...	17 12½	17 5	19 6	...	...	...
Khoolna.	...	...	...	...	...	...	160 0	160 0	140 0
Jessore.	[illegible]	...	...	16 0	16 0	16 0	160 0	160 0	160 0
Moorshedabad.	...	...	...	16 0	16 8	17 12	200 0	200 0	120 0
Dinagepore.	...	...	...	15 8	15 8	15 0	160 0	160 0	160 0
Rajshahye.	...	...	...	18 12	19 8	19 1	240 0	240 0	240 0
Rungpore.	...	...	...		10 10	10 5		100 0	100 0
Bogra.	...	...	...	...	...	...	90 0	90 0	90 0
Pubna.	...	...	...	16 8	16 8	17 4	200 0	200 0	200 0
Darjeeling.	20 0	18 0	18 0	...	8 0	8 0	120 0	120 0	120 0
Julpigoree.	...	...	...	9 0	9 0	12 0	200 0	200 0	200 0
Eastern Districts.									
Dacca.	...	...	...	16 0	16 0	11 1¼	120 0	120 0	90 0
Furreedpore.	22 0	21 0	16 0	16 0	16 0	10 0	...	120 0	120 0
Backergunge.	...	...	...	Khesari, husked. 13 5	15 7	12 13	120 0	120 0	100 0
Mymensingh.	...	...	...	10 0	9 12	13 0	...	...	...

Districts	Salt: Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt: Present return.	Next preceding return.	Corresponding return of last year.
	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.
BENGAL.						
Western Districts.						
Burdwan.	[A] 11 4	11 4	t. 10 14½	3 7 0	3 7 0	3 8 9
Bankoora.	[B] 10 0	10 0	10 4	3 14 0	3 14 0	3 15 0
Beerbhoom.	[C] 10 10	10 8	10 8	3 11 6	3 12 0	3 10 0
Midnapore.	[D] 10 8	10 10	10 8	3 11 0	3 11 0	3 13 0
Hooghly.	[E] 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0
Howrah.	[F] 10 8	10 8	10 0	3 8 0	3 8 0	3 11 0
Central Districts.						
Calcutta.	11 0	11 0	10 7	3 6 0	3 6 2	3 9 3
24-Pergunnahs.	[G] 10 12	10 12	10 4	3 5 6	3 6 0	3 7 0
Nuddea.	[H] 9 13	10 10½	9 13	3 10 0	3 10 0	3 13 0
Khoolna.	[I] 9 0	9 0	8 8	4 0 0	4 0 0	4 2 0
Jessore.	[J] 9 4	9 4	9 2	3 14 0	3 14 0	4 0 0
Moorshedabad.	[K] 10 8	11 0	11 4	3 13 0	3 10 0	3 8 0
Dinagepore.	[L] 10 4	10 0	10 0	3 14 0	4 0 0	4 0 0
Rajshahye.	[M] 9 9	9 9	9 0	3 13 4	4 0 0	4 2 8
Rungpore.		9 6	9 6		4 4 0	4 4 0
Bogra.	9 0	9 6	9 0	4 0 0	4 0 0	4 2 8
Pubna.	[N] 8 15	8 15	t. 8 11 2	3 14 0	3 14 0	3 15 0
Darjeeling.	[O] 8 0	8 0	6 8	5 0 0	5 0 0	6 0 0
Julpigoree.	[P] 10 0	10 0	9 0	4 0 0	4 0 0	4 4 0
Eastern Districts.						
Dacca.	[Q] 10 0	10 0	9 8	3 13 0	3 13 0	4 2 0
Furreedpore.	[R] 10 0	10 0	10 0	3 14 0	4 0 0	3 14 0
Backergunge.	[S] 10 10	10 10	10 0	3 12 0	3 12 0	3 14 0
Mymensingh.	[T] 9 12	9 8	9 8	4 0 0	4 1 0	4 2 0

J In the subdivisions the retail prices of salt per rupee are:—Jhenida 10 seers, Magura 9¾ seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.

K In the subdivisions the retail prices of salt per rupee are:—Lalbagh 11 seers, Kandi 10 seers 10 chittacks.

L Retail price of salt at Thakurgaon is 8 seers per rupee.

M In the subdivisions the retail prices of salt per rupee are:—Nattore 9 seers and Nowgong 9 seers 9 chittacks.

N At Serajgunge the retail price of salt is 9½ seers per rupee.

O Retail price of salt at Kurseong and Silliguri is 8 seers per rupee.

P At Fallacotta in the Alipore subdivision the retail price of salt is 8½ seers per rupee.

Q In the subdivisions the retail prices of salt per rupee are:—Manickgunge 9 seers, Munshigunge 9 seers, and Naraingunge 10 seers.

R Retail price of salt at Goalundo and Madaripore is 10 seers per rupee.

S In the subdivisions the retail prices of salt per rupee are:—Patuakhali 9 seers, Perozepore 9 seers, and Bhola 8 seers.

T In the subdivisions the retail prices of salt per rupee are:—Kishoregunge 8 seers, Tangail 10 seers, Jamalpore 9½ seers, Sherpore 8 seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarters

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	***Eastern Districts*—concluded.**	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	12 0	12 0	11 0	...	...	...	12 0	11 0	11 0	16 12½	15 0	14 12	...	...	...
24	Noakholly ...	...	...	...	...	...	...	15 0	16 0	11 0	16 0	17 0	12 0	...	...	...
25	Tipperah ...	10 0	10 0	14 8	..	...	.	10 0	10 0	8 14	16 0	16 0	13 5	...	..	...
26	Chittagong Hill Tracts.	.	...	...	...	...	...	10 0	10 0	11 6¾	13 5	11 6¾	12 5	...	.	...
	BEHAR.															
27	Patna ...	18 0 15 8	Red. 18 0 White. 17 0	16 12 15 12	23 0	23 0	21 8	11 8	11 8	10 8	17 0	16 8	15 12	...	..	22 0
28	Gya ...	14 8	14 8	15 0	23 0	24 0	20 0	10 8	10 8	11 0	14 12	15 0	15 0	...	...	...
29	Shahabad ...	14 8	15 8	16 0	20 0	19 0	21 0	9 0	9 0	8 0	14 0	14 8	15 0	..	...	...
30	Durbhunga ...	16 8	15 10	16 8	24 3½	25 4	19 12	12 12	12 1	11 0	13 12	14 4	16 8	...	...	...
31	Mozufferpore ...	16 0	16 0	17 0	19 0	22 0	20 0	11 0	12 0	11 0	13 0	14 0	14 0	...	...	...
32	Sarun ...	15 8	15 12	15 8	20 8	20 8	19 0	8 8	8 8	8 8	13 11	11 6	13 0	...	...	...
33	Chumparun ..	15 8	15 8	17 0	24 8	25 0	25 0	10 0	9 0	8 0	14 0	13 0	16 0	...	...	...
34	Monghyr ...	17 0	17 5	17 13	23 0	22 5	21 0	10 8	10 12	11 8	14 8	14 6	14 11	...	...	...
35	Bhagulpore ...	16 6	16 6	17 11	24 0	24 0	22 11	12 0	12 10	Old 10 1 New. 12 10	14 8	15 2	Old. 13.14 New. 16 6	...	...	...
36	Purneah ...	18 0	18 0	18 0	16 0	14 0		14 0	16 0	15 0	18 0	18 0	17 0	...	...	...
37	Maldah ...	16 8	17 0	18 8	...	...	.	10 8	9 0	9 0	15 0	15 8	15 8	...	..	...
38	Sonthal Perghs.	11 0	11 0	13 0	.	...		13 0	13 0	13 0	15 0	16 0	17 0	...	..	...
	ORISSA															
39	Cuttack ...	13 2	11 13	15 12	...	...	...	10 8	10 8	10 8	17 1	17 1	18 6	...	...	...
40	Pooree ...	11 13	11 13	10 8	...	...	...	13 12	13 12	13 12	17 1	21 0	18 8	...	...	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	12 0	18 0	18 0	18 0	...	..	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh ..	13 0	13 0	14 0	17 0	17 0	18 0	8 0	8 0	9 0	13 8	13 8	16 0	...	...	...
43	Loharduggа ...	12 4 7 8	Red. 11 12 White. 7 8	13 4 ...	19 0	...	16 0	12 0	12 0	14 8	13 4 15 8	Ordinary. 13 8 Coarse. 16 0	18 0 20 0	...	...	...
44	Singbhoom ..	16 0	16 0	12 0	14 0	14 0	20 0	10 0	10 0	16 0	13 0	12 0	20 0	...	..	...
45	Manbhoom*		13 0	13 5	...	...	..		12 0	12 0		16 0	18 0	...	...	...

* Present return not received.

U Retail price of salt at Cox's Bazar is 8 seers per rupee.
V Retail price of salt at Fenni Hât 9 seers per rupee.
W Retail price of salt at Behar is 9¾ seers per rupee.
X In the subdivisions the retail prices of salt per rupee are :—Buxar 10 seers, Sasseram 10½ seers, and Bhabuah 9¾ seers.
Y Retail price of salt at Somastipur is 11¼ seers per rupee.
Z In the subdivisions the retail prices of salt per rupee are :—Hajipore 10¼ seers and Sitamarhi 10 seers.
a In the subdivisions the retail prices of salt per rupee are:—Sewan 11 seers and Gopalgunge 10 seers 3 chittacks.
b Retail price of salt at Bettiah is 10¼ seers per rupee.

CALCUTTA,
The 25th August, 1891.

Station Bazars of the Districts of Bengal on the 15th August, 1891—(concluded).

Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts*—concluded.
...	...	...	...	...	...	110 0	110 0	110 0	[U] 11 0	10 8	10 0	3 8 0	3 12 0	3 14 0	Chittagong.
...	...	...	8 0	8 0	8 0	...	...	...	[V] 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakhelly.
...	...	...	6 4	6 4	6 6½	...	...	...	10 0	10 0	9 6½	4 0 0	4 0 0	4 4 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
															BEHAR.
27 0	...	30 0	20 0	19 0	22 0	120 0	120 0	120 0	[W] 10 12	11 0	10 0	3 9 0	3 10 6	3 10 6	Patna.
...	...	...	16 8	17 0	20 0	160 0	120 0	200 0	9 12	9 12	9 0	4 0 0	4 0 0	4 1 0	Gya.
...	...	...	15 0	15 0	20 0	120 0	120 0	120 0	[X] 10 8	10 0	10 0	3 13 0	3 14 0	3 15 0	Shahabad.
19 12	19 0	20 14	17 0	18 11	19 12	160 0	160 0	160 0	[Y] 11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.
15 0	16 0	19 0	16 0	16 0	19 0	160 0	160 0	160 0	[Z] 11 0	11 0	10 0	3 10 0	3 10 0	4 0 0	Mozufferpore.
...	...	...	18 8	18 8	20 4	160 0	160 0	120 0	[a] 10 4	10 8	10 0	3 14 0	3 12 0	4 0 0	Sarun.
18 8	17 13	...	16 8	15 5	21 0	160 0	160 0	160 0	[b] 10 4	10 4	10 0	3 15 0	4 0 0	3 11 0	Chumparun.
...	...	24 2	18 0	18 13½	19 15	120 0	128 0	147 0	[c] 10 8	10 8	10 3	3 9 0	3 9 0	3 11 0	Monghyr.
24 0	20 3	27 13	17 10	17 10	20 3	138 14	138 14	125 8	10 11	10 11	10 1	3 12 0	3 12 0	3 12 10	Bhagulpore.
...	...	...	14 0	15 0	15 0	80 0	80 0	130 0	[d] 10 0	9 0	9 0	3 10 3	4 0 0	4 7 0	Purneah.
...	...	...	...	...	...	120 0	120 0	120 0	9 8	9 0	9 8	4 1 0	4 0 0	4 0 0	Maldah.
18 0	19 0	20 0	17 0	18 0	21 0	200 0	200 0	200 0	[e] 9 0	9 0	9 0	4 0 0	4 0 0	3 14 0	Sonthal Pergha
															ORISSA.
...	...	...	19 11	17 1	22 5	80 0	80 0	80 0	[f] 11 0	11 0	9 0	3 12 0	3 12 0	4 6 0	Cuttack.
...	...	...	18 6	17 1	18 2	80 0	80 0	80 0	11 13	11 13	10 0	3 6 0	3 6 0	3 10 0	Pooree.
...	...	...	...	...	...	160 0	160	160 0	[g] 10 0	10 0	10 0	3 14 0	3 14 0	3 14 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
16 8	17 8	22 0	15 0	16 0	21 8	240 0	240 0	240 0	[h] 8 8	8 8	8 0	4 0 0	4 2 0	4 4 0	Hazaribagh.
...	...	...	13 0 18 0	Big. 15 0 Small. 20 0	16 0 28 0	150 0	140 0	120 0	[i] 9 0	8 8	9 0	4 6 0	4 10 0	4 6 0	Lohardugga.
16 0	16 0	20 0	16 0	16 0	21 0	160 0	200 0	320 0	8 0	9 0	8 0	4 8 0	4 6 0	4 12 0	Singbhoom.
...	...	...		18 0	17 0		200 0	200 0		9 14	9 2		3 14 0	4 0 0	Manbhoom.

c In the subdivisions the retail prices of salt per rupee are:—Begusorai 9½ seers and Jamui 9 seers.
d In the subdivisions the retail prices of salt per rupee are:—Kissengunge 8 seers and Arrareah 10 seers.
e In the subdivisions the retail prices of salt per rupee are:—Pakour 10½ seers, Rajmehal 11 seers, Godda 9 seers, and Deoghur 10 seers.
f In the subdivisions the retail prices of salt per rupee are:—Kendrapara 10 seers, Jajpore 8 seers, and Banki 12 seers.
g Retail price of salt at Bhuddruck is 9 seers per rupee.
h Retail price of salt at Giridhi is 10 seers per rupee.
i Retail price of salt at Gurwa in the Palamow subdivision is 10 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 14 6	2 15 3	2 11 0	1 14 0	1 13 4	2 0 7	4 1 10	4 1 1	4 1 10	2 12 7	2 12 5	2 11 4
2	Serajgunge ...	2 5 0	2 6 0	2 4 0	...	...	...	4 0 0	4 6 0	4 12 0	2 13 0	3 0 0	2 10 0
3	Dacca ...	3 0 0	2 12 0	3 4 0	1 12 0	1 8 0	3 0 0	3 0 0	2 13 0	3 4 0	2 8 0	2 7 0	2 13 0
4	Naraingunge	...	...	...	...	...	...	2 10 0	2 8 0	3 0 0	2 8 0	2 4 0	2 12 0
5	Chittagong (Bakshi's Hât).	3 0 0	3 0 0	3 8 0	...	...	...	3 4 0	3 8 0	3 8 0	2 6 3	2 10 0	2 12 0
6	Patna ...	2 3 0 2 9 0	Red. 2 3 0 White. 2 5 3	2 5 6 2 8 0	1 11 6	1 11 3	1 13 0	3 8 0	3 9 6	3 12 0	2 5 0	2 7 0	2 8 0
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	2 3 0	2 3 0	2 0 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	2 4 0	1 14 3	2 2 9
9	Cuttack ...	3 0 0	3 4 0	2 5 0	...	...	...	3 10 0	3 10 0	3 10 0	2 2 0	2 2 0	2 2 0

CALCUTTA,
The 25*th August*, 1891.

in the undermentioned Marts of Bengal on the 15th August, 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 0 9	1 15 1	1 15 5	...	...	1 12 3	2 3 6	2 3 3	2 3 4	0 5 9	0 5 9	0 5 9	3 6 0	3 6 2	3 9 3	Calcutta.
2 2 0	2 2 0	2 4 0	...	...	...	...	...	...	0 8 0	0 6 0	0 6 0	4 0 0	3 11 0	3 11 0	Serajgunge.
2 7 0	2 7 0	3 4 0	...	...	...	2 6 0	2 5 0	3 8 0	0 5 0	0 5 0	0 6 0	3 13 0	3 13 0	4 2 0	Dacca.
3 12 0	3 12 0	3 8 0	...	...	...	4 8 0	4 8 0	3 8 0	0 8 0	0 8 0	0 8 0	3 13 0	3 10 0	3 12 0	Naraingunge.
2 14 0	3 0 0	3 0 0	...	...	...	.	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 12 0	3 14 0	Chittagong (Bakshi's Hat)
1 13 0	1 12 6	1 15 6	1 6 6	...	1 5 0	2 0 0	2 1 3	1 12 0	0 5 4	0 5 4	0 5 6	3 9 0	3 10 0	3 10 6	Patna.
2 12 0	2 12 0	2 12 0	...	...		...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore.
...	...	...	...		.	...	...	.	...	...	...	3 6 0	3 6 0	3 10 0	Pooree.
2 5 0	(kalai). 2 5 0	2 10 0	..	.	..	2 0 0	2 2 0	1 10 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	4 6 0	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Benga[l]

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·673	29·622	—	N	182	89·7	17, 19 Aug.	77·6	18, 19, 20 Aug.	88·1	78·3	83·3	—	81·1
		Gopalpore ..	29·681	29·642	+·080?	Wly	209	87·7	17th ,,	78·8	19, 20, 22 ,,	86·3	79·4	82·9	+0·2	82·6
		False Point ..	29·681	29·644	+·040	Wly	182	91·5	19th ,,	76·1	19th ,,	87·9	77·1	82·5	+0·3	81·5
	Cuttack	Cuttack ...	29·615	29·638	+·042	Wly	59	93·4	19, 20 ,,	75·8	17th ,,	90·8	77·3	84·1	+0·5	82·4
	Balasore	Balasore .	29·624	29·625	+·037	Variable	114	9[illegible]·4	17, 18, 19 ,,	77·7	19th ,,	89·3	78·6	84·0	+2·2	82·5
South-West Bengal.	South-West Midnapore / South 24-Pergunnahs	Saugor Island	29·660	29·6[illegible]9	+·032	Variable	278	90·7	21st ,,	78·5	21 & 22 ,,	88·3	79·6	83·9	+0·9	82·3
	Midnapore	Midnapore ..	29·559	29·633	+·032	S	184	92·3	18, 21 ,,	78·1	16, 17, 18 ,,	90·8	78·8	84·8	+1·8	82·4
	24-Pergunnahs / Howrah / Hooghly	Calcutta ...	29·669	29·636	+·036	Ely	96	90·[illegible]	21st ,,	77·7	16th ,,	87·0	79·1	83·4	+1·0	82·8
	Burdwan	Burdwan ..	29·600	29·646	+·040	E & Calm	75	91·1	18th ,,	78·4	16th ,,	89·5	79·8	84·7	+0·9	82·0
	Bankoora	Bankoora ..	29·376	29·622	+·036	Variable	74	91·[illegible]	19th ,,	77·1	16, 21 ,,	88·5	78·1	83·3	+0·6	81·4
	Beerbhoom / West Burdwan	Raneegunge	29·362†	29·65[illegible]†	+·049†	SEly	36*	9[illegible]·5*	19th ,,	77·8	16th ,,	87·5*	78·9*	83·2*	+0·2*	81·3†
	Moorshedabad	Berhampore ..	29·629	29·644	+·035	Ely	77	89·6	17, 20, 22 ,,	77·3	16 & 17 ,,	88·7	78·7	83·6	+0·2	80·7
	Nuddea	Krishnaghur ..	29·646	29·641	+·044	SEly	113	90·3	20, 21 ,,	77·2	16th ,,	89·4	78·8	84·2	+1·4	82·4
	Jessore / Khoolna	Jessore ..	29·671	29·651	+·035	SEly	90	90·2	21st ,,	77·4	16, 19 ,,	88·7	78·8	83·8	+0·4	82·3
East Bengal.	Chittagong	Chittagong ...	29·668	29·702	+·025	SEly	109	88·7	22nd ,,	75·6	16, 17, 18 ,,	86·0	76·3	81·6	+1·1	80·8
	Chittagong Hill Tracts	Demagiri ..						Observations not received.								
	Backergunge	Barrisal .	29·695	29·652	+·038	S	94	88·3	18th Aug.	76·8	10, 18 ,,	87·2	77·7	82·4	+0·9	81·9
	Noakhally...	Noakhally ...	29·703	29·695	+·041	SE	190	87·0	21, 22 ,,	76·8	22nd ,,	85·4	77·9	81·7	+0·5	81·1
	Furreedpore	Furreedpore ..	29·691	29·681	+·013	SEly	04	88·5	17, 18, 22 ,,	77·4	22nd ,,	87·4	78·7	83·0	+0·5	81·5
	Dacca	Dacca ..	29·702	29·672	+·037	SEly	176	89·1	21, 22 ,,	78·2	19, 20, 22 ,,	87·8	78·7	83·3	0	81·0
	Commillah	Commillah ..	29·713	29·696	+·011	SE	85	90·4	21st ,,	75·8	16, 17, 20 ,,	87·4	76·6	82·0	−0·1	79·8
	Mymensingh	Mymensingh	29·674	29·683	+·034	ESE	114	87·7	21st ,,	74·1	19th ,,	85·1	77·1	81·2	−1·7	79·8
North Bengal.	Bogra	Bogra ..	29·633	29·646	+·051	SE	73	90·3	18th ,,	71·2	19th ,,	86·9	77·8	82·4	−0·8	81·6
	Pubna	Serajgunge ..	29·671	29·66[illegible]	+·032	SEly	73	88·6	18, 21 ,,	76·2	19th ,,	86·3	78·3	82·3	−0·8	80·6
	Rajshahye	Rampore Beauleah.	29·628	29·647	+·044	SEly	80	87·8	17th ,,	75·[illegible]	17th ,,	86·1	77·3	81·7	−1·0	81·1
	Maldah	Maldah ..	?	?	?	SE	74	93·8	17th ,,	76·9	19th ,,	90·8	79·1†	85·1†	—	83·4
	Dinagepore	Dinagepore .	29·[illegible]87	29·657	+·021	E	35	90·1	2[illegible]th ,,	77·7	16th ,,	87·2	78·3	82·8	−1·1	80·6
	Rungpore	Rungpore ..	29·607	29·684	+·054	Ely	42	90·8	20th ,,	75·2	19th ,,	87·9	76·6	82·2	−1·5	79·4
	Julpigoree / Cooch Behar	Julpigoree	29·434	29·671	+·050	?	80	89·4	22nd ,,	74·1	17th ,,	86·4	75·4	80·9	−1·6	79·4
	Darjeeling Hill Tracts..	Darjeeling ...	22·954		+·018	Ely	62	64·1	20 & 21 ,,	55·0	16, 19, 21 ,,	63·1	56·5	59·8	−1·6	59·1†
North Behar.	Purneah / North Bhagulpore	Purneah ..	29·579	29·658	+·047	Calm	28	90·2	17th ,,	75·[illegible]	19th ,,	88·6	76·5	82·5	−1·0	80·3
	Mozufferpore	Mozufferpore	29·491	29·625	—	ENE	148	90·8	22nd ,,	75·2	19th ,,	88·4	78·4	83·5	—	80·5
	Durbhunga	Durbhunga ..	29·542	29·661	+·019	ESE & ENE	107	91·4	22nd ,,	76·0	20th ,,	88·4	78·1	83·3	−0·7	81·4
	Chumparun	Motihari ..	29·456	29·637	+·023	ESE & ENE	177	92·2	22nd ,,	75·9	19, 20 ,,	88·5	77·3	83·0	−1·1	80·6
	Sarun	Chupra ..	29·493	29·696	+·049	E	122	91·8	22nd ,,	77·1	19th ,,	89·0	78·4	83·7	+0·3	82·2
South Behar.	Shahabad	Dehree ..	29·369	29·611	+·019	SEly	69	91·3	22nd ,,	77·0	16th ,,	88·1	78·3	83·2	+0·9	82·9
		Buxar ..	29·426	29·618	+·029	Variable	222	90·9	22nd ,,	75·8	20th ,,	88·0	77·5	82·7	−1·5	82·0
		Arrah ..	29·472	29·612	+·039	Ely	33	91·4	22nd ,,	77·6	16 & 17 ,,	88·9	78·8	83·9	−0·4	82·4
	Gya	Gya ..	29·300	29·628	+·040	E	120	90·4	22nd ,,	77·3	17th ,,	88·8	78·9	83·8	−0·3	80·9
	Patna	Bankipore ..	29·403	29·627	+·026	E	132	91·4	17, 22 ,,	77·2	19th ,,	89·0	79·1	84·1	−0·4	82·4
	South Bhagulpore / Monghyr	Bhagulpore ...	29·523	29·638	+·045	Ely	30	90·2	17th ,,	77·0	19th ,,	87·8	78·2	83·0	−0·7	81·8
Chutia Nagpur.	Sonthal Pergunnahs ...	Doomka ...	29·205	29·648	+0·51	Ely	92	89·3	22nd ,,	75·3	20th ,,	87·2	76·9	82·0	−0·1	82·1
	Hazaribagh	Hazaribagh ...	27·697	29·640	+·046	WNW & SSE	150	85·2	19th ,,	72·3	17th ,,	83·5	73·2	78·4	+0·2	76·5
	Lohardugga / Manbhoom	Rancheo ..	27·570	29·626	+·039	Calm & W	178	85·5	19 & 20 ,,	71·9	17th ,,	83·9	72·7	78·3	+1·4	76·8
	Singbhoom	Chyebassa *...	28·924	29·627	+·051	Calm	30	91·4	19th ,,	75·2	17th ,,	89·8	76·8	83·3	+1·5	80·9
Assam.	Sibsagar	Sibsagar ...	29·300	29·677	—·005	Ely		90·1	21st ,,	76·0	16 & 17 ,,	88·5	77·1	82·9	−1·3	80·1
	Goalpara	Dhubri ...	29·615	29·685	+·042	Variable	106	88·2	22nd ,,	74·8	19th ,,	85·8	76·4	80·8	−2·0	78·1
	Cachar	Silchar ...	29·659	29·714	+·035	Calm		91·5	18, 19, 21 ,,	75·0	17, 23 ,,	89·5	76·7	83·1	+0·1	79·0

* Mean of 5 days. † Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 22nd of August 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District Observations. Rainfall. Of week. Mean for district.	Normal mean.	Since 1st of month. Mean for district.	Normal mean.	Variation.	Since 16th May 1891. Mean for district.	Normal mean.	Variation.	Of week. Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
87	7·0	1·81		2·40		8·34			31·67			3·70	Pooree ...	Pooree	Orissa.
85	3·6	2·87											Gopalpore ...		
90	7·9	0·59											False Point ...		
80	7·0	7·19		2·69		8·07			33·03			3·70	Cuttack ...	Cuttack	
90	3·3	1·32		2·54		8·34			33·69			3·67	Balasore ...	Balasore	
90	8·7	0·23	0·47	3·55	15·17	10·88	+4·29	40·89	39·22	+1·67	2·00	4·10	Saugor Island ...	South-West Midnapore South 24 Pergunnahs	South-West Bengal.
87	3·1	1·74	1·03	3·40	16·22	9·69	+6·53	40·73	35·51	+5·22	2·33	3·41	Midnapore ...	Midnapore	
88	8·3	0·52	1·89	3·01	10·51	9·80	+0·71	30·57	35·71	—5·14	2·40	3·93	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
86	9·3	2·41	1·70	2·90	10·15	9·01	+1·14	36·68	31·89	+4·79	3·33	3·42	Burdwan ...	Burdwan	
89	7·9	1·79	2·41	3·91	13·30	10·06	+3·24	39·29	37·62	+1·67	3·75	4·48	Bankoora ...	Bankoora	
90†	3·0†	0·87	2·97	3·04	11·31	9·27	+2·04	35·61	35·70	—0·09	4·00	4·01	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
95	9·3	0·95	0·54	2·31	3·60	8·11	—4·51	30·75	32·37	—2·62	1·16	3·49	Berhampore ...	Moorshedabad ...	
88	8·1	0·53	1·39	2·82	6·91	9·19	—2·28	31·70	33·11	—1·41	2·60	3·34	Krishnagur ...	Nuddea	
91	9·1	0·54	1·11	2·73	5·85	9·08	—3·23	32·86	36·63	—3·77	2·63	3·63	Jessore ...	Jessore ... ... Khoolna	
86	8·6	0·19	0·73	4·45	15·68	18·32	—2·64	73·60	84·99	—11·39	2·50	3·93	Chittagong ...	Chittagong	East Bengal.
			0·39	3·69	6·02	13·22	—7·20	51·90	57·81	—5·91	2·00	5·15	Domagiri ...	Chittagong Hill Tracts	
87	7·4	1·54	1·94	3·08	9·76	11·52	—1·76	43·98	53·63	—9·65	4·50	4·50	Barrisal ...	Backergunge	
89	1·9	1·30	1·24	5·45	9·03	19·24	—10·21	55·70	76·06	—20·27	4·00	4·91	Noakhally ...	Noakhally	
91	6·7	1·30	1·25	2·82	4·77	8·83	—4·06	30·01	38·18	—8·17	2·33	3·66	Furreedpore ...	Furreedpore	
90	9·3	2·18	2·75	2·85	8·36	9·27	—0·91	41·86	41·07	+0·19	4·25	3·79	Dacca ...	Dacca	
89	4·7	1·66		3·42		11·90			47·52			4·02	Commillah ...	Commillah	
94	8·3	5·35		2·92		9·69			46·11			3·98	Mymensingh ...	Mymensingh	
89	7·4	2·21	2·54	2·20	5·38	8·00	—2·62	30·93	38·37	—7·44	3·00	3·30	Bogra ...	Bogra	North Bengal.
94	8·6	3·84	2·34	3·03	4·96	8·82	—3·86	28·94	34·59	—5·65	4·00	3·25	Serajgunge ...	Pubna	
91	6·4	3·72	3·83	2·22	7·21	7·31	—0·10	35·49	34·59	+0·90	3·33	3·34	Rampore Beauleah	Rajshahye	
89†	4·7	0·07	0·13	2·52	2·72	7·88	—5·16	25·69	35·57	—9·88	0·50	3·49	Maldah ...	Maldah	
91	8·7	0·70	1·79	2·00	4·45	8·07	—3·62	35·87	38·47	—2·60	2·40	3·45	Dinagepore ...	Dinagepore	
92	4·0	3·14	1·34	2·40	3·47	8·57	—5·10	45·76	50·70	—4·94	2·50	2·91	Rungpore ...	Rungpore	
96	4·4	7·02	5·50	3·95	9·14	15·52	—6·38	57·05	76·44	—18·76	3·00	3·93	Julpigoree ...	Julpigoree ... ... Cooch Behar	
98	9·9	7·57	6·29	5·80	13·14	20·45	—7·31	61·92	92·05	—30·13	6·25	5·12	Darjeeling ...	Darjeeling Hill Tracts	
93	9·4	0·50	2·05	3·17	5·08	9·83	—4·75	29·33	38·70	—9·37	3·00	3·46	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
92	7·1	2·07	2·18	1·80	5·59	7·12	—1·58	30·99	28·15	+2·84	3·00	2·66	Mozufferpore ...	Mozufferpore	
88	7·0	0·74	1·04	1·86	8·41	7·17	+1·24	32·28	28·86	+3·42	2·67	2·54	Durbhunga ...	Durbhunga	
89	8·9	6·68		2·01		8·76			30·61			2·97	Motihari	Chumparun	
90	5·9	0·92	0·76	1·67	5·90	6·80	—0·90	24·47	27·31	—2·84	1·67	2·49	Chupra ...	Sarun	
83	6·0	2·42											Dehree ...	Shahabad	South Behar.
88	7·6	1·85	1·51	2·40	10·25	7·95	+2·30	18·66	26·86	—8·20	3·80	3·06	Buxar ...		
89	3·6	1·20											Arrah ...		
90	7·4	4·01	2·03	2·94	9·01	8·31	+0·70	25·28	28·97	—3·69	3·50	2·95	Gya ...	Gya	
86	9·4	0·44	2·31	2·35	6·39	7·33	—0·94	29·87	28·08	+1·79	2·50	2·88	Bankipore ...	Patna	
93	8·6	0·50	1·64	2·30	9·46	7·86	+1·60	33·34	29·04	+4·30	2·60	3·28	Bhagulpore ...	South Bhagulpore ... Monghyr	
85	2·3	3·83	2·85	2·63	8·52	8·71	—0·19	33·39	33·83	—0·44	3·33	3·71	Doomka ...	Sonthal Pergunnahs ..	
89	9·7	2·65		3·45		9·93			34·83			4·36	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
83	8·9	2·06	1·56	3·43 2·87	8·81	9·79 9·42	—0·61	33·21	33·74 32·89	+0·35	4·00	4·14 4·13	Ranchi ...	Lohardugga ... ... Manbhoom	
85	9·0	4·53	4·13	2·78	15·37	9·83	+5·54	32·16	36·69	—4·53	3·00	3·80	Chyebassa ...	Singbhoom	
92	9·1	3·65											Sibsagar	Assam	Assam.
94	9·9	4·98											Dhubri		
93	9·4	6·75											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 22nd of August 1891.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 16th August.	Monday, 17th July.	Tuesday, 18th August.	Wednesday, 19th August.	Thursday, 20th August.	Friday, 21st August.	Saturday, 22nd August.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ..	Pooree ...	Pooree ...	......	......	0·40	0·22	0·25	0·10	1·05	5	2·02	2·02	9·16	6·28	17·38	27·07
		Khurdah ...	......	......	0·25	2·87	3·03					2·56		8·73		34·28
		Banpur ...										2·25		8·70		38·88
		False Point ...	0·06	0·35	0·01	0·09	......	......	0·08	1	0·30	3·14	11·94	9·65	31·01	38·50
		Gop ...										?		?		?
		Satpara ...	......	0·24	1·83	·5						?		?		?
		Pipli .										?		?		?
	Cuttack	Jagatsingpore	......	0·39	......	0·73	0·07					2·10		7·76		28·32
		Banki ...	0·03	0·35	0·52	1·90	0·72	0·89	3·00	5	6·57	3·83	17·68	8·00	35·02	31·86
		Cuttack ...	......	1·20	0·38	0··3	0·07	1·59	0·61	5	3·70	2·41	15·76	8·15	30·15	36·94
		Kendrapara ...	......	0·06	0·74	0·86	1·21	0·23	0·31	3	1·31	2·81	13·69	8·19	33·94	31·37
		Jajpore ...	......	......	0·39	......	0·57	......				2·30		7·53		34·64
		Dharmsala										?		?		?
		Salipore	......	... ..	......	1·75						?		?		?
	Balasore	*Akhoyapada* ..	...	0·03	0·18	... ..	1·85	0·19	0·40	4	2·60	?		?		?
		Chandbali ..	0·06	...	......	... .	1·10	1·06	0·20	3	2·4[illegible]	1·99	13·47	7·53	20·32	31·70
		Bhuddruck ...	...	0·69	... ..	0·85	......	... .	.....	2	1·45	2·05	13·20	7·5[illegible]	33·34	32·51
		Sorah ...	1·00	0·20	. ...	..	0·70	0·10	0·30	5	2·90	2·01	16·30	8·12	31·20	31·26
		Balasore ..	......	0·23	0·09	0 02	......	......	0·30	2	0·64	2·72	14·50	9·24	34·00	35·08
		Jellasore ..										2·29		8·06		33·94
		Baripodah ..										4·20		9·56		36·22
SOUTH-WEST BENGAL.	Midnapore	Contai ...	0·03	......	0·09	0·05	0·01	......	0·23	1	0·41	3·19	11·38	9·94	29·90	37·83
		Saugor Island	0·16	0·07	......	... ..	... ..	.. ...	......	1	0·23	3·36	17·48	11·?3	48·27	41·38
		Tumlook ..	0·03	0·20	0·00	......	0·04	.. ..	......	2	1·17	4·16	15·26	10·02	41·06	34·92
		Midnapore ..	... .	0·41	0 05	......	... .	0·09	......	1	0·55	2·74	18·55	8·53	37·15	33·25
		Ghattal ...	0 02	.. .	0 1[illegible]	......	0·79	0·23	0·23	4	1·37	3 30	14·80	10·53	43·08	38 33
		Kukrahaty ...	. .	1·03	... ..	......	...	... ..	... ..	1	1·03	?	12·47	?	28·13	?
		Garbetta ...	......	0·50	0·55	......	... ..	0·45	......	3	1·50	?	12·31	?	36·69	?
	24-Pergunnahs	Diamond Harbour ..	......	0·16	0·17	......	......	0·13	0·30	4	0·74	4 09	16·66	10·85	44·59	38·40
		Canning Town	... ..	0 21	0·10	......	... ..	1·10	0·25	4	1 66	?	10·78	?	29·61	?
		Alipore Jail ..	0·04	0·04	0·15	0·06	0·12	0·01	.. .	2	0·12	3 20	11 88	10·30	29·52	37 56
		Barrackpore...	......	2·55	......	... ..	. .. .	......	0·28	2	2·83	2 73	10·75	9·44	31·23	35·64
		Dum-Dum ...	......	0·76	0·06	2·66	...	......	0·20	3	3·68	2·95	11·01	9·82	26·34	35·43
		Baraset ..	... ..	1·85	... .	0·08	0·80	0·06	0 10	3	2·89	2·84	12·26	8·08	34·63	32·78
		Buseerhat ...	0·12	...	1·39	0·08	......	... ..	... ..	2	1·59	3·01	8·05	10 25	31 11	37·01
	Howrah ..	Howrah	......	0·43	......	0·05	......	0·01	0·57	2	1·06	3·05	9·64	9·12	27·17	34·81
		Mohesreka ... (*Ooloberiah*)	0·03	......	......	......	......	0·04	0 10	1	0·17	3·65	9·64	9·73	29·44	35·99
	Hooghly ..	Serampore ...	......	2·70	......	0·02	......	0·05	0·23	2	3 00	2 87	11·08	9·55	30·90	35·38
		Hooghly ..	.. ..	1·62	0 37	......	0·02	0·25	.. ..	3	2·26	2·90	8·17	9·47	29 75	34·30
		Juhanabad	......	0·12	0·10	......	......	0·54	0·19	4	0·95	2 03	10·76	11·39	34·76	37 56
	Burdwan ..	Culna ..	0·15	... ..	0·42	......	....	0·34	0·43	4	1·34	2·78	9·62	9·08	34·50	31·03
		Burdwan ...	0·15	0·22	1·53	......	0·03	... ..	0·48	4	2·41	2·?2	13·78	9·20	41·43	32·22
		Cutwa	.. .	1·08	... ..	.. ..	......	0·24	0·03	2	1 35	3 19	7·07	8·77	34·11	32 44
		Raneegunge	0·15	0·58	.. .	0·04	.. ...	0·13	0·10	4	1·30	3 16	12·94	9·89	38·05	35 08
		Mankur ..	.. ...	... ..	......	... .	0·16	......	.. ...	1	0 16	?	17·08	?	42·38	?
	Bankoora	Bankoora .	0·01	0·84	.. ...	0·26	0·02	0 58	0·08	3	1·79	3·24	12·80	10·21	36·73	36·19
		Bishenpore ..	.. .	0 15	0 09	0·25	1·31	0·51	..	4	2 65	4·05	16·30	10 3[illegible]	43·75	37 80
		Manara .		0·12	0·16	......	0·02	0 95	0 29	4	1 45	3·61	13 [illegible]9	9 72	44·52	37·88
		Khatra ..	0·20	2 8[illegible]	...	.. .	0·25	..	0·48	4	3·75	4 15	10 69	9·96	33·35	39·09
		Indas .	.. .	0·21	0·30	0·06	.. .	0·04	0·08	2	0·69	?	10·12	?	37 01	?
		Kotalpore .	...	0 32	... ..	......	0·[illegible]2	0·92	0·15	4	1 51	?	15·77	?	30·87	?
		Anda	2 57	0·04	......	0 02	0·52	0·02	...	2	3 17	?	19·65	?	29·30	?
		Gangajalghati	. .	0·31	......	......	... .	0·48	0 33	3	1 10	?	10 44	?	40·25	?
		Raipore ...	1·15	4·15	... ..	......	0·45	0·84	0·[illegible]8	5	7·17	?	17·04	?	48·50	?
		Sonamukhi	......	2 03	0·24	......	0·41	0·67	0·22	5	3 57	?	16·04	?	44 05	?
	Beerbhoom	Bh. Soory ..	0 08	0·10	1·74	0·87	0·64	0·05	1·12	5	4·60	3·41	13 47	0·43	30 16	36·7[illegible]
		Hetampore .	0·01	0·17	0·27	1·47	0·13	0·13	0·03	5	2 23	2 96	10·78	8 73	35·09	37·8[illegible]
		Rampore Haut	0·07	0·69	1·61	.. ..	0·01	......	1 35	3	3·73	2·64	8·04	9·04	30·01	33·3[illegible]
		Bolpore .	......	0·21	......	0 70	......	0·05	0·28	3	1·24	?	15·27	?	39·16	?
		Murarai ..	......	......	......	0 21	......	... ..	... ..	1	0·21	?	3·08	?	20·07	?
	Nuddea ..	Ranaghat .	0 06	0·02	0·82	0·01	0·14	......	0·07	2	1·12	2·77	8·93	9·55	30·46	33·2[illegible]
		Kishnaghur ...	0·03	0·06	0·44	......	......	......	. . . .	1	0·53	2·80	4·28	8·90	32 58	30 8[illegible]
		Choomdanga .	1·02	0·32	0·17	......	......	0·09	. .	3	1·61	2·69	9·94	9·51	34·25	33 6[illegible]
		Meherpore ...	0·28	0·03	0·12	....	0·30	0·10	0·03	4	0·86	2·78	5·86	8·99	33·51	32 2[illegible]
		Kooshtea	0·19	......	2·34	0·25	0·08	......	......	3	2·86	3·04	5·59	8·99	27·81	35 5[illegible]
	Khoolna ..	Satkhira	0·04	0·16	0·45	0·48	0·02	......	......	3	1·15	3·17	7·16	9·79	35·06	38·7[illegible]
		Bagirhat ..	... ..	. . . .	1·78	0·21	0·25	......	......	3	2 24	2·[illegible]2	7·74	9·21	41·37	42·[illegible]
		Khoolna ..	......	0·10	0·23	0·26	0·77	......	0·08	4	1·41	2·11	6·38	8·87	28·27	36·[illegible]
		Nakipur ..										?		?		?
		Rampal	......	. .	0·35	1·50	......	0·50	......	3	2·35	?	9·12	?	20·03	?
	Jessore ...	Narail	. ..	0·31	0·42	0 03	... ..	......	0·06	2	0 82	1·96	3·79	8·16	28·44	32·[illegible]
		Jessore ..	0·03	0·12	0·02	0·08	......	0·23	0·06	2	0·54	2·73	7·69	9·27	34·56	37·[illegible]
		Jhenidah ..	0 03	......	0·06	0·19	......	......	......	1	0·28	3·31	3·19	9·54	20·47	36·[illegible]
		Magoorah ..	0·28	......	.. ...	......	0·05	0·04	0·25	2	0·62	1·83	3·00	7·40	32·58	33·[illegible]
		Bongong ..	0·16	1·12	0·45	......	......	......	0·10	4	1·82	4·08	7·87	10 27	32·84	34·[illegible]
	Moorshedabad	Kandi ...	....	0·94	......	....	......	......	......	1	0·94	2·22	4·24	7·77	27·08	32·[illegible]
		Berhampore ...	......	0·90	......	......	......	......	0·05	1	0·95	2·49	4·30	8·59	28·90	32·[illegible]
		Lalbagh ...	......	.... .	......	......	.. ...	0·04	......	Nil	0·04	2·07	2 83	8·61	30·57	30·[illegible]
		Azimgunge ...	......	0·10	......	. ..	0·18	0·25	......	3	0·53	2 30	3·38	8·79	26·67	32·[illegible]
		Jungipore ...	......	0·34	. ..	......	... ..	......	......	1	0·34	2 40	3·34	7·49	32·00	31·[illegible]
		Lalgola ...	0·45	......	. ..	......	......	......	......	1	0·45	2·21	3·40	7·30	35·14	33·[illegible]
		Azimgunj ...	0·25	1·72	0·17	......	......	0·09	......	3	2·23	?	6·48	?	34·17	?
		Patkabari ...	1·35	......	......	......	0·45	......	0·30	3	2·10	?	6·55	?	33·80	?
EAST BENGAL	Chittagong	Cox's Bazar ...	......	0·40	0·37	0·03	0·40	......	0·15	4	1·35	5·50	22·53	22·13	86·97	101·[illegible]
		Chittagong ...	... .	... ..	.... .	......	0·10	......	......	1	0·10	3·40	8·79	14 48	60·15	68·[illegible]
		Kutubdia ...	......	0·8	0·23							?		?		?
		Satkanya ...	......	......	0·34	......	0·87	0·02	......	2	1·23	?	12·40	?	82·08	?
	Chittagong Hill Tracts.	Rangamati ...	......	......	......	0·21	0·15	......	0·03	2	0·30	3·69	6·02	13·22	51·90	57·[illegible]
		Bundarban ...	... ..	......	......	......	1·76	0·28	......	2	2·04	?	5·02	?	87·05	
	Backergunge	Patuakhally...	......	......	0·55	0·42	0·10	......	......	3	1·07	3·22	13·13	12·02	40·24	61
		Perozepore ...	......	0·22	0·11	1·05	......	......	0·32	4	1·70	2·08	11·11	11·17	47·67	47
		Burrisal	0·06	0·27	0 04	0·22	......	0·23	0·20	5	1·62	2·53	6·51	9·44	37·97	46
		Bhola ...	0·55	0·19	0·85	1·51	0·12	......	0·15	6	3·37	3·07	8·28	13·43.	41·03	58

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 22nd of August 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 16th August.	Monday, 17th August.	Tuesday, 18th August.	Wednesday, 19th August.	Thursday, 20th August.	Friday, 21st August.	Saturday, 22nd August.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL —concld.		*Gournaddi* ..	......	......	1·28	0·39	... .	......	0·11	3	1·78	?	9·66	?	34·97	?
		Bauphal ..	......	......	0·80	......	0·62					?		?		?
	Noakholly ...	Noakholly .	......	0·23	0·14	0·40	0·24	......	0·30	5	1·31	5·84	11·27	19·13	57·78	75·96
		Fenny .	0 10	...	0·43	0·60	......	......	0·04	3	1·17	5·06	6·77	19 35	53·83	76·11
		Harishpore ...	......	1·05	......	0·15						?		?		?
		Ramganj ...	......	0·52	1 50	0·20						?		?		?
	Furreedpore	Madaripore ..	......	......	2·31	0·87	.. ...	0·23	......	3	3·41	2·55	6·59	9·09	31·55	39 23
		Furreedpore ...	... ..	......	0·61	0·07	0·37	0·10	0·04	3	1·19	3·16	5·86	9·07	34·77	30·13
		Goalundo	0·02	......	0·11	......	......	0·02	. ....	1	0·15	2 74	2·86	8·32	25·20	36 17
	Dacca ...	Munshigunge	......	......	0·60	1·33	0·10	0·25	0 15	5	2·43	2 71	8·75	11·11	38·26	47·80
		Dacca .	......	..	1·45	0·25	0·50	......	0·27	4	2·47	2·74	7·72	8·78	46·57	40 54
		Narainganj	0·24	0·03	1·57	2·22	..	......	0·19	4	4·25	3·65	11·71	8·94	48·22	44 04
		Manickgunge	0·10	0·08	0·40	0·93	0·23	... ..	0·09	4	1·86	2·28	5·45	8·23	34·63	34·29
		Joydebpore	0·22	0·04	1·57	0·43	0·13	0·01	0·59	5	2·90	?	8·36	?	41·00	.
	Hill Tipperah	Agartola ..										3·05		9·72		41·10
	Tipperah ...	Comilla ...	......	0·95	0·80	0 45	......	......	0·15	4	2·33	3·40	6·47	12 80	45·56	55·24
		Chandpore ...	......	0·15	1·10	1·20	......	0·10	0·22	5	2·77	4·23	12·17	15·72	41·43	52·70
		Brahmunberia	......	0·48	0·65	0·24	0·35	......	1·12	5	2 84	2·99	4·61	9·48	44·27	40 95
		Ramchandrapore ...	......	0·12	0·72	0·43	......	......	0·30	4	1·87	?	4·69	?	42·55	?
		Nasirnagar ...										?		?		?
		Daudkandi ..	......	......	1·43	......	... ..	1·12	0·46	3	3·01	?	7·89	?	41·55	?
		Kasba ...	......	0·13	0·63	0·53	0·14	......	0·26	5	1·60	?	6·34	?	?	?
		Lakeham ..	......	.... .	1·00	0·50	......	......	0·05	2	1·55	?	6 45	?	50·15	?
	Mymensingh..	Kishoregunge	......	0·21	1·77	1·92	0·83	0·42	0·99	6	6·14	2 78	9·01	9·51	66·00	46·91
		Atia (*Tangail*)	.. ..	... ..	0·41	0·19	0·11	... .	0·13	4	0·84	2 76	2·82	8·93	32·35	36·89
		Mymensingh	0·17	0 66	0·13	2·16	1·46	0·09	1 83	6	6·53	2·96	8·64	9·88	44·78	49·50
		Jamalpore ..	0·30	0·15	1·79	......	4·40					3·07		9·33		41·40
		Netrokona ..	......	0 23	0·31	3·13	0·59	0·71	0·76	6	5·73	3·00	11·05	10·83	69·22	55·56
		Subornakhally	......	...	......	5·30	0·57	...	... ..	2	5·87	?	8 20	?	31·06	?
		Durgapore ...	0·20	1 30	0·26	2·82	0·50	0·10	0·60	7	5·78	?	13·19	?	73·20	?
		Sherepore Town	......	.....	0·68	0·59	2·80	1·02	0·25	5	5 34	?	13·28	?	57·05	?
		Dewanganj .	......	0·23	1·69	0 21						?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	0·10	0·05	0·11	0·19	0·31	0·07	.....	4	0·83	3·37	3·88	9·40	23·17	34 43
		Seraigunge ..	0·26	......	0 37	2 09	1·08	......	0·04	4	3·84	2·69	6·01	8·23	34·63	34·68
	Bogra ...	Sherepore .	0·88	.. ..	......	1·31	......	......	... ..	2	2·10	2·54	4·45	9·09	23·69	39·65
		Nowkhilla ...	0·20	......	0·49	1·42	0·06	......	......	3	2·17	1·50	4·16	7·25	33·43	35·82
		Bogra ..	0·62	0·14	0·50	0·95	......	... ..	......	4	2·21	2 99	4·04	8·68	30·91	41·77
		Panchbibi ..	0·06	0·10	2·82	0·61	......	......	......	3	3·59	1·69	8·26	6·97	35·70	36·20
	Rajshahye ...	Beauleah .	0·06	1·79	1·12	.....	0·55	0·09	0 03	4	4·24	2·34	6·67	8·23	36·06	33 44
		Nattore .	......	......	3·25	0·20	2·57	0·40	......	4	6·42	2·65	11·09	8·11	44·32	34·63
		Naogaon ..	......	0·40	0·07	... .	0·28	... .	......	2	0 81	1·67	2 41	5·69	25·89	35·71
		Lalpore ...	......	......	2·50	2 92	. ...	......	......	2	5·42	?	10·96	?	31·87	?
		Mande .	......	......	.....	0·35	......	......	... ..	1	0·35	?	3·48	?	21·65	?
	Maldah ...	Maldah ...	......	......	......	0·06	0·01	......	... ..	Nil	0·07	2·34	4·71	6·81	27·68	32·85
		Chanchal ...	......	......	......	... .	0·98	......	......	1	0·98	2·69	3·12	8·93	23·62	38·26
		Gajol ...	......	......	... ..	1·18	0·10	......	... ..	2	1·28	?	3·31	?	30·82	?
		Sibganj ...	......	......	......	0·05	......	.....	0·20	1	0·25	?	4 09	?	35·77	?
	Dinagepore ..	Mohadebpore	......	......	... ..	1·15	0·20	......	.... .	2	1·35	2·02	4·58	9·31	23·37	37·95
		Churamon ...	......	......	1·79	0·16	1·17	......	......	3	3·12	2·03	4·63	6·80	36·44	34·04
		Raigunge ..	......	......	......	0·52	1·32	......	......	2	1·84	1·72	4·93	8·79	40 88	39·40
		Dinagepore .	......	.... .	1 01	......	... ..	0·16	.. ...	2	1·17	1·77	2·27	8·93	35·23	43 96
		Baloorghat	.....	.....	0·43	0·56	......	0·44	0·02	3	1·45	1·82	5·81	6·46	34·00	37·02
		Thakoorgaon	0·68	0·62	0·64	......	......	0·31	......	4	2·25	?	4·47	?	53·68	?
	Rungpore ..	Bhowanigunge (*Gyabanda*)	0·40	......	0·50	1·35	0·05	. ....	......	3	2·30	2·18	5·75	7·33	44·42	40·50
		Rungpore ..	0·02	0·17	1·80	0·08	0·34	0·01	......	3	2·51	2·59	3·48	8·90	48 32	51·68
		Kurigram ..	0·25	......	0·45	0·05	0·05	0·85	......	3	1·05	1·77	2·29	6·80	43·18	51·47
		Bagdogra (*Nilphamari*)	0·08	0·06	1·10	......	0·04	.....	......	1	1·28	3·07	2·34	11·20	47·10	50·64
		Ulipore ...	0·04	......	0·48	0·84	......	0·16	......	4	1·52	?	2·05	?	44·34	?
	Julpigoree ...	Julpigoree ..	0·38	2·87	0·75	......	2·37	0·05	0·03	4	6·45	5 36	8·28	18 30	45·77	78 81
		Alipore Dooar	......	4·75	2·50	......	......	... .	.....	2	7·25	?	9·37	?	62·18	?
		Fallacotta ...	3·47	6·55	... ..	......	... ..	......	0·65	3	10·67	?	10 54	?	52·12	?
		Debiganj ...	......	1·93	0·23	......	......	......	......	2	2·16	?	4·76	?	55·18	?
		Bhagatpore (*Nagrakatta*)	2·03	1·70	0·36	0·04	4·35	0·02	......	4	8·50	?	18·06	?	64·47	?
	Cooch Behar.	Dinhatta ...	0·24	0·34	1 28	0·16	......	1·31	......	5	3·33	3·07	6·93	11·76	50·02	64·70
		Cooch Behar..	0·05	1·14	1·67	......	......	0·23	......	3	3·09	3·85	7·38	15·48	62·93	83 35
		Mekligunge...	2·75	4·53	1·70	......	......	... ..	......	3	8·98	3·82	13·78	16·09	61·17	74 04
		Matabhanga...	0·09	1 68	2·44	.. ...	... ..	1·44	... ..	3	5·65	3·04	9·37	15·93	62·52	70·18
	Darjeeling Hill.	Buxa .	2·65	1·50	0·13	0·15	1·53	1·33	2·26	7	9·55	8·91	16·19	32 95	83·73	130·48
		Silliguri ...	1·75	1·16	0·16	0·03	0·74	0·81	0·34	6	4·99	4·38	9·11	16·89	45·50	85·11
		Darjeeling ...	1·92	0·43	0·64	0·95	2·37	0·73	0·53	7	7·57	5 22	18·75	18 71	73·40	78·04
		Kalimpong ..	0·28	0·79	0·06	0·65	0·65	0·58	0·05	5	3·06	4·69	8·50	13·25	44·89	65 50
		Kurseong ...	0·01	0·40	......	1·80	0·35	0·41	0·17	6	3·14	?	18·51	?	78·84	?
NORTH BEHAR	Purneah ...	Kissengunge...	......	1·65	......	......	0·35	0·97	0·25	3	3·22	3·35	6·19	11·65	37·72	48·31
		Arrareah ...	0·26	.....	......	......	1 88	0·75	0·13	4	3·02	3·43	6·18	10·14	34·62	42 61
		Purneah ...	0·01	......	......	......	0·11	0·31	0·07	2	0·50	3·37	2·74	10·42	25·78	39·44
		Gondwara ...			0·35	0·20	1·4					?		?		?
		Balarampore	.. ...	......	......	......	0·19	0·12	......	2	0·31	?	0·43	?	19 36	?
		Matiari ...	3·20	2·93	0·38	......	1·20	1·55	0·04	5	9·30	?	13·10	?	45·68	?
		Kaliaganj ...			0·53	1·55	0·21	......	... ..	3	2·29	2·78	5·72	8·44	26·57	31·46
	North Bhagulpore.	Maddapore ...	......	......	......	0·75	0·23	......	0·24	3	1·22	2·94	4·69	8·52	21·12	31·80
		Soopool ..	......	......	......	0·32	1·04	0·11	......	4	2·60	?	3·54	?	29·67	?
		Protabganj ...	0·53	......	......											
	Durbhunga ...	Tajpore ...	......	......	......	0·90	......	0·15	......	2	1·05	1·72	6·99	6·78	40·60	28·63
		Durbhunga ...	......	... ..	0·02	0·16	0·36	0·20	......	3	0·74	1·94	12·88	7·89	31·51	29·57
		Madhubani ...	......	0·25	0·08	0·41	0·58	......	......	3	1·32	1·93	5·35	6·83	24·64	28 34
		Bahera ...	......	1·47	.....	0·90	......	0·73	......	3	3·10	?	6·04	?	27·99	?
		Roshera ...	......	0·35	1·17	0·76	......	......	......	3	2·28	?	6·17	?	16·78	?
	Mozufferpore	Sitamarhi ...	0·35	2·36	......	0·36	0·70	......	......	4	3·77	1·76	6·63	7·37	41·67	27·85
		Mozufferpore	......	0·20	......	1·96	0·15	0·21	......	4	2·52	1·91	6·79	6·94	27·53	28 61
		Hajipore ...	......	......	......	0·21	0·04	......	......	1	0·25	1·73	3·35	7·05	23·72	27 95
		Paru ...	0·30	1·35	1·94							?		?		?
		Mahua ...	......	2·20	......	3·45	0·20	......	0·50	4	6·35	?	17·45	?	41·71	?
		Sishar ...	......	1·40	......	0·82						?		?		?
		Pupri ...	......	1·37								?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 22nd of August 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 16th August.	Monday, 17th August.	Tuesday, 18th August.	Wednesday, 19th August.	Thursday, 20th August.	Friday, 21st August.	Saturday, 22nd August.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR—concluded.	Chumparun ...	Motihari ...	0·14	0·24	0·03	3·43	2·24	......	......	5	6·68	1·59	12·76	8·54	37·12	29·01
		Bettiah ...			0·05	0·49	0·25	0·15				2·50		8·96		32·14
		Bagaha ...	0·33	1·05	......	1·00	0·50	...	0·21	5	3·09	?	10·17	?	41·16	?
		Burhurwa ...	0·12	0·09	0·47	0·18	0·07	1·57	......	4	2·50	?	4·10	?	26·20	?
	Sarun ..	Gopalgunge ...	......	......	0·80	0·16	0·07	......	......	2	1·03	1·44	4·20	6·55	28·93	27·29
		Sewan ..	......	......	0·19	......	0·11	......	......	2	0·30	1·90	7·99	7·22	26·00	27·74
		Chuprah ...	......	0·91	......	0·05	......	......	......	1	0·91	1·58	5·53	6·65	18·46	26·90
SOUTH BEHAR	Shahabad	Buxar	0·12	0·04	......	......	1·45	0·16	0·08	3	1·85	2·50	6·89	7·29	11·87	24·95
		Dehree ...	0·38	......	......	0·64	0·02	0·30	1·08	4	2·42	2·31	13·25	8·41	22·45	27·12
		Bhaboosh ...	0·30	0·04	0·10	0·26	......	0·40	0·02	4	1·12	2·99	15·98	8·40	23·03	28·42
		Sasseram ...	......	0·27	......	0·42	0·23	......	0·16	4	1·08	2·13	10·35	8·25	17·44	27·06
		Arrah ...	0·71	0·10	......	0·10	0·18	......	......	4	1·09	2·36	4·81	7·40	18·37	27·02
		Mohaniah ...										?		?		?
	Gya	Aurungabad...	0·60	0·23	0·05	0·36	......	0·46	......	4	1·69	3·42	9·46	9·15	20·46	30·07
		Gya ...	1·49	0·99	0·15	0·03	0·15	0·64	0·56	6	4·01	2·02	11·75	7·09	25·79	29·76
		Nowadah ...	......	0·16	1·04	......	0·05	......	0·03	2	1·27	2·79	10·35	7·91	31·07	27·81
		Jehanabad ...	......	0·85	......	......	0·28	......	......	2	1·13	2·54	4·46	8·21	22·56	28·21
		Arwal ..	2·35	0·46	......	......	......	......	......	2	2·81	?	......	?		?
		Daudnagar .	......	......	0·80	......	......	0·62	......	2	1·42	?	6·02	?	11·57	?
		Sherrghatti ..	0·25	0·12	......	......	0·05					?		?		?
		Rajauli .	0·65	0·67	0·60	0·60	1·10	0·70	0·10	7	4·42	?	11·42	?	34·08	?
		PakriBarawan	......	0·18	......	0·52	......	......	......	2	0·70	?	7·10	?	21·72	?
	Patna .	Patna ...	......	......	0·06	0·30	0·08	......	......	1	0·44	1·84	4·06	6·91	23·83	28·12
		Dinapore ..	......	1·95	0·15	0·50	......	......	......	3	2·60	2·56	4·96	7·89	27·46	28·13
		Behar ...	......	1·95	......	0·95	......	......	......	2	2·90	2·60	7·52	7·59	31·91	29·33
		Barrh ...	......	0·20	0·65	2·15	0·30	......	......	4	3·30	2·39	9·00	6·89	30·23	26·60
		Bickram ...	......	......	0·09	0·07	......	......	......	Nil	0·16	?	5·83	?	23·17	?
		Hilsa ...	0·20	0·10	......	0·30	......	......	......	3	0·60	?		?		?
	Monghyr ...	Begoosarai ...	......	0·05	......	1·52	0·12	......	......	2	1·69	2·32	8·34	7·39	27·42	26·99
		Monghyr	......	......	0·11	0·13	......	......	......	2	0·24	3·19	8·94	8·47	33·63	30·33
		Jamui .	......	1·74	......	0·25	......	1·26	......	3	3·25	2·39	8·50	8·66	29·87	30·53
		Gogri ...	......	......	......	1·36	......	......	......	1	1·36	?	14·99	?	44·12	?
		Sheikpura ...	......	......	......	3·11	......	1·20	......	2	4·31	?	10·67	?	33·11	?
	South Bhagulpore	Bhagulpore ...	......	0·31	0·15	0·13	......	......	......	3	0·59	1·87	6·75	7·18	33·94	28·85
		Banka ...	......	0·94	0·02	1·25	0·20	......	......	3	2·41	1·85	11·15	7·64	36·35	28·62
		Kolgong ...	......	......	0·85	0·24	0·24	......	0·12	4	1·45	?	6·68	?	26·89	?
		Bangaon ...	......	1·71	......	......	0·93	......	......	2	2·64	?	6·78	?	26·91	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	0·92	1·22	......	1·09	......	3	3·23	2·56	4·66	6·68	31·01	33·62
		Godda ...	......	0·02	......	0·24	1·23	0·62	0·73	4	2·83	2·33	7·66	8·73	31·97	29·84
		Pakour ..	......	0·01	0·36	0·85	0·12	0·01	......	3	1·35	2·91	6·21	8·34	29·85	34·86
		Nya Doomka	0·12	......	0·07	1·53	2·04	0·05	0·02	3	3·83	2·63	14·16	10·25	36·62	37·71
		Deoghur .	......	0·10	......	2·77	0·14	......	0·05	3	3·06	2·54	7·54	8·87	27·48	34·02
		Jamtara ...	......	0·56	0·06	0·29	0·09	1·65	0·16	4	2·81	2·82	11·86	9·33	43·22	34·59
		Mohagama ..	0·80	......	0·30							?		?		?
		Nasirhat ...	......	2·05	0·25	4·05	......	......	......	3	6·35	?	12·15	?	?	?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba (Giridi). ...	0·02	0·33	......	1·46	0·12	0·10	0·57	5	2·66	2·56	8·53	9·11	34·79	32·64
		Hazaribagh ...	0·16	0·76	......	1·05	......	0·55	0·13	5	2·65	2·96	13·04	9·40	32·49	33·22
		Sumtagurah ..	0·10	0·20	0·05	......	......	......	0·50	3	0·85	3·67	8·40	9·06	23·87	32·23
		Mahudi Hills										4·10		10·52		33·56
		Jhoomra Hills										3·95		11·58		42·73
		Barhi ...	0·07	......	......	0·68	0·30	0·22	0·03	3	1·30	?	9·27	?	28·70	?
		Chatra ...	0·20	1·10								?		?		?
		Karagdeha ...	......	......	0·98	0·81	0·47	0·07	......	3	2·33	?	7·76	?	32·98	?
		Ramghar ...	0·60	0·30	......	0·40	......	0·10	0·15	5	1·55	?	9·30	?	25·48	?
	Lohardugga ...	Lohardugga...	0·63	......	0·60	0·68	1·20	0·14	......	5	3·25	4·39	10·85	11·61	30·80	35·97
		Ranchi ...	0·54	0·21	0·27	0·35	0·45	0·90	0·06	6	2·78	3·07	9·14	9·33	25·64	36·11
		Palamow ...	0·03	0·08	......	0·51	0·17	0·12				2·83		8·40		29·12
		Silli ...	0·50	......	0·30	0·10	0·05	......	......	3	0·95	?	9·20	?	31·28	?
		Balumat ...	2·10	......	0·12							?		?		?
		Hosseinabad										?		?		?
		Gurwah ...	0·12	......	......	......	1·05	0·13				?		?		?
	Singbhoom ...	Chyebassa ...	1·85	1·75	......	......	0·53	......	......	3	4·13	2·78	15·37	9·83	32·16	36·69
		Chakradharpore.										?		?		?
		Ghatsilla ...	0·40	1·80	0·72	......	......	......	0·35	4	3·27	?	16·56	?	40·40	?
		Baharagura	......	0·50								?		?		?
	Manbhoom ...	Purulia ...	0·80	0·17	......	0·38	......	......	0·46	4	1·81	3·11	8·65	9·34	36·73	34·33
		Gobindpore ...	0·02	0·11	......	0·60	0·39	0·13	0·06	4	1·30	2·63	8·94	9·42	29·70	31·36
		Raghunathpore.	0·23	0·90	......	1·80	0·05	0·10	......	4	3·08	?	14·27	?	39·81	?
		Barrabhoom	0·25	0·26	......	0·21	0·05	......	......	3	0·77	?	13·06	?	31·33	?
		Jhalda ...	0·83	0·50	......	0·60	......	......	0·40	4	2·33	?	9·02	?	31·45	?
		Chas .	0·97	1·53	......	0·11	0·38	0·39	1·20	6	4·58	?	11·95	?	41·09	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 25th August* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 22ND OF AUGUST 1891.

In the second half of the previous week a small depression or feeble cyclonic storm had formed over Central Bengal and had first advanced in a westerly and then in a north-westerly direction, and on the 15th, or the last day of that week, the storm centre was near Allahabad. On the 16th it was between Allahabad and Lucknow, but it had become more feeble on this date, and though feebly perceptible on the 17th, it ceased to exist as a well-defined depression. It gave heavy rain in its progress, but the monsoon current brought up in its rear was feeble. Conditions were therefore of ordinary monsoon character in Bengal on the 16th, but on this day the rainfall reported was only light and local except in Chutia Nagpur, where it was more general. Winds on the 16th, however, showed a tendency for a westerly current to set in over Chutia Nagpur and parts of Orissa and Behar, and these winds commenced to drive back the easterly and south-easterly winds which had previously been blowing. This produced a considerable amount of interaction between the opposing wind systems and therefore of ascensional air motion which had increased by the morning of the 17th, when the westerly current had reached as far as Central Bengal. On the 17th, therefore, much heavier and more general rain was reported, two stations received nearly five inches of rain and a good many received an inch and upwards. Conditions remained practically unaltered on the 18th, except that pressure had become comparatively low at Balasore and Saugor Island and again fairly general rain was received, though the falls were not so heavy as on the 17th. On the 19th the comparatively low pressure still existed at Balasore and Saugor Island, and there was also slight indication of the commencement of a whirl over the extreme south-western parts of Bengal and probably the neighbouring parts of the north-west angle of the Bay. Winds, therefore, again became strongly easterly over almost the whole province; rainfall in Orissa and Behar and over parts of East and North Bengal became rather general and heavy, but the falls in South-West Bengal were lighter and more local. On the 20th a distinct but feeble low-pressure area had formed over the north-west angle of the Bay which was accompanied by a decided cyclonic circulation of winds, the centre of the circulation being apparently to the east of False Point. Again on the 20th Orissa reported fairly general but moderate rain, but in most other districts the falls were rather local. On the 21st the depression in the north-west angle of the Bay was a little more marked than it had been, but the position was practically unchanged, and again on the 22nd the feeble storm had become rather more marked, while the centre of the wind circulation was to the east-north-east of False Point and to the south of Saugor Island. The wind circulation on this day was very complete, and practically the wind system over the whole province was governed by the existence of the small storm, though the wind velocities in connection with it were light. Moderate general rain continued therefore to be received in Orissa and South-West Bengal on the 20th and 21st, but East and North Bengal, and to a considerable extent Chutia Nagpur and Behar, received little or no rain during this period owing to the indraught taking place towards the very feeble storm.

It will be seen, therefore, that the conditions during the earlier part of the week were more favourable for rainfall than they were during the last few days, but on the whole fairly good rain has been received during the week throughout the province.

Pressure.—The mean pressure for the week has been generally rather considerably above the normal, the usual excess ranging from 0·03″ to 0·04.″ The changes throughout the week have been generally small. Pressure usually rose slowly on the 16th; it then fell moderately for the next two days and rose on the following two days; on the 21st and 22nd pressure fell, the largest falls, though they were still small, taking place in the north-west angle of the Bay, where, as previously stated, a distinct barometric depression existed on these dates.

Temperature.—The variations of temperature throughout the week have been of no importance, and the mean temperature of the whole province for the week has not varied from the normal by so much as a tenth of a degree. On the whole, the mean temperature has been very slightly in defect, but this has been mainly owing to the fact that in North Bengal there has been a defect of 1° and in Behar a defect of about half this amount, while, on the other hand, slight excess temperatures have been recorded in Chutia Nagpur, Orissa, and South-West Bengal. In East Bengal temperature has been practically normal, while in Assam a defect of 1·1° has been registered.

Rainfall—Has been in slight excess of the normal in North Bengal, where previously rather defective falls have been registered. In Orissa, East Bengal, and Behar, the falls have been in slight or moderate defect, but in South-West Bengal and Chutia Nagpur the falls have been in rather large defect. The general falls in all divisions except South-West Bengal and North Behar have averaged between 2 and 3 inches, but in North Behar the fall has been only 1·90 inches and in South-West Bengal slightly less than an inch-and-a-half, which is only half the normal amount for the week. The defect in Chutia Nagpur has also equalled about a third of the normal fall.

The rainfall during August up to the 22nd has, however, been in considerable excess of the normal in Orissa and Chutia Nagpur, about normal in South-West Bengal and

South Behar, in slight to moderate defect in North Behar and East Bengal, and in rather considerable defect in North Bengal.

During the week under review the following districts have received falls largely in defect of the normal:—Balasore, Midnapore, 24-Pergunnahs, Moorshedabad, Nuddea, Jessore, Khulna, Chittagong, Noakholly, Chittagong Hill Tracts, Furreedpore, Maldah, and Sarun.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 22nd of August 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	93·4	75·8	88·5	78·1	83·4	+0·8	2·00	2·58	—0·58	2·67	3·74	—1·07	12·06	8·26	27·06	32·90
uth-West Bengal ...	92·3	77·1	88·8	79·0	83·9	+0·8	1·49	2·98	—1·49	2·60	3·77	—1·17	9·35	9·37	38·92	35·30
East Bengal	90·4	74·1	86·7	77·6	82·2	+0·2	2·57	3·36	—0·79	4·00	4·11	—0·11	8·78	11·77	46·90	52·37
North Bengal	93·8	74·1	87·4	77·5	82·5	—1·1	2·86	2·63	+0·23	2·84	3·41	—0·57	5·64	9·58	40·05	47·02
North Behar	92·2	75·2	88·6	77·7	83·2	—0·6	1·90	2·24	—0·34	3·00	2·83	+0·17	6·29	8·12	29·31	31·72
South Behar	91·4	75·3	88·3	78·2	83·2	—0·4	2·10	2·54	—0·44	3·17	3·22	—0·05	8·79	8·09	28·21	29·02
Chutia Nagpur	85·5*	71·9*	83·7*	73·0*	78·4*	+0·8*	2·16	3·28	—1·12	4·00	4·20	—0·20	11·36	9·79	31·17	34·34
Assam	91·5	74·8	87·8	76·7	82·3	—1·1										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 25th August 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 16th to 22nd August 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
August ...	16th ...	29·728	83·3	89·0	11·4	77·6	82·6	80·5	1·015	79 9	91	0·12
,, ...	17th ...	·674	84·7	90 0	10·7	79·3	85·4	82·5	1·073	81·4	88	0·04
,, ...	18th ...	·662	83·9	88 0	8·2	79 8	87·6	83·5	1·094	82·0	84	Nil
,, ...	19th ...	·688	84 4	90·0	11·2	78·8	86·0	82·5	1·065	81·2	86	0·56
,, ...	20th ...	·712	85·2	91·5	12·7	78 8	88·4	82·0	1 007	79·5	75	0·20
,, ...	21st ...	·680	84·3	90·0	11 4	78 6	87·1	80·5	·952	77·7	74	0·06
,, ...	22nd ...	·648	84·4	90 0	11·2	78·8	86·6	81·5	1·009	79·5	80	0·29

	Inches.
The mean 10 A.M. pressure of the seven days	29·685
	°
The mean temperature of the seven days	84·3
The extreme variation of temperature	13·9
The maximum temperature	91·5
	%
The mean 10 A.M. relative humidity of the seven days	83
	Inches.
The total fall of rain from 16th to 22nd August 1891	1·27

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 24th August 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 16th to 22nd August 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Prevailing direction	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Aug.	16th	148·1	5·4	29·669	82·9	86 9	9 2	77·7	79·9	0·985	78·8	87	S and SSW ...	118	0·18	Partially cloudy, p, lr.
"	17th	143·2	2·6	·626	83·5	87 1	7·4	79·7	80 8	1 016	79·7	89	SSW and WNW ...	101	0·09	Chiefly cloudy, o, g, t, d.
"	18th	146·0	1·5	·619	82·8	87·1	7·1	80·0	80 6	1·015	79·7	91	SW and ESE ...	71	0·08	Chiefly cloudy, o, p.
"	19th	143·3	2·5	·642	83·1	87 7	8·5	79·2	80 6	1·013	79 6	89	ESE and SSE ...	68	0·09	Chiefly cloudy, o, t, p, [illegible].
"	20th	152·5	6·7	·661	83·5	89·9	11·4	78 5	80 0	0·978	78·5	86	SSE and ESE ...	75	0·04	Partially cloudy, d, t.
"	21st	147·5	3·8	·633	83·1	87·8	9·1	78 7	79·8	·973	78·4	86	SSE and ESE ...	82	0·01	Chiefly cloudy d, t.
"	22nd	152 5	6·0	·601	82·3	88·1	9·1	79·0	78 8	·939	77·3	85	ESE and E ...	107	0·54	Partially cloudy, o, d, p, t.

	Inches.
The mean pressure of the seven days	29·636
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·590
	Hours.
The total number of hours of bright sunshine	28·5
The maximum possible number of hours of sunshine	89·6
	°
The mean temperature of the seven days	83·0
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·1
The extreme variation of temperature	12·2
The maximum temperature	89·9
	Miles.
The highest velocity of the wind in one hour	10
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	88
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	87
	Inches.
The total fall of rain from 16th to 22nd August 1891	1·06
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	3·46
The total fall from 1st January to 22nd August 1891	35·83
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	45·15

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; t, thunder; p, passing temporary showers; lr, lightning reflection; [illegible], dew.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 24th August 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 8th August 1891.

BIRTHS.

THE total births registered during the week ending with Saturday, the 8th August 1891, in twenty-seven principal towns of Bengal, amounted to 465, and correspond to an annual rate of 22·5 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 3·5 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886–90.	1891.
Ratio of births per 1,000 of the population per annum	20·9	16·2	20·6	20·1	17·3	19·0	22·5

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING— 18th July 1891.	25th July 1891.	1st August 1891.	8th August 1891.	TOWNS.	WEEKS ENDING— 18th July 1891.	25th July 1891.	1st August 1891.	8th August 1891.
Burdwan	19·8	16·8	16·8	9·2	Narainganj	16·6	29·0	24·8	16·6
Midnapore	15·3	23·2	6·2	13·9	Chittagong	16·4	9·4	11·7	18·8
Hughli and Chinsurah	31·2	27·0	32·8	24·6	Comillah	42·4	27·0	11·6	27·0
Serampore	27·5	15·7	25·5	29·4	Patna City	9·4	12·3	12·0	10·7
Utterpara	9·4	9·4	18·9	18·9	Gya	27·3	26·0	26·0	25·3
Howrah	17·2	14·0	16·6	28·2	Arrah	15·6	7·2	23·9	29·9
Bali	10·5	21·1	14·0	3·5	Mozufferpore	29·2	32·8	18·2	24·3
Krishnagar	7·6	13·2	9·5	20·8	Durbhanga	23·6	29·9	20·5	45·6
Ranaghat	6·0	12·0	...	6·0	Chupra	36·2	19·1	35·2	39·2
Santipore	19·3	17·5	14·0	31·5	Bhagulpore	14·5	33·5	14·5	19·1
Jessore	6·1	12·2	6·1	...	Monghyr	34·4	32·5	31·6	30·8
Rampore Beauleah	15·8	15·8	21·0	5·3	Purneah	10·4	10·1	13·9	3·5
Darjiling	22·2	44·5	37·0	51·9	Poori	25·2	25·2	25·2	27·3
Dacca	10·4	14·0	8·4	9·7	Total ...	19·3	20·3	18·3	22·5

It will be seen that last week the highest birth-rate was returned from Darjiling (51·9) and the lowest from Bali (3·5). No births were registered during the week in the Jessore town.

DEATHS.

The total deaths registered during the week under review amounted to 656, and correspond to an annual rate of 31·8 per 1,000 of the population. The rate of the week is 5·4 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886–90.	1891.
Ratio of deaths per 1,000 of the population per annum	28·4	26·7	25·1	28·9	23·0	26·4	31·8

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING— 18th July 1891.	25th July 1891.	1st August 1891.	8th August 1891.	TOWNS.	WEEKS ENDING— 18th July 1891.	25th July 1891.	1st August 1891.	8th August 1891.
Burdwan	21·4	9·2	19·8	27·5	Narainganj	8·3	16·6	8·3	33·1
Midnapore	13·9	15·5	13·9	21·7	Chittagong	16·4	21·1	11·7	23·5
Hughli and Chinsurah	23·0	32·8	23·0	47·8	Comillah	19·3	11·6	23·1	30·8
Serampore	41·2	29·4	37·3	29·4	Patna City	17·2	17·2	17·8	18·2
Utterpara	28·3	9·4	28·3	18·9	Gya	56·0	51·9	70·4	62·2
Howrah	18·9	18·9	14·9	17·8	Arrah	23·9	27·5	49·1	49·1
Bali	10·5	7·0	14·0	7·0	Mozufferpore	52·3	32·8	53·5	60·8
Krishnagar	1·9	20·8	11·4	9·5	Durbhanga	44·1	29·9	26·0	26·0
Ranaghat	...	6·0	6·0	12·0	Chupra	37·2	30·2	28·2	48·3
Santipore	1·7	7·0	8·8	12·3	Bhagulpore	32·0	48·8	32·0	38·1
Jessore	...	42·8	...	12·2	Monghyr	34·4	57·9	38·0	57·9
Rampore Beauleah	15·8	23·6	34·2	28·9	Purneah	17·3	20·8	3·5	20·8
Darjiling	66·7	74·1	88·9	81·5	Poori	35·7	21·0	23·1	35·7
Dacca	15·6	22·7	19·5	19·5	Total ...	26·4	27·7	27·5	31·8

According to the figures returned, the highest mortality occurred in the town of Darjiling (81·5) and the lowest in Bali (7·).

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per mille.	*Fever.*	Ratio per mille.	*Dysentery and diarrhœa.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Mozufferpore	... 43·8	Darjiling	... 51·9	Darjiling	... 22·2	Chupra	... 22·1
Arrah	... 28·7	Hughli and Chinsurah	... 27 9	Poori	... 12·6	Monghyr	... 14 5
Monghyr	... 19·0	Gya	... 27·3	Monghyr	... 9·0	Midnapore	... 13·9
Gya	... 17·1	Rampore Beauleah	26·3			Gya	... 13·7
Bhagulpore	... 7·6	Bhagulpore	... 20·6				

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 6·6 from cholera, against 6·4 in the preceding week; ·2 from small-pox, against ·1 ; 12·2 from fever, against 9·2 ; 3·4 from dysentery and diarrhœa, against 3·3 ; 3 from injury, against the same ratio; and 9· from other causes, against 8·2 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows :—

According to Sex.	Ratio per mille.	*According to Class.*	Ratio per mille.	*According to Age.*	Ratio per mille.
Males	32·7	Christians ...	29·9	Under 1 year	... 235·4
Females	30·8	Hindus ...	33·2	1 and under 5 years	... 58·6
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	106	Mahomedans ...	28·4	5 „ 10 „	... 24·7
				10 „ 15 „	... 16·0
				15 „ 20 „	... 19·1
				20 „ 30 „	... 15·8
				30 „ 40 „	... 15 0
				40 „ 50 „	... 24·7
				50 „ 60 „	... 21·9
				60 years and upwards	... 87·7

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 24th August 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 8th August 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of Population per annum.				Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,117	34,080	4	2	*6*	6·1	3·1	*9·2*	200	1	...	7	4	1	5	*18*	1·5	..	10·7	6·1	1·5	7·6	*27·5*	19·[illegible]	10	8	28·8	26·0	111
Midnapore ...	Midnapore ..	16,927	16,633	33,560	4	5	*9*	6·2	7·7	*13·9*	80	..	...	2	3		9	*14*	.	...	3·1	4·6	...	13·9	*21·7*	15·[illegible]	8	6	24·6	18·8	131
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	7	8	*15*	11·5	13·1	*24·6*	87	2	...	17	5	...	5	*29*	3·3	...	27·9	8·2	...	8·2	*47·6*	23·9	12	17	39·3	55·8	70
Serampore ...	Serampore ...	13,559	12,937	26,496	7	8	*15*	13·7	15·7	*29·4*	87	1	...	9	3	...	2	*15*	2·0	..	17·6	5·9	...	3·9	*29·4*	37·3	3	12	11·5	48·2	24
	Utterpara	3,046	2,464	5,510	...	2	*2*	...	18·9	*18·9*	No male birth.	...	...	2		...	...	*2*	...	...	18·9	...	.	...	*18·9*	28·3	2	...	34·1	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	23	26	*49*	13·2	14·9	*28·2*	89	4	...	9	4	1	13	*31*	2·3	...	5·2	2·3	·6	7·4	*17·8*	14·9	18	13	17·6	18·0	98
	Bali	7,836	6,979	14,815	...	1	*1*	...	3·5	*3·5*	No male birth.	...	...	1	..	..	1	*2*	...	...	3·5	...	...	3·5	*7·0*	14·0	...	2	...	14·9	No male death.
Nuddea ..	Krishnagar ...	13,263	14,214	27,477	8	3	*11*	15·1	5·7	*20·8*	266	...	...	2	2	...	1	*5*	...	...	3·8	3·8	.	1·9	*9·5*	11·4	3	2	11·8	7·3	161
	Ranaghat	4,028	4,655	8,683	...	1	*1*	...	6·0	*6·0*	No male birth.	...	..	2	...	...	..	*2*	.	..	12·0	...	...	..	*12·0*	6·0	...	2	...	22·3	No male death.
	Santipore	13,708	15,979	29,687	5	13	*18*	8·7	22·8	*31·5*	38	...	...	4	1	..	2	*7*	...	...	7·0	1·7	...	3·5	*12·3*	8·8	4	3	15·2	9·8	155
Jessore ...	Jessore	4,830	3,665	8,495	...	...	...	..	...	...	...	...	..	2	...	...	..	*2*	...	...	12·2	...	...	...	*12·2*	...	1	1	10·8	14·2	76
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	2	...	*2*	5·3	...	*5·3*	No female birth.	...	...	10	...	.	1	*11*	...	...	26·3	...	...	2·6	*28·9*	34·2	9	2	43·5	11·5	378
Darjiling ...	Darjiling	4,579	2,439	7,018	3	4	*7*	22·2	29·6	*51·9*	75	..	...	7	3	...	1	*11*	...	...	51·9	22·2	...	7·4	*81·5*	88·9	4	7	45·4	149·2	30
Dacca ...	Dacca	42,782	37,379	80,161	8	7	*15*	5·2	4·5	*9·7*	114	1	..	13	3	...	13	*30*	·6	..	8·4	1·9	...	8·4	*19·5*	19·5	18	12	21·9	16·7	131
	Narainganj ...	7,605	4,956	12,561	1	3	*4*	4·1	12·4	*16·6*	33	..	..	3	1	...	4	*8*	...	...	12·4	4·1	..	16·6	*33·1*	8·3	5	3	34·2	31·5	168
Chittagong ...	Chittagong ...	13,340	8,790	22,130	2	6	*8*	4·7	14·1	*18·8*	33	...	...	4	2	...	4	*10*	...	..	9·4	4·7	...	9·4	*23·5*	11·7	4	6	15·6	35·5	44
Tipperah ...	Comillah	8,153	5,353	13,506	6	1	*7*	23·1	3·8	*27·0*	600	...	...	4	..	...	4	*8*	...	...	15·4	...	...	15·4	*30·8*	23·1	6	2	35·3	19·4	197
Patna	Patna City ..	78,762	81,475	160,237	20	13	*33*	6·5	4·2	*10·7*	154	6	...	19	5	1	25	*56*	1·9	...	6·2	1·6	·3	8·1	*18·2*	17·8	29	27	19·1	17·2	111
Gya	Gya	38,290	37,831	76,121	17	20	*37*	11·6	13·7	*25·3*	85	25	2	40	4	...	20	*91*	17·1	1·4	27·3	2·7	...	13·7	*62·2*	70·4	50	41	67·9	56·4	120
Shahabad ..	Arrah	20,960	22,505	43,465	17	8	*25*	20·3	9·6	*29·9*	212	21	1	11	..	1	4	*41*	28·7	1·2	13·2	...	1·2	4·8	*49·1*	49·1	18	23	44·7	53·1	84
Mozufferpore..	Mozufferpore ...	23,084	19,658	42,742	14	6	*20*	17·0	7·3	*24·3*	233	36	2	2	2	...	8	*50*	43·8	2·4	2·4	2·4	...	9·7	*60·8*	53·5	27	23	60·8	60·8	100
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	25	33	*58*	19·6	26·0	*45·6*	75	4	...	16	3	1	9	*33*	3·1	...	12·6	2·4	·8	7·1	*26·0*	26·0	15	18	23·1	29·0	79
Sarun	Chupra	25,116	26,554	51,670	19	20	*39*	19·1	20·1	*39·2*	95	2	...	13	6	...	22	*43*	2·0	...	13·1	6·0	...	22·1	*43·3*	28·2	23	20	47·6	39·2	131
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	14	11	*25*	10·7	8·4	*19·1*	127	10	...	27	1	...	12	*50*	7·6	...	20·6	·8	...	9·1	*38·1*	32·0	31	19	46·2	29·7	155
Monghyr ..	Monghyr	28,154	29,366	57,520	25	19	*44*	22·6	17·2	*39·8*	131	21	...	16	10	1	16	*64*	19·0	...	14·5	9·0	·9	14·5	*57·9*	38·0	36	28	66·5	49·6	134
Purneah ...	Purneah	8,463	6,553	15,016	1	...	*1*	3·5	...	*3·5*	No female birth.	...	..	4	2	...	...	*6*	...	...	13·9	6·9	...	...	*20·8*	3·5	3	3	18·4	23·3	77
Poori	Poori	13,247	11,537	24,784	5	8	*13*	10·5	16·8	*27·3*	62	...	...	6	6	...	5	*17*	...	...	12·6	12·6	...	10·5	*35·7*	23·1	11	6	43·2	27·0	160
	Total ...	556,262	516,097	1,072,359	237	228	*465*	11·5	11·0	*22·5*	104	137	5	253	70	6	186	*656*	6·6	·2	13·2	3·4	·3	9·0	*31·8*	27·5	350	306	32·7	30·8	106

MORTALITY ACCORDING TO—

Class (13: Deaths among—; 14: Ratio per 1,000 of population per annum)

DISTRICTS.	NAMES OF MUNICIPALITIES.	13. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	14. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan ...	Burdwan	...	10	8	...	...	...	22.0	40.5	...	...
Midnapore ...	Midnapore ...	...	12	2	...	...	...	24.1	14.4	...	...
Hughli ...	Hughli and Chinsurah.	...	24	5	...	...	...	49.4	42.2	...	...
Serampore ...	Serampore ...	...	14	1	...	...	...	23.8	55.4	...	...
	Utterpara	...	2	...	...	...	...	19.5	...	...	...
Howrah ...	Howrah	2	22	7	...	...	54.9	16.8	17.7	...	...
	Bali	...	2	...	...	...	...	7.8	...	...	...
Nuddea ...	Krishnagar ...	...	5	...	...	...	...	14.0	...	...	...
	Ranaghat	...	2	...	...	...	...	14.2	...	...	...
	Santipore	...	5	2	...	...	...	12.6	11.6	...	...
Jessore ...	Jessore	...	1	1	...	...	...	11.5	13.6	...	...
Rajshahye ...	Rampore Beauleah	...	7	4	...	...	...	36.7	21.2	...	...
Darjiling ...	Darjiling	...	11	...	...	...	...	124.5	...	...	...
Dacca	Dacca	1	22	7	...	...	109.5	25.4	9.3	...	...
	Narainganj ...	...	3	5	...	...	...	24.7	42.2	...	...
Chittagong ...	Chittagong ...	1	1	8	...	...	65.3	9.0	27.2	...	...
Tipperah ...	Comillah	...	3	5	...	...	...	26.2	35.2	...	...
Patna	Patna City ...	...	44	12	...	...	...	19.2	15.3	...	...
Gya	Gya	...	65	26	...	...	...	56.3	84.1	...	...
Shahabad ...	Arrah	...	37	4	...	...	...	62.0	16.8	...	...
Mozufferpore ...	Mozufferpore ...	...	27	23	...	...	...	46.8	95.8	...	...
Durbhanga ...	Durbhanga ...	...	24	9	...	...	...	25.8	26.6	...	...
Sarun	Chupra	...	35	8	...	...	...	45.9	34.0	...	...
Bhagulpore ...	Bhagulpore ...	...	37	13	...	...	...	39.3	35.8	...	...
Monghyr ...	Monghyr	...	53	11	...	...	...	61.6	45.5	...	...
Purneah ...	Purneah	...	5	1	...	...	...	28.3	9.2	...	...
Poori ...	Poori	...	17	...	...	...	...	36.0	...	...	...
	TOTAL ...	4	490	102	...	...	29.9	33.2	28.4	...	...

Age (15: Deaths; 16: Ratio per 1,000 of population per annum)

DISTRICTS.	NAMES OF MUNICIPALITIES.	15. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	1	...	1	1	1	2	3	4	2	3	78.8	...	22.3	20.7	16.6	13.1	22.6	47.1	42.4	105.3
Midnapore ...	Midnapore ...	3	1	...	1	...	1	1	...	...	7	210.0	22.1	...	17.1	...	7.1	9.4	...	...	195.9
Hughli ...	Hughli and Chinsurah.	4	5	1	1	1	2	5	4	...	6	259.0	117.2	18.0	21.0	20.7	16.8	45.5	49.9	...	150.5
Serampore ...	Serampore ...	4	6	1	1	...	...	...	...	1	3	293.0	172.9	20.7	23.4	...	...	...	...	27.2	74.8
	Utterpara	1	...	...	...	...	...	...	1	...	...	323.0	...	...	...	...	...	...	74.2	...	...
Howrah ...	Howrah	7	3	1	2	1	4	3	6	2	2	176.4	28.2	8.3	15.8	7.1	9.2	8.1	26.5	18.9	27.7
	Bali	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	142.1
Nuddea ...	Krishnagar ...	1	...	1	1	...	...	1	1	...	...	104.8	...	15.1	18.5	...	...	12.1	15.9	...	...
	Ranaghat	...	...	1	...	...	...	...	1	...	...	...	...	46.6	...	...	...	...	51.8	...	...
	Santipore	1	1	...	...	1	...	...	2	...	2	61.5	17.9	...	...	23.4	...	...	29.6	...	53.0
Jessore ...	Jessore	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	25.8	...	...	92.4	...
Rajshahye ...	Rampore Beauleah	2	2	2	...	2	...	1	2	...	...	256.2	73.3	50.0	...	62.6	...	14.4	42.4	...	...
Darjiling ...	Darjiling	1	7	1	...	...	...	...	...	...	2	423.8	566.1	85.9	...	...	...	...	...	...	615.4
Dacca	Dacca	4	1	1	...	1	6	3	3	5	6	109.6	7.1	5.2	...	7.1	20.4	13.4	18.6	54.9	56.0
	Narainganj ...	3	...	...	...	...	2	...	1	...	2	530.1	...	...	...	...	39.0	...	37.3	[illegible]	159.5
Chittagong ...	Chittagong ...	1	2	2	...	1	1	1	...	...	2	92.4	52.9	41.6	...	21.5	11.2	15.6	...	...	130.7
Tipperah ...	Comillah	2	1	...	1	...	1	1	...	...	2	350.2	30.8	...	35.6	...	18.8	26.1	...	...	153.4
Patna	Patna City ...	11	4	4	...	2	4	8	5	5	13	132.7	14.3	12.4	...	9.3	7.2	17.9	13.8	18.4	48.9
Gya	Gya	14	18	8	9	2	4	8	9	6	13	406.7	147.3	59.5	63.5	19.9	14.1	32.7	47.9	47.5	131.3
Shahabad ...	Arrah	3	10	1	6	3	7	4	2	1	4	121.1	117.3	10.1	70.6	48.6	46.3	32.3	22.2	16.8	72.1
Mozufferpore ...	Mozufferpore ...	5	14	12	2	4	6	...	2	1	4	272.3	180.2	138.7	26.3	68.6	36.4	...	20.8	16.0	85.5
Durbhanga ...	Durbhanga ...	9	2	3	2	3	3	2	1	2	6	300.6	13.7	19.9	18.7	33.8	11.7	9.3	7.0	23.7	97.7
Sarun	Chupra	13	5	2	...	1	6	2	4	1	9	479.1	50.4	17.5	...	15.0	33.9	13.4	34.2	12.6	137.8
Bhagulpore ...	Bhagulpore ...	8	6	3	3	5	5	2	4	1	13	289.9	46.1	22.1	21.5	52.6	19.9	9.5	27.2	10.3	157.1
Monghyr ...	Monghyr	17	10	8	...	2	7	4	4	...	6	595.3	133.7	58.9	...	27.5	35.2	23.3	32.6	...	87.0
Purneah ...	Purneah	...	...	...	...	...	1	1	2	2	...	...	...	...	...	...	15.8	18.2	56.1	111.0	...
Poori ...	Poori	1	2	...	...	...	2	1	2	3	6	171.0	57.9	...	...	...	19.7	12.8	31.3	69.9	172.8
	TOTAL ...	116	106	53	30	30	65	51	60	33	112	235.4	58.6	24.7	16.0	19.1	15.8	15.0	24.7	21.9	67.7

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 24th August 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 22nd August 1891, as compared with the corresponding week of the previous year.

Name of Cargo.	Week ending Saturday, the 22nd August 1891.			Week ending Saturday, the 23rd August 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	521	1,12,650	1,916	350	76,125	1,323
Jute	65	25,575	463	79	20,675	418
Firewood	134	74,050	1,060	118	51,625	796
Other articles	900	1,98,205	2,858	732	1,86,140	2,528
Total ...	1,620	4,10,180	6,327	1,279	3,34,565	4,965

NALHATI STATE RAILWAY.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of July 1891, as compared with the same month of the previous year.

Staples	1890.		1891.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1891.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal ...	1,424	......	777	......	1,424	777	......	647
Cotton, raw ...	5	......	......	......	5	......	......	5
Cotton piece-goods—								
1.—European ...	19	......	5	......	19	5	......	14
Grains—								
2.—Rice ...	153	13	153	7	166	160	......	6
3.—Gram ...	......	......	1	......	......	1	1	......
4.—Others ...	107	......	88	......	107	88	......	19
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed ...	......	3	......	4	3	4	1	......
b.—Undressed ...	......	......	......	1	......	1	1	......
Jute—								
1.—Raw ...	......	......	......	49	......	49	49	......
2.—Gunny-bags and cloths ...	2	8	3	2	10	5	......	5
Lac—								
1.—Stick ...	......	1	......	1	1	1	......	......
Metals—								
2.—Iron ...	6	......	2	......	6	2	......	4
4.—Others ...	3	7	3	6	10	9	......	1
Oils—								
1.—Castor ...	2	......	4	......	2	4	2	......
2.—Kerosine ...	3	......	2	......	3	2	......	1
3.—Others ...	1	......	2	......	1	2	1	......
Oilseeds—								
1.—Linseed ...	......	......	6	......	......	6	6	......
2.—Mustard and rape ...	54	......	35	......	54	35	......	19
Provisions—								
1.—Ghee ...	1	......	7	......	1	7	6	......
3.—Others ...	5	104	13	58	109	71	......	38
Paper and pasteboard ...	4	......	2	......	4	2	......	2
Railway plant and rolling-stock ...	58	4	......	27	62	27	......	35
Salt ...	64	......	49	......	64	49	......	15
Silk, raw—								
2.—Indian ...	7	23	......	2	30	2	......	28
Silk piece-goods—								
2.—Indian ...	......	......	......	3	......	3	3	......
Spices—								
2.—Others ...	......	......	4	......	......	4	4	......
Stone and lime ...	3	1	......	......	4	......	......	4
Sugar—								
1.—Drained ...	11	......	4	......	11	4	......	7
2.—Undrained ...	31	......	5	......	31	5	......	26
Tobacco ...	16	5	11	3	21	14	......	7
Timber ...	16	......	......	......	16	......	......	16
All other articles of merchandise ...	44	6	111	28	50	139	89	......
Total ...	2,039	175	1,287	191	2,214	1,478	163	899

INCREASE.

Jute— Tons.

(1) Raw 49

Due to fair demand at Calcutta.

DECREASE.

	Tons.
Coal	647
This is due to increase during the last month.	
Cotton piece-goods—	
(1) European	14
Due to import by steamer plying between Jiagunj and Calcutta.	
Grains—	
(4) Others	19
Due to less import of paddy.	
Oil-seeds—	
(2) Mustard and rape	19
Less imported owing to dull market.	
Provisions—	
(3) Others	38
Due to failure of mango crop this year.	
Railway plant and rolling-stock	35
Due to less materials carried this year.	
Salt	15
Carried by boat.	
Silk, raw—	
(2) Indian	28
Exported by steamer.	
Sugar—	
(2) Undrained	26
Less imported owing to dull market.	
Timber	16
Not imported this year.	

R. G. MOOKERJEE,
Manager, Nalhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the week ended 15th August 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	218,576	2,36,863 12 0	18,61,110 30	4,69,767 5 0	12,976 11 0	7,19,607 12 0	73,752½	78,796	152,548½
Or per mile of railway	......	155 4 4	.....	307 15 1	8 8 1	471 11 6	......	......	......
For previous 6 weeks of half-year	1,422,774	14,33,123 7 0	1,28,02,075 20	30,50,100 12 0	1,00,163 15 0	45,83,388 2 0	404,118	545,277½	949,390½
Total for 7 weeks ...	1,641,350	16,69,987 3 0	1,46,63,186 10	35,19,868 1 0	1,13,140 10 0	53,02,995 14 0	477,8[illegible]½	624,073½	1,101,938½
Comparison.									
Total for corresponding week of previous year	226,404	2,28,707 4 4	18,65,141 10	4,12,197 0 0	15,755 13 11	6,56,720 2 3	64,581	77,662	142,243
Per mile of railway corresponding week of previous year ...	......	149 15 5	......	270 3 3	10 5 3	430 7 11	......	......	......
Total to corresponding date of previous year	1,558,513½	15,45,281 4 7	1,21,02,373 10	26,79,763 5 0	1,08,620 15 1	43,33,665 8 8	438,001	517,283	955,284

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 15th August 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,153	4,814 0 0	46,210 20	2,694 7 0	41 0 0	7,549 7 0	1,069	934	2,003
Or per mile of railway	160	84 2 7	808 0	47 1 8	0 11 6	131 15 9	......	......	......
For previous 6 weeks of half-year	57,423	28,328 15 0	3,55,714 0	21,293 0 0	288 0 0	49,909 15 0	5,516	4,152	9,668
Total for 7 weeks ...	66,576	33,142 15 0	4,01,924 20	23,987 7 0	329 0 0	57,459 6 0	6,585	5,086	11,671
Comparison.									
Total for corresponding week of previous year	8,750½	4,313 9 2	27,916 30	1,872 2 0	25 2 0	6,210 13 2	1,084	512	1,596
Per mile of railway corresponding week of previous year ...	153	75 6 7	488 0	32 11 8	0 7 1	108 9 4	......	......	......
Total to corresponding date of previous year	66,739½	33,878 14 1	2,50,425 30	14,934 9 0	268 8 9	49,081 15 10	6,654	4,214	10,868

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 15th August 1891, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,439	3,458 6 0	4,708 10	136 12 0	13 0 0	3,608 2 0	913	55	968
Or per mile of railway	......	155 6 11	......	6 2 4	0 9 4	162 2 7	......	......	......
For previous 6 weeks of half-year	108,589	26,104 4 0	27,974 0	976 14 0	72 0 0	27,153 2 0	5,089	389	5,478
Total for 7 weeks ...	123,028	29,562 10 0	32,682 10	1,113 10 0	85 0 0	30,761 4 0	6,002	444	6,446
Comparison.									
Total for corresponding week of previous year	14,722½	3,371 15 11	5,179 10	176 2 0	7 0 0	3,555 1 1	922	46	968
Per mile of railway corresponding week of previous year ...	......	151 8 9	......	7 14 8	0 5 0	159 12 5	......	......	......
Total to corresponding date of previous year	116,782½	27,996 10 9	30,537 0	1,069 14 0	38 7 3	29,105 0 0	6,157	303	6,490

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for the week ended 15th August 1891, *on* 162 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	13,439	8,691 0 0	28,912 0	5,903 15 0	47 0 0	14,731 15 0	3,846	1,496	5,342
Or per mile of railway	......	53 10 4	......	37 9 0	0 4 8	90 15 0	......	......	......
For previous 6 weeks of half-year	86,647	57,964 3 0	2,10,239 10	38,208 9 3	353 0 0	96,525 12 3	37,421½	8,568½	45,989¾
Total for 7 weeks ...	100,086	66,655 3 0	2,39,151 10	44,202 8 3	400 0 0	1,11,257 11 3	41,267½	10,064½	51,331¾
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 15th August 1891, *on 777 miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week... ...	138,517	62,350 0 0	4,98,968 0	1,28,750 0 0	10,150 0 0	2,01,250 0 0	26,000	32,226	58,226
Or per mile of railway	178	80 0 0	642 0	166 0 0	* 1 0 0	247 0 0	......	......	......
For previous 4 weeks of half-year	903,260	3,75,480 0 0	26,08,745 0	5,38,560 0 0	75,700 0 0	9,89,740 0 0	143,600	159,696	303,296
Total for 5 weeks ...	1,041,777	4,37,830 0 0	31,07,713 0	6,67,310 0 0	85,850 0 0	11,90,990 0 0	169,600	191,922	361,522
Comparison.									
Total for corresponding week of previous year	129,197	52,318 0 0	8,45,750 0	1,61,103 0 0	11,794 0 0	2,25,215 0 0	24,819	32,684	57,503
Per mile of railway corresponding period of previous year ..	167	67 0 0	1,088 0	207 0 0	* 2 0 0	276 0 0	......	......	......
Total to corresponding date of previous year	976,956	3,95,026 0 0	37,80,431 0	7,83,894 0 0	1,03,016 0 0	12,81,936 0 0	160,606	198,442	365,048

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 15th August 1891, *on 125 miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	26,544	8,820 0 0	36,406 0	2,630 0 0	100 0 0	11,550 0 0	4,000	1,672	5,672
Or per mile of railway	212	70 0 0	291 0	21 0 0	1 0 0	92 0 0	......	......	......
For previous 6 weeks of half-year	155,542	53,980 0 0	1,88,707 0	13,820 0 0	390 0 0	68,190 0 0	21,353	10,657	32,010
Total for 7 weeks ...	182,086	62,800 0 0	2,25,113 0	16,450 0 0	490 0 0	79,740 0 0	25,353	12,329	37,682
Comparison.									
Total for corresponding 12 days of previous year	23,363	7,331 0 0	40,876 0	3,476 0 0	93 0 0	10,900 0 0	3,890	1,950	5,840
Per mile of railway corresponding period of previous year ...	187	59 0 0	327 0	28 0 0	......	87 0 0	......	......	......
Total to corresponding date of previous year	183,610	58,030 0 0	2,58,465 0	17,148 0 0	1,716 0 0	76,894 0 0	25,412	13,093	38,505

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 15th August 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	15,652	5,370 0 0	11,677 0	790 0 0	80 0 0	6,240 0 0	3,059	847	3,906
Or per mile of railway	182	63 0 0	136 0	9 0 0	1 0 0	73 0 0	......	......	......
For previous 6 weeks of half-year	89,309	26,780 0 0	41,197 0	3,390 0 0	970 0 0	31,140 0 0	14,600	4,096	18,696
Total for 7 weeks ...	104,961	32,150 0 0	52,874 0	4,180 0 0	1,050 0 0	37,380 0 0	17,659	4,943	22,602
Comparison.									
Total for corresponding week of previous year	19,301	5,485 0 0	12,576 0	808 0 0	100 0 0	6,393 0 0	2,426	698	3,124
Per mile of railway corresponding period of previous year	224	64 0 0	146 0	9 0 0	1 0 0	74 0 0	......	......	......
Total to corresponding date of previous year	104,013	32,053 0 0	80,291 0	6,555 0 0	3,097 0 0	41,705 0 0	16,285	4,839	21,124

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 15th August 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,341	1,240 0 0	11,758 0	590 0 0	30 0 0	1,860 0 0	573	517	1,090
Or per mile of railway	123	45 0 0	431 0	22 0 0	1 0 0	68 0 0	......	......	......
For previous 6 weeks of half-year	18,014	6,650 0 0	52,622 0	2,890 0 0	120 0 0	9,650 0 0	3,058	3,020	6,078
Total for 7 weeks ...	21,355	7,890 0 0	64,380 0	3,470 0 0	150 0 0	11,510 0 0	3,631	3,537	7,168
Comparison.									
Total for corresponding week of previous year	2,816	953 0 0	7,765 0	422 0 0	17 0 0	1,392 0 0	546	326	872
Per mile of railway corresponding week of previous year ...	103	35 0 0	285 0	15 0 0	1 0 0	51 0 0	......	......	......
Total to corresponding date of previous year	21,652	7,862 0 0	75,610 0	4,081 0 0	132 0 0	12,075 0 0	3,667	3,581	7,248

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 8th August 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	84,690	34,620	2,90,680	35,100	7,510	77,200	10,847	14,517	25,364
Or per mile of railway	117·46	48·02	403·17	48·68	10·46	107·16	......	......	......
For previous 4¾ weeks of half-year	406,030	1,68,420	17,74,600	2,15,150	39,950	4,23,620	44,777	78,380	123,157
Total for 5¾ weeks ...	491,320	2,03,040	20,65,280	2,50,250	47,490	5,00,780	55,624	92,897	148,521
Comparison.									
Total for corresponding week of previous year on 691 miles open	*a* 74,123	23,171	*a* 2,51,852	21,418	5,690	50,269	11,708	10,997	22,705
Per mile of corresponding week of previous year	107·27	33·53	364·47	31·00	8·22	72·75	......	......	......
Total to corresponding date of previous year	*a* 423,837	1,47,093	*a* 14,15,180	1,51,112	37,245	3,36,260	63,365	69,192	132,557

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 8th August 1891.	Week ending 9th August 1890.	Week ending 8th August 1891.	Week ending 9th August 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	16,910 0 0	12,249 0 0	17,710 0 0	10,922 0 0
Goods	15,650 0 0	11,234 0 0	19,440 0 0	10,184 0 0
Other earnings	4,150 0 0	3,508 0 0	3,390 0 0	2,172 0 0
Total ...	36,720 0 0	26,991 0 0	40,540 0 0	23,278 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 1st August 1891	13,275	0	0
Corresponding period of 1890	2,038	0	0
Increase	11,237	0	0
Receipts per mile for week ending 1st August 1891	260	4	8
Corresponding period of 1890	39	15	4
Increase	220	5	4
Receipts from 1st July to 1st August 1891	47,722	0	0
Corresponding period of 1890	28,922	0	0
Increase	18,800	0	0

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CONTENTS.

RESOLUTION ON THE PROGRESS REPORT OF THE FOREST ADMINISTRATION IN BENGAL FOR 1890-91.

REVENUE DEPARTMENT—FOREST.

Calcutta, the 25th August 1891.

RESOLUTION No. 504For.

READ—

The Progress Report of the Forest Administration in Bengal for 1890-91.

The report was submitted to Government twelve days after it was due. It is written by Mr. E. P. Dansey, who assumed charge of the circle on the 9th October 1890, on which date Mr. Home availed himself of the furlough for 2 years granted to him. The most important administrative reform introduced by Mr. Dansey, with the sanction of Government, was the abolition of the system under which Divisional Forest Officers supervised the working of groups of subdivisions in addition, in some cases, to holding direct charge of one or more subdivisions, and the substitution of independent divisions, all directly under the Conservator. By this means the services of the Divisional Officers were made available for duties in regard to which the paucity of officers was

being keenly felt. The new and the old arrangement of charges are compared below:—

Old.				*New.*	
No.	Name of Division.	No.	Name of Subdivision.	No.	Name of Division.
1	Darjeeling ...	1	Darjeeling ...	1	Darjeeling.
		2	Tista ...	2	Tista.
		3	Kurseong ...	3	Kurseong.
2	Jalpaigori ...	4	Jalpaigori ...	4	Jalpaigori.
		5	Baxa	5	Baxa.
3	Chota Nagpur ...	6	Palamau ...	6	Palamau.
		7	Singbhum ...	7	Singbhum.
		8	Hazaribagh ...	8	Sundarban.
4	Sundarban.			9	Chittagong.
5	Chittagong.			10	Angul.
6	Orissa ...	9	Angul ...	11	Puri.
		10	Khurda ...	12	Direction.

The Working Plans Division had hitherto a nominal existence, and even after the redistribution of charges the number of officers available is not sufficient for keeping up a separate Working Plans Division. It has therefore been decided to abolish this division and to depute selected officers, when necessary, for the preparation of working plans.

The reconstitution of forest charges above described was only begun during the year under report, and it was not until the current financial year that the arrangements could be completed. The annual forms attached to the report under review have, however, been drawn up in accordance with the new arrangement of charges.

Area.

2. As compared with the preceding year, there was a decrease of 6 square miles in the area of Reserved forests, and 30 square miles in that of Protected forests on account of the disforesting of certain lands in the Sundarban forests for the extension of cultivation. The total area of Reserved forests stood at 5,189 square miles, and of Protected forests at 2,209 square miles, while there was no change in the area of Unclassed State forests and waste lands under the partial management of the Forest Department. There seems to be room for extension of the forest area in Chittagong; but it is mainly in the Darjeeling and Jalpaigori districts and in Chota Nagpur that efforts should be made to increase the forest area and meet the great demand for timber and fuel by the tea estates and the public. The forests in the Government estates of the Sonthal Pergunnahs are under the management of the civil officers: there is perhaps room for expansion here also, but for political reasons the Sonthal Pergunnahs require careful handling. The Conservator has been instructed to visit this district during the cold weather and to report upon the whole question of the forests there.

Boundaries.

3. The state of the boundaries between the Angul Reserves and the neighbouring Tributary States, and between the Singbhum Reserves and the Tributary estate of Keonjhar in Orissa, should be reported to Government separately.

Establishment.

4. Of 8 natives of Bengal who were sent to the Imperial Forest School at Dehra Dun during the past seven years, 5 have resigned their appointments. One has been on sick leave almost continuously since 1888, when he obtained a Ranger's certificate with honours, and one only of the number is reported to have borne a good reputation. This officer has done well and is now a Ranger on Rs. 50. Regarding the remaining individual not much is known, good or bad. On a review of the whole subject of an efficient executive Forest staff for Bengal, the Officiating Conservator thinks it deserving of consideration whether that staff should not be recruited, as far as possible, from among the hardier races of Northern and Central India. This is a serious assertion of the inferiority of the Bengali *personnel* in the Forest service, which the Lieutenant-Governor has perused with regret. If the natives of Bengal cannot show themselves fit for the work required, it will be incumbent on Government to seek for

better material elsewhere, but it is hoped that a greater encouragement of athletic exercises as a part of school education may help to train a generation which will not be liable to this reproach. In any case, Sir Charles Elliott has no wish to make a sudden change and will watch the working of the present system.

Legal Proceedings.

5. A probationary Forest Ranger, in charge of the Darjeeling Forest Depôt, was prosecuted for misappropriation of Government money to the extent of Rs. 970, convicted, and sentenced to three months' rigorous imprisonment with fine. The ringleader in the Chittagong murder and robbery case, referred to in paragraph 3 of the Resolution on the Forest Administration Report for the previous year, is still at large. The total number of prosecutions for breaches of the Forest law was 203, and of cases compounded 1,961, against 120 and 2,524 respectively in the previous year. There was an improvement in the percentage of convictions, being ·87 against ·80 in the year 1889-90. The Sundarbans Division is said to be responsible for the increase in the number of prosecutions, as well as the decrease in the number of cases compounded.

Fires.

6. It is noticeable that the most destructive fires occurred in the specially protected areas of the Jalpigori and Angul Divisions, where the supervision of the Divisional Officers was least efficient. It is reported that Mr. Green, who was in charge of the Jalpigori Division, could not go into camp during the warm months on account of ill-health. The Lieutenant-Governor thinks that Mr. Green ought in the circumstances to have taken leave. In the case of Angul, the Lieutenant-Governor regrets to find that the Divisional Officer, Mr. Richardson, was not aware of the occurrence of fires until he happened to go to the spot with the Conservator, and that he had delegated the duty of protection to a Forester wholly incompetent for the purpose.

Altogether there was an increase of 247 square miles in the specially protected area, 94 per cent. of the total area of reserves escaped fires, while there was a failure to protect 75 square miles, and no attempt made to protect 257 square miles.

Grazing.

7. The Conservator expresses an opinion that grazing is not less injurious than fires to a deteriorated Indian timber forest. The Lieutenant-Governor agrees in this view; but the Conservator appears to be also of opinion that grazing is, as a rule, only permitted for the purpose of increasing the Government revenues. The Lieutenant-Governor believes that the object will usually be found to have been not the increase of revenue, but a desire not to be hard upon the people, who grievously resent any restriction of their grazing rights. He has lately insisted, in the case of the Angul forests, on adequate grazing grounds being reserved for the cattle of the villagers, so that there may be no necessity for a modified admission of grazing rights within the forest area and no risk of injury to the growth of forest produce.

Plantations.

8. There was an increase in the area of plantations during the year from 3,012 acres to 3,143 acres in Darjeeling, Kurseong, and Chittagong, and in cultural operations from 999 acres to 1,138 acres in Darjeeling, Jalpaigori and Orissa. The total cost under this head is Rs. 6,977, against Rs. 6,604 during the previous year.

Outturn.

9. The total outturn of timber during the year was 8,332,421 cubic feet, of which 33,536 were removed departmentally, 8,224,361 were removed by purchasers, and 74,524 were free grants. The corresponding figures for the previous year are 44,173, 10,172,896, and 21,739 cubic feet respectively. The Sundarban Division is chiefly responsible for the large decrease in the quantity of timber removed by purchasers. Various causes are assigned for this. The Divisional Officer attributes the unfavourable result to the glut of sundri timber in the market owing to excessive exports in the previous two or three years. But Mr Dansey seems to favour the idea that indiscriminate fellings spread over wide areas have exhausted the valuable timber in accessible areas, and he thinks that better results may be expected by concentrating the fellings on selected areas by rotation. Sir Charles Elliott has, on his recent tour, considered the subject at Khulna, on the margin of the Sundarban, with the local Forest officers, and

has expressed his concurrence with the Conservator's view that the time has come for the introduction of the system of dividing the total area into blocks for annual operations: he has accordingly authorised the preparation of a Working plan on the lines suggested by Mr. Dansey for professional examination

10. The total outturn of fuel during the year was, excluding free grants, 16,597,245 cubic feet, as compared with 15,232,047 in 1889-90. Part of this increase is attributed to the prohibition practically imposed on the imports of charcoal from Sikhim into the station of Darjeeling. There was a falling off by 70 per cent. in the outturn of fuel by departmental agency in the Kurseong and Tista Divisions. In the latter the decrease is compensated by increase in the removals by purchasers; but in Kurseong there was an unaccountable decrease in both respects, which the Conservator might surely have enquired into himself instead of asking the Divisional Officer to do so.

The figures for the increased consumption of fuel in the Orissa Division are said to have been roughly calculated on the number of licenses issued to the ryots of the Khurda Government estates for fuel required for their own consumption. The data for the increase in free grants of fuel are equally untrustworthy; but in both cases exact figures have been used. Rough estimates of this description should always be in round numbers.

Financial results.

11. The following tables compare the financial results of the year under report and of the preceding year in a collected form:—

Financial results in Forest Divisions for the years 1889-90 and 1890-91, as shown in Form No. 58.

1889-90.

Division.	Receipt. Rs.	A.	P.	Expenditure. Rs.	A.	P.	Profits. Rs.	A.	P.	Loss. Rs.	A.	P.	Remarks.
Direction	5,818	15	10	30,876	0	1	......			25,057	0	3	
Working Plans				13,135	2	8	...			13,135	2	8	
Darjeeling	1,19,238	2	4	1,11,472	5	1	4,765	13	3	......			Comprising the Darjeeling, Tista and Kurseong sub-divisions.
Jalpaigori	55,931	2	0	46,270	1	11	9,661	0	1	......			Comprising the Jalpaigori and Baxa sub-divisions.
Chota Nagpur	19,304	2	7	46,801	11	5	.....			27,497	8	10	Comprising the Palamau, Hazaribagh and Singbhum subdivisions.
Sundarban	4,85,458	2	3	78,663	15	10	4,06,794	2	5	......			
Chittagong	73,038	2	9	32,50[illegible]	12	8	40,528	6	1	...			
Orissa	9,928	13	3	27,535	7	11	......			17,606	10	8	Comprising the Angul and Khurda subdivisions
Total for 1889-90	7,68,717	9	0	3,90,264	9	7	4,61,749	5	10	83,296	6	5	Surplus = Rs. 3,78,452-15 5.

1890-91.

Division.	Receipt. Rs.	A.	P.	Expenditure. Rs.	A.	P.	Profits. Rs.	A.	P.	Loss. Rs.	A.	P.	Remarks.
Direction	4,993	9	8	33,714	8	8	......			28,720	15	0	
Working Plans				17,060	5	5	....			17,060	5	5	
Darjeeling	1,29,101	1	7	1,18,454	12	0	10,646	5	7	......			Comprising the Darjeeling, Tista and Kurseong subdivisions.
Jalpaigori	55,356	2	4	47,812	2	9	7,543	15	7	......			Comprising the Jalpaigori and Baxa subdivisions.
Chota Nagpur	32,387	7	5	41,138	15	0	...			8,751	7	7	Comprising the Palamau, Hazaribagh and Singbhum subdivisions.
Sundarban	4,10,482	13	2	77,711	6	6	3,32,771	6	8	......			
Chittagong	82,249	10	8	38,764	6	6	43,485	4	2	......			
Orissa	12,605	6	5	29,631	5	3	...			17,025	14	10	Comprising the Angul and Khurda subdivisions.
Kosi drift wood	216	0	0	......			216	0	0	......			
Total for 1890-91	7,27,392	3	3	4,04,287	14	1	3,94,663	0	0	71,558	10	10	Surplus = Rs. 3,23,104-5-2.

The net revenue was Rs. 55,349 less than the preceding year; but, compared with the average of the five years ending 31st March 1890, there was an increase of Rs. 42,064.

12. There was a fall of Rs. 75,000 in the revenue of the Sundarban Division, though all other divisions show an increase: hence the gross revenue of the province for 1890-91 was less than in the preceding year by Rs. 41,000. On the other hand, the expenditure in all divisions increased by Rs. 14,000, chiefly under the head of Establishment, but the increase includes a sum of Rs. 2,201 written off the accounts in connection with the theft in the Kassalong Range, Chittagong, referred to in paragraph 21 of the Report for 1889 90. Such fluctuations are not uncommon, and, except in the Sundarban case, do not call for

explanation. The decrease in the Sundarban will, it is hoped, be recouped when a regular working-plan is introduced. The Lieutenant-Governor trusts that Mr. Dansey will, in his zeal for the improvement of Forest administration, not forget the necessity of contributing to the general revenue of the province. The Conservator thinks that the price of fuel at Darjeeling may well be raised in consideration of the increased cost of procuring it as the working recedes further from Darjeeling, and also of the price of firewood at other hill stations in India. No statistics are, however, given on the latter point. The deficits in some of the divisions are attributed by the Conservator to two causes: first, that the forests had been already exhausted before they came under the management of the Forest Department; and secondly, that they are surrounded by other forests, the supply in which is practically free: the latter cause serves, in the Conservator's opinion, to strengthen the reserves, which are not yet ripe for extensive cuttings. The idea of the previous depletion of forests as a cause of scanty revenue is one which has been sometimes advanced by Forest officers without sufficient investigation.

13. In conclusion, Sir Charles Elliott desires to express his appreciation of the way in which Mr. Dansey has carried out the duties of Conservator since he assumed charge of this post.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL REPORT OF THE GOVERNMENT CINCHONA PLANTATION AND CINCHONA FACTORY IN BENGAL FOR THE YEAR 1890-91.

FINANCIAL DEPARTMENT—MISCELLANEOUS.

Darjeeling, the 25th August 1891.

RESOLUTION No. 158T—F.

READ—

The Annual Report of the Government Cinchona Plantation and Cinchona Factory in Bengal for the year 1890-91.

In spite of the heavy rainfall of the year, the number of cinchona plants destroyed by landslips was less than in previous years of smaller rainfall, and no damage at all was done by hail. The policy of replacing the red bark, which, though rich in the inferior alkaloids, is comparatively poor in quinine, by the *Calisaya* and hybrid varieties which yield a large proportion of quinine, was steadily adhered to; 192,000 of the former kind were uprooted and not renewed, and 200,460 of the latter were put out in the plantation. The number of cinchona plants in the plantation on the 1st April 1891 was 4,515,861, while 234,000 seedlings were in the nurseries. The crop collected amounted to 293,972 pounds of dry bark against 304,705 in 1889-90, of which 106,150 pounds were of red bark, 105,848 of bark of *Calisaya Ledgeriana*, 66,730 of hybrid bark, 13,974 of *Verde* and *Morada*, and 1,270 of Crown or *Officinalis* bark. The whole of this crop, with the exception of a small quantity supplied on indent or sold to Government institutions, was made over to the Febrifuge Factory for disposal.

2. The outturn of the factory, which is generally regulated by the demand, was 4,031 pounds of cinchona febrifuge and 4,010 pounds of sulphate of quinine, against 6,578 and 1,833 pounds respectively in the previous year. The entire quantity was manufactured during the year by the fusel oil process, which has, in the last few years, successfully taken the place of the old acid and

alkali method of manufacture. The issues during the year where slightly less than those in 1889-90, as will be seen from the following table:—

	1890-91. lb	oz.	1889-90. lb	oz.
To Medical Depôt, Calcutta	850	0	2,197	0
Ditto, Bombay	1,400	0	2,224	0
Ditto, Meean Meer	1,000	0	......	
To Inspector-General of Civil Hospitals, Bengal	222	12	352	8
To Inspector-General of Jails, Bengal ...	110	8	149	9
To Commissariat Department for Port Blair	75	0	......	
Sold to Government officers and the public	3,973	3¼	2,756	0
Given as samples	15	1	1	0
Total ...	7,646	8¼	7,680	1

The decrease in the quantity of drugs issued to the Medical Depôts at Calcutta and Bombay occurred under the head of cinchona febrifuge. The issues of quinine to these two depôts rose from 674 pounds to 1,050 pounds. Of the total issues during the year, 3,789¼ pounds were of quinine, 3,837 of cinchona febrifuge, and 20 of crystalline febrifuge.

3. The revenue derived from the sale of sulphate of quinine, cinchona and crystalline febrifuge, cinchona barks and other products of the plantation, amounted to Rs. 1,18,576, against Rs 1,13,693-12-6 in the previous year.

	1890-91. Rs.	A.	P.	1889-90. Rs.	A.	P.
By sale of febrifuge, sulphate of quinine, &c. ...	60,881	0	0	43,112	13	0
By credit from the Medical Depôts and the Commissariat Department	52,956	4	0	63,374	11	6
By credit from the Inspector-General of Civil Hospitals, Bengal	3,141	12	0	5,056	2	0
By credit from the Inspector-General of Jails, Bengal ...	1,593	0	0	2,150	2	0
Total ...	1,18,576	0	0	1,13,693	12	6

4. The net profit of the year's working amounts to Rs. 17,040-2, a result which may be considered as satisfactory and quite sufficient. It must be remembered that in starting the cinchona plantations in this country, the Government did not aim at a profit: its object was to secure for the people a cheap remedy for fever, the commonest of all tropical diseases. The quinine manufactured at the Government Factory can now be sold at one rupee per ounce, while, as Dr. King remarks, quinine cost a good many rupees per ounce 29 years ago, when the cinchona enterprize was initiated by the Government of Bengal. This is a matter for much congratulation. Hardly any greater blessing to a fever-stricken country can be imagined than cheap quinine. Dr. King observes that it would be possible still further to reduce the price of quinine if all the charitable dispensaries in the province were to supply themselves with the Government drug instead of buying their quinine elsewhere. The Lieutenant-Governor has ascertained by personal enquiry, since Dr. King's report drew his attention to the subject, that many dispensaries procure their quinine from private stores at Re. 1-2 and Re. 1-4 per ounce, when they could purchase it from Dr. King at Re. 1 per ounce. This is an obvious absurdity. Not only is the Government quinine declared to be purer than much of the foreign quinine imported into the country, but also it is only reasonable that institutions helped by Government should draw their supplies of quinine from the Government Factory, and the Inspector-General of Civil Hospitals will be asked to look into the matter and consider what can be done to extend the demand for Government quinine in order to bring about a further reduction of price.

5. The thanks of Government are again due to Dr. King and Mr. Gammie for their efficient management of the Department.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Government of Bengal.

ANNUAL REPORT ON THE GOVERNMENT CINCHONA PLANTATION AND FACTORY IN BENGAL FOR THE YEAR 1890-91.

No. 770, dated Royal Botanic Garden, Seebpore, near Calcutta, the 9th July 1891.

From—BRIGADE-SURGEON GEORGE KING, M.B., F.R.S., C.I.E., Superintendent, Royal Botanic Garden, Calcutta, and of Cinchona Cultivation in Bengal.

To—The Secretary to the Government of Bengal, Financial Department.

I HAVE the honour to forward herewith the annual report of the Cinchona Plantations and Factory for the year 1890-91.

Twenty-ninth Annual Report of the Government Cinchona Plantation and Factory in British Sikkim for the year 1890-91, *by* BRIGADE-SURGEON G. KING, M.B., LL.D., F.R.S., C.I.E., *Superintendent of the Royal Botanic Garden, Calcutta, and of Cinchona Cultivation in Bengal, and Government Quinologist.*

1. The year under review was remarkable for its very heavy rainfall. This occasioned numerous breaks of communication with Darjeeling and with the plains, but the loss of cinchona trees by landslips was less than in years when the total rainfall was considerably less. No damage was caused by hail during the year.

2. *Changes in the Plantation.*—During the year 367,000 trees were uprooted. Of these, 192,000 were red bark trees and 175,000 were yellow, hybrid, and crown. The renewals amounted to 200,460, and consisted of 18,020 hybrids and 182, 440 yellow-barks (calisaya). In accordance with the policy of eliminating the red-barks, which has been followed for many years, no renewals were made of this sort. And the total number of them now remaining in the Plantation stands at under a million-and-a-half; ten years ago they numbered considerably over four millions. On the other hand, the stock of the quinine-yielding sorts (calisaya and hybrids) has risen within the same period from about half a million to three and three-quarter millions. The table printed as Appendix A to this report gives a census of the plants at the end of the year under review. The totals of all sorts there shown are 4,515,861 plants in the Plantation, and 234,000 seedlings in the nurseries.

3. *The crop for the year.*—The total crop harvested during the year was 293,972 pounds of dry bark. This total is made up of 106,150 pounds of red bark, 105,848 of bark of Calisaya Ledgeriana, 66,730 of hybrid bark, 13,974 of verde and morada, and 1,270 of crown or officinalis bark. The proportion of crop yielded by the old or Mungpoo plantation was 199, 670; by the Sittong plantation 57,440, and by the new plantation at Rungjung 36,862 pounds. The bulk of this crop was made over to the Factory; only a small quantity (784½lbs.) having been supplied to Government institutions or sold to the public.

4. *Expenditure on the Plantation for the year.*—The total budget allotment for the year was Rs. 74,020. It was, however, not found necessary to spend the whole of this, and a saving of Rs. 5,390-9-5 was effected. The net expenditure was therefore only Rs. 68,629-6-7, and it was distributed as follows :—

	Rs.	A.	P.
European establishment (including all salaries except that of Dr. King, Superintendent of the Botanic Garden, Calcutta , coolie labour, and office establishment	60,801	6	1
Keep of animals for plantations ...	900	0	0
Contingencies, &c., including service postage stamps, &c	4,835	9	9
Travelling allowance	279	12	0
Stores from England	1,812	10	9
Total ...	68,629	6	7

In return for this expenditure there was collected, as has just been shown 293,972 pounds of bark. The net cost of each pound of bark was therefore As. 3 pies 8·823.

5. *Factory.*—The whole of the manufacturing operations were conducted by the fusel-oil process, another year's experience of which only increases our previous confidence in its simplicity and efficiency. The budget allotment for the Factory for the year amounted to Rs. 35,950, of which, however, only Rs. 33,007-0-4 were actually spent; and this expenditure includes items of Rs. 4,691-2-5 for stores from England. If to this Factory expenditure there be added the cost of the bark used in the Factory during the year, the amount will stand thus:—

	Rs.	A.	P.
Cash expenditure on Factory (including Rs. 4,691-2-5 for stores from England) ...	33,007	0	4
201,568 pounds of bark (crop of 1889-90) at an average cost of annas 3 pies 4·338 per pound	42,348	2	9
48,662 pounds (crop of 1890-91) at an average cost of annas 3 pies 8·823 per pound ...	11,360	4	8
Total ...	86,715	7	9

The outturn obtained for this sum consisted of 4,031 pounds of cinchona febrifuge and 4,010 pounds of sulphate of quinine. Owing to the larger percentage which is obtained of febrifuge, I reckon that each pound of it cost about Rs. 8, whereas each pound of quinine cost about Rs. 13-9-3·91.

6. *Sales of Febrifuge and Quinine during the year.*—The total issues for the year were 3,837 pounds of febrifuge, 3,789½ pounds of quinine, and 20 pounds of crystalline febrifuge; and these were distributed as follows:—

	lbs.	oz.
To Medical Depôt, Calcutta—		
Cinchona febrifuge	200	0
Sulphate of quinine	650	0
To Medical Depôt, Bombay—		
Cinchona febrifuge	1,000	0
Sulphate of quinine	400	0
To Medical Depôt, Meean Meer—		
Sulphate of quinine	1,000	0
To Inspector-General of Civil Hospitals, Bengal (for district medical officers, Bengal)—		
Cinchona febrifuge	216	0
Crystalline "	6	12
To Inspector-General of Jails, Bengal (for jails and lock-ups in Bengal)—		
Cinchona febrifuge	99	8
Crystalline "	7	0
Sulphate of quinine	4	0
To Commissariat Department for Port Blair—		
Sulphate of quinine	75	0
Sold to Government officers—		
Sulphate of quinine	1,651	11¼
Sold to Government officers and to the general public—		
Cinchona febrifuge	2,315	8
Crystalline "	6	0
Given as samples—		
Cinchona febrifuge	6	0
Crystalline "	0	4
Sulphate of quinine	8	13
Total ...	7,646	8¼

7. *Stock Account.*—At the end of the year the stock of bark on hand amounted to 469,917 pounds. Part of this (viz. 224,607 pounds) was carried forward from previous years, and its average cost (as per last year's account) was annas 3 pies 4·338 per pound. The remainder (245,310 pounds) is the bark crop of the year under review, which has been shown to have cost annas 3 pies 8·823 per pound. The stock account at the end of the year under review, as well as that of the previous year, is given in the following table.

As much of the bark has now been held for some time, I have taken it at an overhead valuation of annas 3 per pound, which I consider a fair rate—

Stock on 31st March 1890.

	Rs.	A.	P.
Chemicals and stores	3,000	0	0
Cinchona febrifuge, 1,559¼ pounds, at Rs. 10-12-3·026 per pound	16,786	13	2
Crystalline febrifuge, 20 pounds, at Rs. 16-6-3 per pound ...	327	11	4
Sulphate of quinine, 1,562 pounds, at Rs. 11-14-3·026 per pound ...	18,583	0	5
Bark, 426,275 pounds, at an average of 3 annas 4·338 pies per pound	89,559	6	1
	1,28,256	15	0
Increase in value ...	100	9	0
Total ...	1,28,357	8	0

Stock on 31st March 1891.

	Rs.	A.	P.
Chemicals and stores ...	2,000	0	0
Cinchona febrifuge, 1,753¼ pounds, at Rs. 8 per pound ...	14,026	0	0
Sulphate of quinine, 1,783 pounds 4½ ounces, at Rs. 13-9-3·91 per pound	24,222	1	0
Bark, 469,917 pounds, valued at an average of 3 annas per pound ...	88,109	7	0
Total ...	1,28,357	8	0

The stock stands, therefore, practically at the same value as it did at the end of the previous year.

8. *Financial result of the year's working.*—If the figures which have been given in the previous paragraphs be collected, a balance sheet can be prepared showing the general result of the year's working. This is as follows:—

BALANCE SHEET.

DR.

	Rs.	A.	P.
To value of stock on 31st March 1890	1,28,256	15	0
To cash received from the Treasury during 1890-91 for expenditure on the plantations, viz., Rungbee, Mungpoo, Sittong, and Rungjung	66,816	11	10
To stores from England for plantations	1,812	10	9
To cash received from Treasury during 1890-91 for expenditure on Factory	28,315	13	11
To stores from England for factory	4,691	2	5
Profit on the year's working ...	17,040	2	1
Total ...	2,46,933	8	0

CR.

	Rs.	A.	P.	Rs.	A.	P.
By value of stock on 31st March 1891				1,28,357	8	0
By cash receipts from sale of sulphate of quinine, cinchona and crystalline febrifuge, and cinchona bark, &c. ...				60,885	0	0
By credit from medical depôts for cinchona febrifuge, viz.—						
Calcutta ...	2,800	0	0			
Bombay ...	14,000	0	0			
				16,800	0	0
By credit from medical depôts for sulphate of quinine, viz.—						
Calcutta ...	11,050	0	0			
Bombay ...	6,800	0	0			
Mean Meer ...	17,000	0	0			
				34,850	0	0
By credit from Commissariat Department for cinchona febrifuge supplied to the Commissariat Store and Shipping Officer for Port Blair				1,275	0	0
By credit from Inspector-General of Civil Hospitals, Bengal, for cinchona febrifuge and crystalline febrifuge supplied to medical officers of Bengal, viz.—						
For cinchona febrifuge ...	3,027	0	0			
For crystalline febrifuge ...	114	12	0			
				3,141	12	0
By credit from Inspector-General of Jails, Bengal, for cinchona and crystalline febrifuge and sulphate of quinine supplied to jails and lock-ups in Bengal, viz.—						
For cinchona febrifuge ...	1,393	12	0			
For crystalline febrifuge ...	122	0	0			
For sulphate of quinine ...	68	0	0			
				1,583	12	0
By credit from Medical Depôt, Calcutta, for cinchona bark ...				31	4	0
By credit from Inspector-General of Jails, Bengal, for cinchona bark supplied to the Medical Officer of the Alipore Jail Hospital				9	4	0
Total ...				2,46,933	8	0

The result of the year's working is therefore a profit of Rs. 17,040-2-1. Of this profit, the sum of Rs. 16,939-9-1 is in cash, and only the small sum of Rs. 100-9 represents increase in the value of stock. The largeness of the amount both of raw material and of manufactured product in stock shows that the producing capacity of the Plantation and Factory is greater than the demand for their products. This is a great economic disadvantage, for the best possible results of any producing agency are not obtainable unless it be worked up to its full power. And could the full production of the cinchona estate be taken off, it would be possible still further to reduce the price both of quinine and febrifuge. And I have little doubt that, were all charitable dispensaries to supply themselves with Government quinine, the fullest possible outturn of the Factory and Plantation might be absorbed. But the majority of these dispensaries are now administered by local boards and municipalities, and these bodies appear to prefer in buying their drugs to supplying themselves with quinine from other sources. This practice appears still more unfortunate when it is viewed in the light of the fact that the Government quinine has been shown by repeated analysis to be of the highest possible purity, which is a good deal more than can be said of much of the foreign quinine that is sold in Calcutta.

9. From the beginning of the year that has now been entered upon, the price of febrifuge has been reduced to Government officers to Rs. 10 per pound and the price of quinine to Rs. 16. When the cinchona enterprise was initiated by Government twenty-nine years ago, the price of quinine stood at a good many rupees per ounce, and the repeatedly avowed intention of Government was to reduce its price to one rupee per ounce. That intention has now been fulfilled, and the matter is one, I think, for congratulation.

10. The crop of bark for next year will, as usual, be regulated by the demand for quinine and febrifuge, which, I trust, may be considerably in excess of that of the year under review.

11. The sum of Rs. 2,327-8, received for grazing and land-rent from settlers on the cinchona reserve, was paid into the Darjeeling Treasury, no credit having been taken for it in the cinchona accounts.

12. The progress of the fuel plantation at Mungpoo has been most satisfactory, and a large extension of it above the level of the Sureil bungalow has been arranged for. A great number of Oak thinnings cut out during the previous year were used in the Factory, and proved to make most excellent fuel.

13. The Plantation and Factory have during the year been under the executive charge of the Deputy Superintendent, Mr. J. A. Gammie, whose excellent services require no commendation from me. Mr. R. Pantling, the senior assistant, was absent on furlough during the greater part of the year. His duties were performed to my entire satisfaction by Mr. G. A. Gammie. The other assistants, Mr. Parkes, who is in charge of the Rungjung plantation, and Mr. A. Hartless, who is stationed at Mungpoo, have both done excellent work. And the office staff under Babus Gopal Chandra Datta and Devendranath Basu have worked well.

14. The usual statistical returns are appended.

APPENDIX A.

Table showing the number and distribution of Cinchona plants in the Government Cinchona Plantations, Sikkim, on 1st April 1891.

MUNGPOO DIVISION.

	PLANTATIONS.				NURSERY.			
	Number in permanent plantation on 1st April 1890.	Number of plants uprooted during the year 1890-91.	Planted during the year 1890-91.	Number in permanent plantation on 1st April 1891.	Number of stock plants for propagation on 1st April 1891.	Number of seedlings and rooted cuttings in nursery beds for permanent plantation.	Number of rooted plants in seed and cutting beds.	Total nursery stock on 1st April 1891.
Cinchona Hybrid	971,750	50,000	18,020	939,770	4,000	20,000	...	24,000
" Succirubra	892,000	192,000	...	700,000	...	...	...	...
" Calisaya Ledgeriana ...	1,066,660	55,000	107,840	1,119,400	...	150,000	...	150,000
" " Verde and Morada.	107,300	5,000	...	102,300	...	...	...	...
" Officinalis	15,000	5,000	...	10,000	...	...	...	...
" Hard Carthagena ...	1	...	...	1	...	...	...	..
Total ..	3,052,611	307,000	125,860	2,871,471	4,000	170,000	...	174,000

APPENDIX A—*concluded.*

Sittong Division.

	Plantations.				Nursery.			
	Number in permanent plantation on 1st April 1890.	Number of plants uprooted during the year 1890-91.	Planted during the year 1890-91.	Number in permanent plantation on 1st April 1891.	Number of stock plants for propagation on 1st April 1891.	Number of seedlings and rooted cuttings in nursery beds for permanent plantation.	Number of rooted plants in seed and cutting beds.	Total nursery stock on 1st April 1891.
Cinchona Hybrid	221,940	10,000	...	211,940	...	10,000	...	10,000
" Succirubra	720,000	...	...	720,000	...	...	...	...
" Calisaya Ledgeriana ...	114,890	15,000	74,600	174,490	...	50,000	...	50,000
" " Verde and Morada.	12,000	...	...	12,000	...	...	...	...
Total ...	1,068,830	25,000	74,600	1,118,430	...	60,000	...	60,000

Rungjung Division.

Cinchona Hybrid	9,160	...	...	9,160	...	...	...	...
" Calisaya Ledgeriana ...	517,800	30,000	...	487,800	...	...	...	...
" Verde and Morada.	34,000	5,000	...	29,000	...	...	...	..
Total ...	560,960	35,000	...	525,960	...	...	...	

APPENDIX B.

Table showing the actual details of the year's planting, 1890-91.

	Hybrid.	Calisaya Ledgeriana.	Total.
Mungpoo Division ..	18,020	107,840	125,860
Sittong " ...	...	74,600	74,600
Rungjung " ...	...	...	...
Total ...	18,020	182,440	200,460

APPENDIX C.

Table showing the total number of Cinchona trees of all sorts standing in the Permanent Plantations on 31st March 1891.

	Red Cinchona, Succirubra.	Yellow Cinchona, Calisaya Ledgeriana.	Yellow Cinchona, Calisaya Verde and Morada.	Hybrid, unnamed variety.	Other kinds.	Total of all sorts.
Mungpoo Division ...	700,000	1,119,400	102,300	939,770	10,001	2,871,471
Sittong " ...	720,000	174,490	12,000	211,940	...	1,118,430
Rungjung " ...	......	487,800	29,000	9,160	...	525,960
Grand Total of all sorts	1,420,000	1,781,690	143,300	1,160,870	10,001	4,515,861

APPENDIX D.

Account of dry Cinchona Bark collected during season 1890-91.

	Root bark.	Stem bark.	Branch bark.	Total.	
	lbs.	lbs.	lbs.	lbs.	lbs.
SUCCIRUBRA—					
Mungpoo	23,450	17,570	12,850	53,870	
Rungbee	9,080	8,140	6,540	23,760	
Sittong	11,910	9,360	7,250	28,520	
Total Succirubra ...	44,440	35,070	26,640	106,150	106,150
LEDGERIANA—					
Mungpoo	12,230	8,230	7, 80	27,540	
Labdah	13,510	7,520	12,1 0	33,130	
Sittong	5,850	3,360	5,730	14,940	
Rungjung	10,154	6,675	13,409	30,238	
Total Ledgeriana ...	41,741	25,785	38,319	105,848	105,848
HYBRID—					
Mungpoo	17,410	12,030	13,970	43,410	
Labdah	4,780	2,440	4,320	11,540	
Sittong	4,590	2,610	4,580	11,780	
Total Hybrid ...	26,780	17,080	22,870	66,730	66,730
VERDE AND MORADA—					
Mungpoo	2, 90	1,380	1,680	5,150	
Sittong	980	590	630	2,200	
Rungjung	2,651	1,428	2,545	6,624	
Total Verde and Morada ...	5,721	3,398	4,855	13,974	13,974
OFFICINALIS—					
Labdah	520	290	460	1,270	
Total Officinalis ...	520	290	460	1,270	1,270
GRAND TOTAL OF ALL SORTS ...	119,205	81,623	93,144	293,972	293,972

APPENDIX E.

Stock of bark on 1st April 1891.

				lbs.
Succirubra	bark	...	...	57,468
Calisaya Ledgeriana	"	...	...	209,644
Officinalis	"	...	...	8,990
Hybrid	"	...	...	162,561
Verde and Morada	"	...	...	31,254
		Total	...	469,917

APPENDIX F.

Table showing the produce of the Government Cinchona Plantations in British Sikkim since their beginning.

Mungpoo Division.

				lbs.
Dry bark collected by	pruning and	thinning during	1869-70 ...	2,400
Ditto	ditto	ditto	1870-71 ...	12,500
Ditto	ditto	ditto	1871-72 ...	39,000
Ditto	ditto	ditto	1872-73 ...	*Nil.*
Ditto	ditto	ditto	1873-74 ...	16,000
Ditto	ditto	ditto	1874-75 ...	39,405
Crop of 1875-76	...	...	...	211,931
1876-77	...	...	... ...	207,781
1877-78	...	...	... ...	344,225
1878-79	...	...	... ...	261,659
1879-80	...	...	... ...	345,740
1880-81	...	...	... ...	348,560
1881-82	...	...	... ...	298,780
1882-83	...	...	... ...	358,100
1883-84	...	...	... ...	253,270
1884-85	...	...	... ...	300,125
1885-86	...	...	... ...	152,460
1886-87	...	...	... ...	146,979
1887-88	...	...	... ...	217,780
1888-89	...	...	... ...	293,750
1889-90	...	...	... ...	222,025
1890-91	...	...	... ...	199,670
			Total ...	4,272,140

Sittong Division.

				lbs.
Dry bark collected by	pruning and	thinning during	1879-80 ...	15,850
Ditto	ditto	ditto	1880-81 ...	28,965
Ditto	ditto	ditto	1881-82 ...	42,790
Ditto	ditto	ditto	1882-83 ...	38,880
Ditto	ditto	ditto	1883-84 ...	51,890
Ditto	ditto	ditto	1884-85 ...	39,076
Ditto	ditto	ditto	1885-86 ...	52,950
Ditto	ditto	ditto	1886-87 ...	78,652
Ditto	ditto	ditto	1887-88 ...	72,630
Ditto	ditto	ditto	1888-89 ...	67,740
Ditto	ditto	ditto	1889-90 ...	50,180
Ditto	ditto	ditto	1890-91 ...	57,440
			Total ...	597,043

Rungjung Division.

				lbs.
Dry bark collected by	thinning during	1888-89 ...	...	11,610
Ditto	ditto	1889-90 ...	...	32,500
Ditto	ditto	1890-91 ...	...	36,862
			Total ...	80,972

APPENDIX G.

Table showing the amount of Cinchona febrifuge, Crystalline febrifuge, and Sulphate of quinine, produced from the commencement to 31st March 1891, and the stock at the latter date.

	lbs.	oz.
Manufactured in 1874-75	48	10
Ditto 1875-76	1,940	6
Ditto 1876-77	3,750	12
Ditto 1877-78	5,162	0
Ditto 1878-79	7,007	0
Ditto 1879-80	9,434	13
Ditto 1880-81	9,296	0
Ditto 1881-82	8,010	0
Ditto 1882-83, viz.—		
Cinchona febrifuge	10,363	4
Crystalline „	300	0
Manufactured in 1883-84, viz.—		
Cinchona febrifuge	8,464	0
Crystalline „	250	0
Manufactured in 1884-85, viz.—		
Cinchona febrifuge	6,079	0
Crystalline „	385	0
Manufactured in 1885-86, viz.—		
Cinchona febrifuge	4,625	0
Crystalline „	118	0
Manufactured in 1886-87, viz.—		
Cinchona febrifuge	6,641	0
Crystalline „	149	0
Manufactured in 1887-88, viz.—		
Cinchona febrifuge	6,916	0
Crystalline „	1	0
Sulphate of quinine	331	8
Manufactured in 1888-89, viz.—		
Cinchona febrifuge	6,384	0
Sulphate of quinine	2,191	0
Manufactured in 1889-90, viz.—		
Cinchona febrifuge	6,578	0
Sulphate of quinine	1,833	2
Manufactured in 1890-91, viz.—		
Cinchona febrifuge	4,031	0
Sulphate of quinine	4,010	0
Total ...	114,299	7

	lbs.	oz.
Supplied to Medical Depôt, Calcutta, viz.—		
Cinchona febrifuge	31,520	3
Crystalline „	24	8
Sulphate of quinine	1,907	8
Supplied to Medical Depôt, Bombay, viz.—		
Cinchona febrifuge	15,600	0
Sulphate of quinine	874	0
Supplied to Medical Depôt, Madras, viz.—		
Cinchona febrifuge	6,730	0
Crystalline „	20	0
Sulphate of quinine	400	0
Supplied to Medical Depôt, Meean Meer, viz.—		
Sulphate of quinine	1,000	0
Supplied to Straits Settlements ...	30	0
Supplied to Colonial Government, Mauritius	150	
Supplied to Commissariat Department for Port Blair	155	0
Supplied to Inspector-General of Civil Hospitals, Bengal (for district medical officers of Bengal), viz.—		
Cinchona febrifuge	5,561	8
Crystalline „	103	4
Supplied to Inspector-General of Jails, Bengal (for jails and lock-ups in Bengal), viz.—		
Cinchona febrifuge	670	8
Crystalline „	58	8
Sulphate of quinine	4	1
Sold to Government officers for cash, viz.—		
Sulphate of quinine	2,311	15½
Sold for cash, viz.—		
Cinchona febrifuge	43,499	0
Crystalline „	986	8
Samples, viz.—		
Cinchona febrifuge	136	6
Crystalline „	10	4
Sulphate of quinine	9	13
Stock in hand on 31st March 1891, viz.—		
Cinchona febrifuge	1,753	4
Crystalline „	......	
Sulphate of quinine	1,783	4½
Total ...	114,299	7

APPENDIX H.

Cash Income for 1890-91.

				Rs.	A.	P.
Cash received from sale of cinchona febrifuge and paid into the Bank of Bengal and into other treasuries in Bengal, North-Western Provinces and Assam, &c.				32,385	12	0
Cash received from sale of crystalline febrifuge and paid into the Bank of Bengal				108	8	0
Cash received from sale of sulphate of quinine and paid into the Bank of Bengal and into other treasuries in Bengal and Assam				28,125	11	0
Cash received from sale of cinchona bark, &c., and paid into the Bank of Bengal				265	1	0
Crêdit for cinchona febrifuge supplied to the medical depôts, viz.:—	Rs.	A.	P.			
Calcutta	2,800	0	0			
Bombay	14,000	0	0			
				16,800	0	0

APPENDIX H—*concluded.*

	Rs.	A.	P.	Rs.	A.	P.
Credit for sulphate of quinine supplied to the medical depôts, viz. :—						
Calcutta	11,050	0	0			
Bombay	6,800	0	0			
Meean Meer	17,000	0	0			
				34,850	0	0
Credit for sulphate of quinine supplied to Commissariat Department for Port Blair				1,275	0	0
Credit for cinchona febrifuge supplied to Inspector-General of Civil Hospitals, Bengal (for district medical officers of Bengal)				3,027	0	0
Credit for cinchona febrifuge supplied to Inspector-General of Jails, Bengal (for jails and lock-ups in Bengal)				1,393	12	0
Credit for crystalline febrifuge supplied to Inspector-General of Civil Hospitals, Bengal (for district medical officers of Bengal)				114	12	0
Credit for crystalline febrifuge supplied to Inspector-General of Jails, Bengal (for jails and lock-ups in Bengal)				122	0	0
Credit for sulphate of quinine supplied to Inspector-General of Jails, Bengal (for the Superintendent and Medical Officer, Durbhunga Jail Hospital) ...				68	0	0
Credit for cinchona bark supplied to Medical Depôt, Calcutta				31	4	0
Credit for cinchona bark supplied to Inspector-General of Jails, Bengal (for the Alipore Jail Hospital) ...				9	4	0
Total credit in India ...				1,18,576	0	0

GEORGE KING, M.B., *Brigade-Surgeon,*

Supdt., Royal Botanic Garden, Calcutta, and of Cinchona Cultivation in Bengal, and Government Quinologist.

ENDOWMENT MADE BY BABU DWARKANATH PAL FOR THE ENCOURAGEMENT OF VEDIC LEARNING.

GENERAL DEPARTMENT—EDUCATION.

Calcutta, the 29*th August* 1891.

RESOLUTION No. 490.

READ—the following papers on the subject of an endowment of Rs. 5,000 made by Babu Dwarkanath Pal for the encouragement of Vedic learning in Bengal:—

Letter from Babu Dwarkanath Pal, dated the 14th February 1889.
„ from the Director of Public Instruction, No. 1590, dated the 16th March 1889.
„ to the Director of Public Instruction, No. 263, dated the 28th March 1889.
„ from the Director of Public Instruction, No. 423, dated the 10th June 1889.
„ from the Director of Public Instruction, No. 6825, dated the 12th December 1889.
Letter from the Director of Public Instruction, No. 4528, dated the 1st August 1891.

Babu Dwarkanath Pal having offered to make over Government securities of the value of Rs. 5,000 (which have since been received and deposited with the Accountant-General for safe custody) for the encouragement of Sanskrit learning in Bengal, a Committee was formed for the purpose of drawing up for the consideration of Government a scheme for carrying out the wishes of the donor. The following are the proposals made by the Committee as modified by the Director of Public Instruction:—

(1) that the entire proceeds of the endowment of Rs. 5,000 be devoted to the aid or maintenance of a Tol which should teach the Vedas and the Vedic literature only;
(2) that the Tol be under private management;
(3) that the grant be tenable by the Adhyapak of the Tol, who is to be a native of Bengal and to be appointed by a majority of the Trustees, so long as the Tol is maintained and is reported to be in a satisfactory condition by a body of visitors to be nominated by the Trustees;
(4) that the Trustees appointed to carry out the scheme be the Principal of the Sanskrit College, *ex-officio*, and in the first instance Babu Durga Das Basu, M.A., B.L., Munsif, and Babu Hemendra Nath Mitra, M.A., B.L., Professor in the Free Church Institution; and on the occurrence of any vacancy among the Trustees (other than the *ex-officio* Trustee), the remaining Trustees shall nominate for the sanction of Government, a person to fill the vacancy, provided that one at least of the Trustees shall be a person who is not in the service of Government;
(5) that rules for the proper guidance of the Adhyapak be framed by visitors nominated by the Trustees;
(6) that the Principal of the Sanskrit College be the Administrator of the Fund.

RESOLUTION.—The Lieutenant-Governor accepts the offer and approves the proposed terms of the trust as stated above. His Honour desires that an expression of his thanks may be conveyed to Babu Dwarkanath Pal for his public spirit and liberality. A copy of this Resolution will be published in the *Calcutta Gazette.*

ORDER.—Ordered that a copy of this Resolution be forwarded to the Director of Public Instruction and the Accountant-General, Bengal, for information.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE POLICE DEPARTMENT FOR THE YEAR 1890.

RESOLUTION.

POLICE.

Dated Calcutta, the 31st August 1891.

READ—

The Report on the Administration of the Police Department for the year 1890.

Read also—

The Report for the year 1889 and the orders of Government recorded thereon.

General.—The Police Report for 1890 was received on the 23rd July, Mr. Henry, the Officiating Inspector-General of Police, having been allowed by this Government to delay its submission for three weeks in consideration of his time being much occupied with special work arising out of the Report of the Police Committee. Although the Report for 1890 is written by Mr. Henry, who received charge of his office on the 2nd April 1891, Mr. Veasey was Inspector-General of Police during the whole year. The Lieutenant-Governor is glad to observe that the Officiating Inspector-General's remarks are contained in 87 pages, 15 less than in the Report of last year.

2. *Inspection.* - The present Report gives no statistics of the tours of inspection of the Inspector-General and Deputy Inspectors-General, or of the District Superintendents and their Assistants. It is merely said that, with the exception of Noakhali, all the districts were inspected during the year, presumably by the Inspector-General or a Deputy Inspector-General, and that the duty of inspection by District Superintendents and Assistant District Superintendents was on the whole well attended to. In future a statement should be submitted showing who have been District Superintendents and Assistant District Superintendents in each district during the year, and the number of days each officer was out on inspection duty.

3. *Sanctioned strength of the Police Force.*—Including the Railway Police, the sanctioned force in 1890 was 76 superior officers, 3,549 inferior officers, and 18,503 constables; but at the close of the year the subordinate officers were 59 and the constables were 34 below the sanctioned strength. The sanctioned strength for 1890 varied from that of the previous year in the addition of one District Superintendent and one Sub-Inspector, and in the decrease of 7 head constables and 1,274 constables; in place of the decrease in constables, 1,235 town chaukidars were sanctioned. The Police Budget grant was Rs. 41,59,000, but the actual expenditure only came to Rs. 40,19,887 against Rs. 41,81,342 of the year before. The following table shows the proportion of men employed on purely police work to area and population:—

PROVINCE.	Number of police.	Area in square miles.	Population.	Proportion of police to square miles.	Proportion of police to population.
Bengal Proper (excluding Hill Tracts).	12,527	70,956	38,020,611*	1 to 5·6	1 to 3,035
Behar (including Chota Nagpore).	7,222	71,105	28,929,933*	1 to 9·8	1 to 4,005
Orissa	1,447	9,762	3,865,106*	1 to 6·7	1 to 2,671
Total ...	21,196	151,823	70,815,650*	1 to 7·2	1 to 3,340

* These figures are the rough totals of the Census of 1891, which may be taken as approximately correct.

4. *Town Police.*—A large number of the town police have been replaced by town chaukidars. As this is a new measure, several District Officers have hesitated to pronounce an opinion upon its working at present; others seem satisfied. The town police are variously reported upon. They did not work well in the 24-Pergunnahs, Serajgunge, Chupra, Patna, Cuttack, and Puri. The Lieutenant-Governor notices that the working of the town police and of the town chaukidars has in some instances not been reported upon at all. He desires all District Superintendents and District Officers to pay attention to the subject in future reports. Street lighting, which is essential to efficient watch and ward at night, has not made very much progress throughout these Provinces. Not a

and not to punish the inhabitants for misconduct. Three hundred and thirteen special constables were appointed under section 17 of Act V of 1861 in the districts of Bankura, Durbhunga, Shahabad, Patna, Sarun, Khulna, Backergunge, and Sonthal Pergunnahs. Of these, 140 were appointed in Bankura for six days only in consequence of the anti-missionary riots. A portion of the Inspector-General's special reserve, consisting of one subahdar, six havildars, and 49 sepoys, were on duty in the Jessore district from 22nd April to 18th June on account of the anti-indigo riots.

7. *Charges of torture against the Police.*—There is not such a bad list of torture cases as usual. Two Sub-Inspectors of the Lohardugga district were convicted and sentenced to 6 and 3 months' rigorous imprisonment for maltreating several persons during an investigation; one, however, was acquitted on appeal and has been reinstated by the Commissioner. A head-constable in the Rajshahye district was sentenced to three months' rigorous imprisonment by the Sessions Court for conniving at the ill-usage of an accused person during an investigation. Two constables of the Darjeeling district were sentenced to a month's rigorous imprisonment each for maltreating a drunken prisoner in their custody, and another case in this district, which occurred just at the close of the year and was brought to light in 1891, has been visited with severe punishment. A constable in the Lohardugga district was dismissed for a similar offence, but there was not sufficient evidence to prosecute him. In Bogra a Sub-Inspector was dismissed for striking a European prisoner with a cane. Several charges of torture were found to be false, but there was not sufficient evidence on which to prosecute the accusers. Eight cases of extortion by the Police are reported, but no details are given. The Officiating Inspector-General says that these cases were of minor importance. In future the Lieutenant-Governor desires that details of all such cases shall be furnished.

8. *Punishments.*—The returns show that 1·1 per cent. of the officers and 1·5 of the men were punished during the year judicially for offences against the Penal Code; that ·2 of the officers and ·7 per cent. of the men were convicted under Act V of 1861, and that 46·0 of the officers and 16·2 of the men were departmentally punished. The figures for departmental punishments have decreased somewhat during the last three years, but are still exceedingly high. Mr. Henry makes no remarks upon the subject. The Lieutenant-Governor desires to repeat the remarks of Sir Steuart Bayley in last year's Resolution that District Superintendents, when inflicting punishments upon their higher subordinates, should not lose sight of the necessity of preserving the dignity of the latter in the eyes of policemen of the lower ranks, and should remember that injudicious severity may deter persons of respectability from offering themselves as recruits.

9. *Rewards.*—The Lieutenant-Governor is glad to observe that there was an increase of 146 in the total number of men wearing good-conduct stripes. Money rewards were given to 1,657 officers and men, and 39 men were specially promoted for good work. The Lieutenant-Governor notices with satisfaction the list of 39 names including those of Inspectors, Sub-Inspectors, head-constables, and constables who are found deserving of special commendation. The list given does not, however, include the name of writer-constable Mahomed Syed, who in another part of the Report is described as having most gallantly effected the capture of two of a band of Nepali dacoits.

10. *Cognizable cases in Bengal.*—The following statement shows the proportion of cognizable crime to population and police in the various provinces in India:—

Province.	Police.	Population.	Crime, cognizable (*vide* columns 4 and 6 of statement A, Part I).	Proportion of police to population.			Proportion of police to crime (cognizable).			Proportion of crime (cognizable) to population.		
				Policeman.		Persons.	Policeman.		Cases.	Cases.		Persons.
North-Western Provinces and Oudh, 1889	32,683	43,383,599	205,574	1	to	1,328	1	to	6·2	1	to	211
Punjab, 1889	20,175	18,842,264	79,553	1	to	933	1	to	3·9	1	to	238
Central Provinces, 1889	8,768	9,838,791	26,150	1	to	1,122	1	to	2·9	1	to	376
Bombay, including Sind, 1889 ...	18,977	15,676,446	40,463	1	to	826	1	to	2·1	1	to	387
Madras, 1889...	21,142	33,646,666	134,687	1	to	1,591	1	to	6·3	1	to	249
Assam, including Frontier Police, 1889.	4,663	6,173,846	11,555	1	to	1,324	1	to	2·4	1	to	534
Bengal (excluding Chittagong Hill Tracts), 1889.	23,381	65,964,160	121,052	1	to	2,821	1	to	5·1	1	to	544
Bengal (excluding Chittagong Hill Tracts), 1890.	*21,196*	*70,815,650**	*119,148*	*1*	*to*	*3,340*	*1*	*to*	*5·6*	*1*	*to*	*594*

* These figures are the rough totals of the census of 1891, and may be taken as approximately correct.

The following table shows the incidences of crime and police in Bengal arranged by divisions:—

Division.	Police.	Population.	Crimes, cognizable.	Proportion of police to population.	Proportion of police to crime (cognizable).	Proportion of crime (cognizable) to population.
Burdwan ...	3,593	7,660,699	16,580	1 to 2,131	1 to 4·4	1 to 462
Presidency ..	3,508	8,498,973	14,945	1 ,, 2,422	1 ,, 4·2	1 ,, 568
Rajshahye ..	2,485	8,063,751	12,534	1 ,, 3,220	1 ,, 5·0	1 ,, 638
Dacca ...	2,222	9,790,653	13,421	1 ,, 4,406	1 ,, 6·0	1 ,, 729
Chittagong ...	1,713	4,047,138	4,868	1 ,, 2,360	1 ,, 2·8	1 ,, 835
Patna	4,294	15,738,510	29,137	1 ,, 3,665	1 ,, 6·7	1 ,, 540
Bhagulpore ..	2,132	8,545,836	14,515	1 ,, 4,008	1 ,, 6·8	1 ,, 588
Orissa ..	1,521	3,865,106	7,083	1 ,, 2,541	1 ,, 4·6	1 ,, 545
Chota Nagpore	1,476	4,645,387	6,847	1 ,, 3,147	1 ,, 4·6	1 ,, 678

Comparing columns 5 and 7, it appears that the Patna Division is undermanned, whilst Chittagong is overmanned.

The percentages prescribed by the Government of India as tests of Police work are not at all well used in the Report under review, and in some cases are incorrectly worked out. The number introduced in paragraph 54 is much too large for any practical purpose; only the more important tests should be used. Confusion is caused by applying them to each class of crime separately; they should in future be applied to the results of classes I—V taken together, and also to the whole figures in classes I—VI taken together, and should be compared in this way with those of the previous year. Some deductions should then be drawn from the figures obtained.

The more important tests—

a_1 percentage of cases investigated by Police to cases reported;

a_4 percentage of Police cases ending in conviction to cases decided;

b_3 percentage of persons convicted in Police cases to persons sent up for trial,

c_2 percentage of cases in which property was recovered to cases in which property was lost,

should be applied to each district, and a general order of merit established; which should be corrected by the Inspector-General's knowledge of facts and acquaintance with individual cases. The Officiating Inspector-General has attempted to draw no conclusions from the averages given by him, and it is difficult to draw any owing to the arrangement adopted.

11. *Cognizable and non-cognizable cases.*—The following figures show the number of cognizable and non-cognizable cases reported for the last two years:—

	1889.	1890.	Decrease.
Cognizable	119,656	117,443	2,213
Non-cognizable	117,407	116,554	853
Total ...	237,063	233,997	3,066

The decrease in cognizable cases is chiefly under the head "Offences against property." It was under this head that the increases in 1887 and 1888 were chiefly observed. Behar showed the largest fall in cognizable crime in 1890, viz., 1,363 cases; then followed Orissa with 1,016 cases less than in 1889. Bengal and Chota Nagpore had only 535 and 152 cases less respectively. These results doubtless are due to food-grains having been more plentiful.

12. *False cases.*—The provincial percentage of cases declared false decreased somewhat, the figures for 1888, 1889 and 1890 being 6·0, 5·8, and 5·4 respectively. The divisional percentages varied from 6·6 in Chittagong to 3·6 in Orissa. There are considerable variations in the district percentages when compared with one another and with those of the previous year. The Lieutenant-Governor agrees with the Officiating Inspector-General that the disturbing cause of these variations is the system of classification adopted, which depends upon the views of individual Magistrates. The following remarks quoted from the report of the late Mr. Boxwell, Commissioner of Dacca, seem to His Honour to explain the subject clearly:—

"The mistakes we make as to what are and what are not false cases will be greater than the fluctuations in false cases from year to year. When a Magistrate and the High Court with the same facts or representation of the same facts before them, and without differing as

to the truth or falsehood of any one of the series of alleged facts, do not agree whether the case is false or not, it is unlikely that district and divisional returns will show much consistence."

Sir Charles Elliott agrees with the view taken by some officers that many of the so-called false cases merely reflect the innate habits of exaggeration of the people and their desire to drag civil cases into the criminal courts. He believes that it is very seldom that charges are deliberately and malignantly false, but many are magnified from proneness to exaggerate, to look at things perversely, and to be blinded by anger or self-interest. Such habits there is little hope of eradicating from the people, and prosecutions in these cases do little good. The percentage of prosecutions to cases declared false rose from 15·7 in 1889 to 18·9 in 1890, while the percentage of convictions to prosecutions was 32·3 against 27·2 last year. Most of the punishments awarded were slight. The Lieutenant-Governor has examined the records of a great number of these cases, and has found that they entail a great deal of useless and unremunerative work on the Deputy Magistrates. He considers that prosecutions should only be instituted where cases are deliberately and malignantly false, but that, when such cases are proved, severe punishment should be inflicted. The recent amendment of section 250, Criminal Procedure Code, which allows compensation up to Rs. 50 to be given in all cases where frivolous or vexatious charges are made, should meet all the more venial cases.

13. *Cases enquired into by the Police.*—The number of cognizable cases reported either to Magistrates or to the Police in 1890 was 117,443. Of these the Police investigated 81·4 per cent. The percentage of cognizable and non-cognizable cases reported to the Police, in which enquiry was refused, was 4·4 against 5·7 for 1889 and 5·4 for 1888. The Lieutenant Governor approves of the orders of Mr. R. M. Waller, late District Magistrate of Monghyr, who directed the Police to refuse enquiry in all cases of attempts at house-breaking where the criminal was reported to be unknown. His Honour thinks that in cases of house-breaking to commit theft and attempts at the same, where nothing is stolen, and where there is no clue given, enquiry should be refused by the Police. Similarly in cases of theft of sums below Rs. 5, where there is no clue, in cases which are purely of a civil nature, and in embroidered charges of assault, where the embroidery is doubtful, enquiry should be refused. To fix a maximum percentage beyond which cases should not be refused by the Police, as was done in Gya, is objectionable, because the Police are likely to take the percentage as a figure to be worked up to, regardless of the facts of the cases. Again, it is reported that in one district the Police were uselessly employed to investigate cases which were either not offences or not cognizable, their action being due, in the opinion of the District Officer, not to errors of judgment, but to dishonest motives; enquiry is being made by the Commissioner into this charge, and the Lieutenant-Governor trusts that there are few districts in which an assertion so discreditable to the supervision of the District Superintendent of Police can be supported. The whole subject is one that demands much attention from both District Magistrates and District Superintendents.

14. *Results of Police enquiry.*—The total number of persons arrested by the Police *suo motu* in 1890 was 85,989, of whom 60,780, or 70·6 per cent. (against 69·4 in 1889) were afterwards convicted. The number of cases afterwards found by the Magistrates to be true in which the Police enquired was 97,132; the percentage of convictions in those cases was 43·4.

15. *Sessions trials.*—The numbers of persons tried at the Sessions, and not the numbers of cases only, have been given. The following table shows the number convicted and acquitted for 1890 and for 1889:—

Year.	Persons convicted by Sessions or High Court.	Acquitted after Commitment.							Percentage of convictions.
		Class I, offences against the State and public tranquillity.	Class II, serious offences against the person.	Class III, serious offences against property.	Class IV, minor offences against the person.	Class V, minor offences against the property.	Class VI, other offences.	Total of persons acquitted.	
1889 ...	1,318	151	577	494	8	131	4	1,365	49·1
1890 ...	1,230	110	546	297	......	87	1	1,041	54·1

The numbers and percentages for each district in 1890 are as follows :—

Districts.	Persons convicted by the Sessions or High Court.	Persons acquitted.	Percentage of persons convicted to the number tried at the Sessions.	Districts.	Persons convicted by the Sessions or High Court.	Persons acquitted.	Percentage of persons convicted to the number tried at the Sessions.
Chittagong Hill Tracts ...	40	...	100	Midnapore	48	39	55·1
Singbhoom	9	1	90	Hooghly*	37	31	54·4
Rajshahye	47	7	87	Chumparun	25	21	54·3
Howrah*	28	5	84·8	Julpigoree	14	13	51·8
Bhagulpore	22	6	78·5	Gurjhats	8	8	50·0
Durbhanga	20	6	76·9	Furreedpore	32	34	48·4
Balasore	26	9	74·2	Lohardugga	20	22	47·6
Cuttack	31	11	73·8	Patna*	40	46	46·5
Rungpore	42	18	70	24-Pergunnahs* ...	42	52	44·6
Hazaribagh . ..	16	7	69·5	Purneah	10	13	43·4
Noakhally	9	4	69·2	Tipperah	21	28	42·8
Chittagong . ..	26	12	68·4	Moorshedabad* ...	12	17	41·3
Mymensingh	71	33	68·2	Mozufferpore	25	37	40·3
Backergunge .. .	75	36	67·5	Jessore	21	39	35·0
Darjeeling	8	4	66·6	Dinagepore	22	45	32·8
Monghyr	31	16	65·9	Bankoora	12	27	30·7
Maldah	37	20	64·9	Sonthal Pergunnahs	6	14	30·0
Dacca* . . .	52	29	64·1	Bogra	9	22	29·0
Nuddea*	40	24	62·5	Palamow	4	10	28·5
Beerbhoom .	9	6	60·0	Khulna	22	57	27·8
Manbhoom .. .	11	8	57·8	Pooree	9	27	25·0
Shahabad	35	26	57·3	Pubna	10	38	20·8
Gya	35	28	55·5	Burdwan*	10	44	18·5
Sarun . ..	51	41	55·4				

* The jury districts are designated by asterisks; their total percentage is 52·0 against 54·1 for all the districts.

The results of Sessions trials, though better than last year's, were far from satisfactory. The returns for England show that about 75 per cent. of the persons committed for trial are usually convicted. The poorness of the figures for Bengal is due, among other things, to wrong commitments being made by Magistrates; but, as the Officiating Inspector-General of Police points out, it is also due to the bad work done by investigating officers, and to the want of interest of the Police generally in Sessions trials. When District Superintendents were required to conduct all important cases before the Sessions, such cases were more carefully looked after. Since 1882 Government has relieved District Superintendents of this duty on account of the increase in their ordinary work. Sir Charles Elliott, however, desires that in districts where there are Assistant Superintendents of Police, these officers should be employed in watching Sessions cases both before the Committing Magistrates and before the Sessions. The Lieutenant-Governor has also under consideration the recommendations of the Police Committee upon this subject. He is endeavouring, in communication with the High Court, to secure Sessions being held at shorter intervals, and he is about to limit the power of commitments by Magistrates of the second class to specially selected officers.

The working of the Jury system in Bengal was much discussed during the year under review, and the conclusions of the Lieutenant-Governor have been submitted to the Government of India since its close.

16. *Class I.—Offences against the State and public tranquillity.*—The increase this year just balances the decrease of last year. The cases of coining were few and generally petty. There was an increase in 1890 of 53 in the total number of riot cases found to be true. The Dacca and Presidency Divisions showed considerable increases of 101 and 94 true cases respectively. The Burdwan and Rajshahye Divisions showed marked decreases. The increase in the Dacca Division occurred chiefly in the Faridpur district, but in all districts of this division the offence is common. For the increase in rioting in the Presidency Division, the Jhenida and Magura sub-divisions of the Jessore district are responsible: in 1889 there were in Jhenida 14 cases, in which 27 persons were sent up for trial, and in Magura 9 cases with 51 persons; for 1890 the figures were—in Jhenida, 65 cases and 418 persons, Magura, 86 cases and 624 persons. This serious increase of rioting was due to the strike against indigo cultivation. His Honour was glad to learn during his recent visit to Jessore that the relations between the indigo planters and the cultivators have since become friendly again. The rupture was to a great extent due to the injudicious interference of outside agitators.

1890	2,874
1889	2,818
1888	2,872

17. *Class II.—Serious offences against the person.*—There has been a net decrease of 362 cases, the numbers being 4,340 against 4,702. Cases of murder increased by 3 only, but the figures are higher than any of the previous years, since 1883. The figures are shown thus:—

1890	4,310
1889	4,702
1888	4,622

1884.	1885.	1886.	1887.	1888.	1889.	1890.
266	288	278	250	268	316	319

The percentages of convictions, both in cases and persons, were greater than in any of the previous years mentioned.

In one of the cases of murder, the jury at Hooghly acquitted a woman accused of murdering a child for the sake of her ornaments; but the High Court, on a reference being made by the Judge, set aside the finding, and sentenced the accused to transportation for life.

In the other cases under this head the chief fluctuations were a decrease of 126 under "Criminal force to public servants, &c.," and a decrease of 54 under "Grievous hurt."

18. *Class III.—Serious offences against property.*—The decrease of 2,739 cases under this head was almost entirely in lurking house-trespass and house-breaking cases (2,377), and the cause was no doubt the more prosperous agricultural season.

1890	... ...	25,085
1889	... ...	27,824
1888	... ...	25,247

There was a decrease of 42 from 172 in dacoity cases, which His Honour observes with satisfaction. There were only 2 cases of dacoity in Midnapore against 11 in the previous year. During the last two years 105 dacoits and their receivers in this district had been consigned to jail and the district now has rest. The Commissioner and the Officiating Inspector-General of Police agree that great credit is due to Mr. Munro, the District Superintendent, and his subordinates. Sir Charles Elliott also desires to acknowledge such good work. His Honour observes in one false charge of dacoity in Midnapore the complainant was convicted and sentenced to five years' rigorous imprisonment under section 211, Indian Penal Code. There was a decrease of 10 in dacoities in the Dacca Division, and none at all are reported from the Chittagong Division; this is attributed to the breaking up of a gang on the Tipperah-Noakhali frontier. There was a reduction from 36 to 20 in the dacoities reported from the Patna Division, but the Officiating Inspector-General of Police does not offer any explanation of this; his observations on the subject are confined to criticisms on the judicial results of the cases sent up for trial. The Lieutenant-Governor notices with pleasure the creditable conduct of Baboo Rash Behary Naik, Deputy Magistrate, who unravelled a difficult case of dacoity at Cuttack, five months after the occurrence, and after two Sub-Inspectors and an Inspector had been unable to find any clue. Cases of mischief by fire fell from 501 to 392, and 19 persons only were convicted. This is in all countries, especially in India, a most difficult crime to bring home. The number of robberies reported was 125, which was considerably below the average of the previous four years.

19. *Class IV—Minor offences against the person.*—The total number of cases under this class was 2,210 against 2,334. The two principal offences covered by these figures are wrongful restraint and wrongful confinement.

20. *Class V—Minor offences against property.*—The total number of cases for the last 3 years is shown in the margin. Mr. Henry does not attach much importance to the explanation that these cases vary with prosperous or bad harvests; and he is not satisfied that the decrease shown in the return is altogether real, as he is of opinion that a good deal of such crime goes unreported in Behar. He has compared the figures of 1890 for the Patna and Bhagulpore Divisions with those for 1889 from the whole of the North-Western Provinces, and from the comparison apparently draws the conclusion that crime is much better reported in those Provinces than it is in Behar. The comparison would have been more effective if the Patna Division in this Province had been compared with its neighbour, the Benares Division in the North-Western Provinces. The latter division, with about ten millions population, had in 1889 14,500 burglaries and 15,800 thefts reported; while Patna, with about 15 millions population, had in 1890, 7,200 bruglaries and 5,500 thefts reported. This certainly shows some difference either as to criminality or as to the registration of crime which requires further investigation.

1890	... ...	38,078
1889	... ...	41,032
1888	... ...	38,281

21. *Class VI—Other offences not specified above.*—Including public and local nuisances, the total number of cases was 76,878, which shows an increase of 4,489. Excluding these the figures are as in the margin. Prosecutions for nuisances, which have steadily increased of late years, showed an excess over last year's figures of 2,794, and over the figures of 1888 of 6,752.

1890	... ...	38,439
1889	... ...	38,950
1888	... ...	30,159

What are known to the Police as "bad livelihood" cases, viz., cases under sections 109 and 110, Criminal Procedure Code, showed an increase of 285 with more favourable judicial results. The total number of cases instituted on report by the Police was 2,359, and conviction was obtained in 1,436; 1,115 were tried in the villages of the accused. The delay in some cases was quite phenomenal. In Durbhunga one case is shown as having lasted 1,073 days up to 31st December 1890, since the report was first made to the Magistrate. The Officiating Inspector-General suggests that it might now be struck off, as the accused has absconded to Nepal. The Lieutenant-Governor thinks it might have been struck off before. One case in Noakhally lasted 350 days after process was issued by the Magistrate, one in Dacca lasted 257 days, and one in Dinagepore lasted 222 days. Special reports explaining the delays in these cases will be submitted by the officers concerned. As the necessity for holding a local enquiry was often pleaded as explanation of the delay in such cases, the Lieutenant-Governor, in Circular No. 3J—D, dated the 4th June last, modified the previous orders of 1877, which insisted upon enquiries being held on the spot. His Honour leaves the discretion to the trying Magistrate, and does so because he prefers a speedy decision in Court to a long deferred one on the spot, but he desires that, as far as possible, such cases shall be tried in or near the villages where the accused persons reside. These orders should have the effect of reducing the enormous average duration of these cases which are returned for some districts, but it is evident that there are other reasons for the delays shown. The Lieutenant-Governor is inclined to think that reports are often made by the Police upon insufficient facts; these reports are generally acted upon by the Magistrates, and when the Police find out that the evidence is weak, they apply for adjournments to get further witnesses. The Lieutenant-Governor directs that no report of this nature should be ordinarily sent to the Magistrate until the District Superintendent has recorded his reasons for thinking that a prosecution will be successful. It is one of the District Superintendent's duties to watch these cases carefully through every stage, and Sir Charles Elliott doubts whether this duty is adequately performed in many districts.

22. *Crime maps.*—The system of maintaining crime-maps, referred to in paragraph 146 of the Report, is an excellent one, and was praised in the Resolution of this Government for 1888; but the Lieutenant-Governor finds that there are many districts in which no such maps exist. Their preparation should be enjoined on every District Superintendent of Police, and they should be included in the Inspection Manual as a record to be produced before every inspecting officer.

23. *Police surveillance.*—The number of persons under Police surveillance is so many as 41,043, which is three times the jail population of the Province. These figures show an increase of 1,231 over those of last year. It is obvious, as the Officiating Inspector-General reports, that the Police are only able to look after a certain portion of this number. The Lieutenant-Governor considers that very much more discrimination in placing persons under surveillance is needed. The orders under which a criminal is placed under supervision are passed by the Magistrates, but besides these there is a system of "Police Registration" which is in the hands of the District Superintendent, and to which the Lieutenant-Governor has lately taken exception. The question is now under consideration.

24. *Miscellaneous cases.*—Excise cases show an increase of 444. Salt cases decreased from 1,713 to 1,448. The numbers of prosecutions under the Arms Act, 1879, for the last three years are 1,436, 1,335, and 1,470 respectively.

25. *Railway Police Work.*—The number of cognizable and non-cognizable Railway cases reported during the year was 3,116 against 3,373 in the preceding year, the decrease being chiefly among non cognizable cases. There were 172 accidents resulting in the death of 121 persons. The Officiating Inspector-General has included in these figures 15 cases of suicide. There were 27 cases of obstruction, for which 18 persons were convicted. No accident was caused, nor was any serious damage done by the obstructions, which are said as a rule to have been placed on the lines either by discontented railway coolies, or by villagers who had some quarrel with the gate-keepers about passing cattle or carts, the object being to get some one into trouble and not really to upset trains.

26. *Non-cognizable crime.*—The following table shows a net decrease of 853 cases throughout these Provinces:—

	Number of cases. 1889.	1890.	Increase.	Decrease.
Class I—Offences against the State and public tranquillity ...	8,581	8,175	...	406
„ II—Serious offences against the person	33	29	...	4
„ III—Serious offences against property	848	857	9	......
„ IV—Minor offences against the person	56,535	56,333	...	202
„ V—Minor offences against property	9,730	10,115	385	.....
„ VI—Other offences	11,356	11,284	...	72
Special laws	30,324	29,761	...	563
Total ...	117,407	116,554	394	1,247
Net decrease ...	......	......	853	

There was an increase of 623 cases under Public Nuisances, which fall under Class VI. In 550 cases less than last year it was found necessary to bind persons down to keep the peace on conviction. There was a decrease of 1,732 cases under the Bengal Municipal Act, 1884; of 733 under the Salt Act; and 344 for failure to register births and deaths. These were only partially counter-balanced by an increase of 710 cases under the Cattle-Trespass Act (B.C.) of 1871, and of 964 "Miscellaneous" cases. Process was issued in 75·7 of all non-cognizable cases. The percentage of non-cognizable cases investigated by the Police was 5·2 against 5·3 of the previous year. 47,393 persons were convicted, and 31, 052 were acquitted or discharged in non-cognizable cases.

27. *Remands.*—The number of A Forms sent up by Police was 37,134 against 38,605 in 1889. The percentage of A Forms decided in the first two hearings was only 54·7. The Lieutenant-Governor observes with much concern that 2,571 or 6·9 per cent. were remanded four times after the first hearing, 1,580 or 4·3 per cent. five times, 987 or 2·6 per cent. six times, and 2,032 or 5·5 more than six times. These numerous delays are unexplained. It seems scarcely credible that the percentages of A Forms in the following districts, which were remanded more than six times after the first hearing, should be as the figures below represent:—

Faridpur	15·5
Khulna	14·6
Dinajpur	13·0
Julpaiguri	12·4
Pubna	12·0

In circular No. 3060J, dated 5th August 1891, the Lieutenant-Governor has laid down rules for the closer supervision of their subordinate Magistrates by District Magistrates. He has directed the record of every case remanded more than three times to be examined by the District Officer when inspecting, and he has prescribed a form to be submitted fortnightly with explanations showing the number of prisoners in hajat on each Magistrate's file. District Officers should insist upon having clear explanations of all cases remanded more than three times. Sir Charles Elliott has found many cases of adjournments by subordinate Magistrates on slight or no reasons. These would have been obviated if the District Magistrates had exercised closer supervision. The Lieutenant-Governor holds District Officers directly responsible for delays which are not satisfactorily explained, and expresses his opinion that the figures quoted in this paragraph are not creditable to the officers concerned.

28. *Reconvictions.*—The number of offenders against whom previous convictions were proved was only 1,824, which shows a decrease of about 5 per cent. from last year's figures. Arrangements have been made to introduce the Bertillon system of anthropometrical measurements into several jails with a view to the better identification of previous convicts. The system is reported to have succeeded in Paris, and the Lieutenant-Governor hopes that it will be successfully introduced into all the jails of these Provinces.

29. *Criminal tribes.*—The only tribe mentioned by Mr. Henry is the Maghaya Domes of Behar, who are now settled in several places in the Chumparun and Sarun districts under the supervision of Government officers.

For want of legal authority, the surveillance over this tribe has been weak, and the management of the settlements has not been successful. This Government has reported to the Government of India that the Punjab Draft Bill, which was circulated for opinion, would suit the requirements of those Provinces.

30. *Absconders.*—The number of absconded offenders at the close of the previous year was 2,831, and the number entered during the year under report was 3,887, making a total of 6,718. Of this number 750 gave themselves up, 1,263 were caught, and 1,587 struck off the list.

31. *Administration.*—Mr. Veasey, who gave over charge after the close of the year, had held the office of Inspector-General since 14th October 1884, with the exception of a period of 15 months spent on leave. His administration has been efficient, being marked by intelligence and energy, and Sir Charles Elliott desires to record here the obligations of Government to him for his services in a difficult post.

32. *Conclusion.*—Since the close of the year under report, the Lieutenant-Governor has received the Report of the Committee appointed by this Government to enquire into the reform of the Police of these Provinces. A number of these recommendations have already been considered and adopted in whole or with modifications. The Government of India have, at the instance of this Government, sanctioned the improvements recommended in the pay and allowance of constables, involving a cost of $1\frac{3}{4}$ lakhs *per annum.* A Draft Bill to amend the Village Police has been submitted for the consideration of the Imperial Government, and is before local officers for report. Arrangements are now being made to improve the investigation of offences by the police, and to distribute investigating officers more in accordance with the criminal wants of the districts. Sir Charles Elliott hopes that most of the changes under consideration will be determined before the expiry of the present year, and that future reports will show that they have resulted in the increased efficiency of the Bengal Police.

ORDER.—Ordered that a copy of the above Resolution be forwarded to the Inspector-General of Police and the Commissioner of Police, Calcutta.

Ordered also that a copy of the Resolution be forwarded to all Commissioners of Divisions for information.

Ordered also that the Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secretary to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL REPORT ON THE WORKING OF THE CALCUTTA SHIPPING OFFICE AND OF THE SHIPPING OFFICES AT THE OUTPORTS FOR THE YEAR 1890-91.

No. 2215Marine.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

Dated Calcutta, the 31st August 1891.

RESOLUTION.

READ—

The annual report on the working of the Calcutta Shipping Office and of the Shipping Offices at the outports for the year 1890-91.

The Calcutta Shipping Office was moved in December last into the new building erected for the Port and Shipping Offices. By this arrangement the Shipping Office has obtained suitable accommodation, and its work is conducted under the immediate supervision of the Shipping Master. The acknowledgments of the Lieutenant-Governor are due to Lieutenant Petley, R.N., for the efficient manner in which he managed the duties of the Office.

2. The business of the Calcutta Shipping Office continued to increase. The receipts amounted to Rs. 36,908, and the charges, which were unusually low, to Rs. 19,887. The increase in the receipts was chiefly under the heads "Shipping fees" and "Discharging fees," and is attributed to the preference shown for native crews by both British and Foreign ships. The working of the office resulted in a net profit of Rs. 17,021-11-6, against Rs. 7,686-4-7 in the previous year. These sums are credited to Provincial revenue. The question of reducing the "fees" so as to more nearly balance receipts and expenditure is under consideration.

3. There was a decrease in the amount of the funds held in trust by the Calcutta Shipping Office. The decrease was mainly under the head "Deposit money of British seamen," and was due to the activity that prevailed during a part of the year in shipping and discharging transactions. On account of this activity it was possible to permit a relaxation of the rule requiring every British seaman discharged through the Shipping Office to deposit a portion of his wages as a condition of his obtaining his discharge. The total sum deposited amounted to Rs. 48,516, and the balance in hand at the close of the year was Rs. 3,317.

4. The numbers of seamen of all nationalities shipped and discharged through the Shipping Office during the year were 19,572 and 18,915, respectively, against 16,932 and 15,592, the corresponding numbers in the previous year. The increase is most prominent under both the heads in the case of Indian seamen, and, as has already been observed, is the result of the increased employment of lascars.

5. It appears from the returns that, with the exception of those included under the head "Portuguese," not a single Eurasian was shipped or discharged during the year. If Eurasians are included under any other head, the Lieutenant-Governor desires that they may be entered under a separate heading in future.

6. The amount remitted home by seamen's money-orders shows a further increase which is indicative of the beneficial effects of the law forbidding the payment of seamen's wages at a fixed rate of exchange, and requiring that their wages shall be paid at the current rate. It is satisfactory to learn that the condition of British seamen continues to improve.

7. The demand for native seamen during the year was greater than in any preceding year, and it is said that their capacity as sailors has so far been recognised that they are not infrequently taken as crews on board sailing ships.

8. Suitable steps were taken by the authorities of the Shipping Office to protect seamen from imposition. In several cases masters of ships were compelled to pay back money improperly withheld from the seamen working under them, and in one case in which a crew had complained of shortness of provisions, compensation was awarded to the men after due enquiry.

9. The question raised by the Bengal Chamber of Commerce relative to the rate of exchange to be adopted under the provisions of section 4 of 52 and 53 Vic., Cap. 46, for the payment of wages of seamen discharged in India, which was noticed in the Resolution on the Annual Report of the Shipping Office

for the year 1889-90, was decided by the Government of India during the year under review. It has been ruled that at the larger ports where it is possible to ascertain the exact rate, the market rate of exchange should be taken, the rate of the day on which the mail leaves being taken as the rate for the ensuing week, and that at the smaller ports where the market rate is not readily ascertainable the official rate fixed for the adjustment of all financial transactions between the British and Indian Governments should be taken. The market rate is taken at Calcutta and Chittagong, which are the only ports in Bengal where European seamen are ordinarily discharged.

10. The receipts of the Chittagong Shipping Office fell off from Rs. 537 in 1889-90 to Rs. 200 during the year under review. The receipts on account of the Trust Funds, including the balance at the commencement of the year, amounted to Rs. 10,808, and the total amount paid was Rs. 10,461. The numbers of seamen shipped and discharged during the year were 83 and 135, respectively, against 39 and 152 in the year before.

11. One seaman was discharged at False Point against two in 1889-90, but none were shipped. No seamen were shipped or discharged at Balasore or Pooree.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col.*, R.E.,

Secretary to the Government of Bengal.

LIBERALITY OF BABU ABHOY GOBINDA CHAUDHURY, A ZEMINDAR OF TANTIBUND, IN THE DISTRICT OF PUBNA.

No. 174T.—M., dated Darjeeling, the 21st August 1891.

From—H. H. Risley, Esq., Offg. Secy. to the Govt. of Bengal, Municipal Dept.,
To—The Commissioner of the Rajshahye Division.

I am directed to acknowledge the receipt of your letter No. 298J., dated the 8th August 1891, in which you bring to the notice of Government the liberality of Babu Abhoy Gobinda Chaudhury, a zemindar of Tantibund, in the district of Pubna, in incurring an expenditure of Rs. 1,975 for the construction of a cholera ward in the Pubna Dispensary compound.

2. In reply, I am directed to request that you will be so good as to convey to Babu Abhoy Gobinda Chaudhury the thanks of the Lieutenant-Governor for this act of liberality, and to say that this letter will be published in the *Calcutta Gazette.*

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 29th August, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
		BENGAL.		
		Western Districts.		
BURDWAN DIVN.	1	Burdwan August 29, '91 Culna ... Cutwa ... Raneegunge ...	1·68 2·98 1·04 0·61	Weather—clear and hot. Transplanting of *aman* nearly complete. Harvesting of *aus* going on. Prospects of *aman* and sugarcane fair. Supply of water and fodder sufficient. Prices of common rice:— Srs. Burdwan ... ... 16 } Culna ... ... 14 } per rupee. Cutwa ... ... 16 } Raneegunge ... ... 16 }
	2	Baukoora „ 29, '91	0·88	Weather—hot; sky lightly clouded. Transplantation of *aman* finished. *Aus* ripening. Sugarcane thriving. Condition of cattle good, and supply of fodder and water sufficient. Common rice selling at 17½ seers per rupee both at Sudder and Bishenpur markets.
	3	Birbhum „ 29, '91 Rampore Haut ...	0·86 2·21	Weather—seasonable. Rice crop doing very well. Sugarcane excellent. Price of common rice from 16 to 20 seers per rupee. Health of cattle normal. Fodder and water plentiful.
	4	Midnapur „ 29, '91	1·45	Weather—showery. Transplantation of *aman* rice nearly finished. Sugarcane doing well. Prices of common rice:— Srs. Sudder ... ... 16 } Contai ... ... 16 } per rupee. Tumluk ... ... 16 }
	5	Hooghly „ 29, '91 Serampore ... Jehanabad ...	1·35 0·99 1·34	Weather—clearing towards the close of the week; a period of fine weather set in by its end. All crops doing well. Water and fodder adequate. Cow-pox reported from Utterpara and Goghat and from Pursura in Jehanabad. In Jehanabad the outbreak is rather severe. Prices of common rice:— Srs. Sudder ... ... 13½ } Serampore ... ... 13½ } per rupee. Jehanabad ... ... 16 }
	6	Howrah „ 29, '91 Uluberia ...	1·05 1·44	Occasional showers. Prospects of crops favourable. Jute being cut. Supply of fodder and water good. Condition of cattle fairly good. Price of common rice 14 to 14½ seers per rupee.
		Central Districts.		
PRESIDENCY DIVN.	7	24-Perghs. September 1, '91	1·65	Weather—sunny and cloudy with occasional light showers. *Aus* in ear. Cutting of jute begun in places. Sugarcane doing well. Transplantation of *aman* still continues. Prospects reported to be favourable. Cultivation is retarded to some extent in some places in Mothurapore and Kulpi thannas in consequence of excessive rain and loss of ploughing cattle by disease. Cattle-disease reported from thanas Harowa and Bussirhat. Supply of fodder and water to cattle sufficient. Prices remain unchanged.
	8	Nuddea August 29, '91 Kushtea ... Meherpur ... Chuadanga ... Ranaghat ...	0·47 0·81 0·37 0·21 1·64	Weather—hot. Harvesting of *aus* continues. Sugarcane and turmeric doing well. *Aman* paddy, which was reported to be under water in parts of the Kushtea subdivision, has been partly saved from destruction by the plants rising above the flood water. Condition of cattle good, and supply of fodder and water sufficient.
	9	Khoolna „ 29, '91 Bagirhat ... Satkhira ...	1·09 0·50 0·88	Weather—hot with little rain. Prospects of *aus*, jute, and sugarcane good. Harvesting of *aus* and jute commenced. Transplantation of *aman* still going on in the south of the district; more rain wanted for it. Supply of fodder and water sufficient. Cattle disease abated in Sudder and Bagirhat subdivisions, but still prevalent in thanas Kaligunj and Asasuni.
	10	Jessore „ 29, '91 Jhenidah ... Magura ... Narail ... Bongong ...	0·83 0·63 0·38 0·60 2·45	Weather—hot and cloudy with occasional slight showers. Harvesting of *aus*, jute, and indigo still going on. *Aman* wants more water. Rivers rising slowly in Narail and Magura. Condition of cattle good, and supply of fodder sufficient. Price of rice stationary.
	11	Murshedabad „ 31, '91	0·91	Weather—hot. Harvesting of *bhadoi* nearly finished in Jungipore subdivision. Transplantation of *aman* still going on. More rain wanted. Cattle-pox has appeared in thana Kagram in Kandi subdivision. There is no want of supply of fodder.
RAJSHAHYE DIVN.	12	Dinagepur „ 29, '91 Thakurgaon ...	0·81 1·47	Weather—very hot and close. Rain badly wanted for transplantation of *haimanti* crop on high lands. Condition of cattle reported to be good. A little cattle disease in the west. Supply of fodder and water sufficient. Prices of rice unchanged.
	13	Rajshahye „ 29, '91 Nattore Nowgong ...	0·09 1·40 Nil	Weather—hot. Harvesting of *aus* and jute going on. Condition of *aman* not good for want of rain. Condition of cattle good. Supply of fodder sufficient.
	14	Rungpur „ 29, '91 Gaibanda ... Kurigram ... Nilphamari ...	0·68 0·05 1·14 0·81	Weather—hot and dry. Showers at the commencement of the week did some good and enabled more rice to be transplanted; about 12 annas have been transplanted, but high lands require rain. Harvesting of *aus* completed; outturn fully 12 annas. Jute harvest going on slowly.
	15	Bogra „ 29, '91 Sherpur ... Nowkhilla ...	0·49 Nil 0·60	Weather—sultry with occasional clouds. *Aus* and jute reported to be in good condition, and are being reaped. Transplantation of *aman* in progress, but some more rain is wanted. Common rice is being sold at 16 seers per rupee.
	16	Pubna „ 29, '91	0·10	Weather—hot and sometimes cloudy. *Aus* paddy and jute still being cut. Prospects of *aman* much improved by rise of rivers. Rainfall scanty during the week. More rain wanted for *aman*. Price of rice stationary. Condition of cattle good, fodder being sufficient.
	17	Darjeeling „ 29, '91	3·45	Weather—fair with occasional showers. Cutting of *bhadoi* crop nearly completed. Transplantation of *haimanti* rice still going on, but more rain needed.
	18	Julpigoree „ 29, '91	3·51	Weather—very hot. Rain wanted. Prospects of crops not favourable. Price of common rice 13 seers per rupee. Cattle disease prevalent at Alipur. Fodder and water sufficient.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
	Eastern Districts.			
DACCA DIVN.				
19	Dacca	August 29, '91	0·30	Weather—seasonable. Jute and *aus* are being cut. Prospect of *aman* appears favourable in low lands, but some damage is anticipated in high lands owing to want of sufficient rain and flood. The river is gradually rising. Fodder and water are available. Condition of cattle good. Cheapest rice sold at from 16 to 18 seers per rupee.
20	Furreedpur	„ 29, '91	0·86	Weather—seasonable. Harvesting of *aus* nearly finished. Steeping of jute in progress. Condition of standing crops fair. River floods slowly receding. No want of fodder for cattle. Rice selling at 16, 16, and 17 seers per rupee at Sudder, Goalundo, and Madaripur respectively.
21	Backergunge	„ 29, '91	1·78	Weather—seasonable. Prospect of *aman* crop fair. *Aus* almost harvested. Common rice selling at from 13 to 18 seers per rupee. Condition of cattle generally good, and supply of fodder and water ample.
22	Mymensingh	„ 29, '91	2·43	Weather—hot. Transplantation of *aman* not going on well for want of rain. Condition of cattle is good, and supply of fodder and water sufficient. Common rice sells at 13½ seers per rupee.
CHITTAGONG DIVN.				
23	Chittagong	„ 29, '91	1·61	Weather—seasonable. Transplantation of *aman* and harvesting of *aus* crop still continue. Prices steady.
24	Noakholly	„ 29, '91	0·89	Weather—very hot with little rain. *Aus* harvest almost over; general outturn under the average. *Aman* transplantation retarded for want of rain. Price of common rice has risen somewhat. Condition of cattle and supply of fodder as usual.
25	Tipperah	„ 29, '91	1·57	Weather—hot and close. Standing crops promise well. Rain wanted. Harvesting of jute and *aus* paddy continues. Fodder insufficient.
26	Chittagong Hill Tracts.	„ 27, '91	1·44	Weather—sunny and cloudy with occasional falls of rain. Harvesting of early *jum* paddy commenced. Transplanting of paddy in low lands continues. Common rice is being sold at 13 seers 5 chittacks per rupee. Cattle disease (rinderpest) continues. Fodder and water-supply good.
BEHAR.				
PATNA DIVN.				
27	Patna	„ 29, '91	1·71	Weather—hot and cloudy at times. Transplantation of paddy retarded for want of sufficient rain throughout the district. *Bhadoi* reported to be good all round. Prices generally stationary.
	Barh	...	0·70	
	Behar	...	0·26	
	Hilsa	...	1·73	
28	Gya	„ 29, '91	0·46	Weather—hot and occasionally cloudy. Paddy is being transplanted. Prospects of *bhadoi* crops favourable. More rain wanted in Aurangabad, Jehanabad, and Sudder subdivisions. Prices of food-grains stationary. Supply of fodder and water to cattle sufficient.
	Jehanabad	...	0·12	
	Nawada	...	1·16	
	Aurungabad	...	0·02	
29	Shahabad	„ 29, '91	0·75	Weather—hot and stuffy east winds; often none at all. In Bhabuah and Buxar subdivisions transplantation of paddy proceeding. In Sasseram and Arrah no transplantation going on except in lands irrigated by the canals, and consequently prospects of paddy are not so good as they were a week ago.
	Buxar	...	1·48	
	Bhabuah	...	0·68	
	Sasseram	...	0·16	
30	Durbhunga	„ 29, '91	0·76	Weather—hot with east wind. Prospects of *bhadoi* crop continue good in most places. Transplantation of late rice not progressing for want of sufficient rain. No cattle disease prevailing in the district, and supply of fodder sufficient. Prices remain unchanged.
	Somastipur	...	0·39	
	Madhubani	...	1·30	
31	Mozufferpur	„ 29, '91	0·29	A few showers everywhere in beginning of week; hot and clear weather in latter half of week. *Bhadoi* crop excellent. Rice crop still in good condition, but more rain wanted, and unless there is a good fall it will suffer on the higher lands. Indian-corn and *marua* are being cut in places. Plenty of fodder and water for cattle.
	Hajipur	...	0·64	
	Sitamarhi	...	0·32	
32	Sarun	„ 29, '91	1·01	Light monsoon weather. Hot and cloudy, with occasional showers. Prospects of *bhadoi* crops still good. More rain required for transplantation of paddy. Outturn of indigo above the average. Fodder and water-supply sufficient for cattle.
33	Chumparun	„ 29, '91	0·84	Weather—hot and bright; occasionally cloudy. Paddy transplantation still going on in places in Sudder. Prospects of *bhadoi* crops very good. Reaping of *sathi* commenced. Prospects of *aghani* good, but more rain wanted.
	Bettiah	...	0·83	
BHAUGULPORE DIVN.				
34	Monghyr	„ 29, '91	0·08	Light clouds with occasional showers. A break seems now to have set in. Harvesting of *bhadoi* going on; a full crop is expected. About two annas of rice remain to be transplanted. Prospects of this crop are dependant entirely on rainfall. Supply of fodder and water sufficient. Cattle-pox reported from some villages in Lukhiserai outpost.
	Beguserai	...	0·73	
	Jamui	...	1·26	
35	Bhagulpur	„ 29, '91	0·05	Weather—close and cloudy. *Bhadoi* crops are being harvested; yield expected to be good. Transplantation of winter rice going on. More rain wanted. Cattle disease reported. Price of common rice 14½ seers per rupee.
36	Purneah	„ 29, '91	0·52	Weather—cloudy and hot with light showers. Harvesting of *bhadoi* still in progress. Transplantation of *aghani* finished in Arrareah subdivision, but still going on in Kishengunge and head-quarters subdivisions. More rain wanted. It is estimated that more than half the normal area has been sown with *aghani*. Outturn of jute in Kishengunge subdivision said to be 8 to 10 annas. No cattle disease. Fodder plentiful.
	Kishongunge	...	1·89	
	Arrareah	...	1·63	
37	Maldah	„ 29, '91	0·97	Weather—hot with occasional light showers. Harvesting of *bhadoi* and transplantation of winter rice continue. Outturn of *bhadoi* expected to average about 10 annas. Prospects of other standing crops good. Condition of cattle reported to be good. Supply of fodder and water sufficient. Price of rice stationary.
	Chanchal	...	Nil	
	Shibgunge	...	1·13	
38	Sonthal Perghs.	„ 29, 91	0·70	Light and variable winds with occasional showers. More rain wanted in the east of the district for rice which is nearly all planted. Prospects of Indian-corn most favourable. Fodder and water-supply sufficient.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
ORISSA.			
Orissa Divn.			
39	Cuttack August 29, '91	1·74	Alternate rain and sun. Weather still warm. *Beali* is being reaped in some places. *Sarad* doing well except in some places in Kendrapara where it has been washed-away by floods. Cow-pox prevalent in some places in Kendrapara subdivision. Cattle suffering from want of fodder on account of rain and flood in Jajpur subdivision.
40	Pooree „ 27, '91	6·50	Weather—cloudy with occasional showers of rain. Puddling, transplanting and weeding of winter rice going on. More rain wanted in Banpur. *Beali* or early rice in ear. Miscellaneous crops doing well. Rivers have gone down. Price of common rice varying from 17 to 24 seers per rupee. Cattle disease reported from Kuspalla in Khoorda.
	Pipli ...	4·6	
	Gope ...	4·28	
	Khoorda ...	5·26	
	Banpur ...	1·92	
41	Balasore „ 29, '91	0·88	Weather—seasonable. *Beali* rice is being harvested. Weeding and transplantation of winter rice in progress. Cattle disease prevails in several parts of the district.
CHOTA NAGPORE			
South-West Frontier Agency.			
Chota Nagpore Divn.			
42	Hazaribagh August 29, '91	0·92	Light rain alternating with sun. Prospects of *bhadoi* crops and rice excellent. Prices falling.
	Giridih ...	1·46	
43	Lohardugga „ 29, '91	2·57	Weather—seasonable. Transplantation of winter rice is still carried on. More rain wanted. *Bhadoi* crops doing well. No cattle disease. Water and fodder for cattle are ample.
	Palamow (up to 24th Aug.)	1·28	
44	Singhbhoom August 29, '91	1·93	Weather—seasonable. Crops are all doing well. In the Kolhan *kheri* and *gundli* crops are being cut. *Bhadoi* crops ripening and *makai* being cut in places. Owing to high prices prevailing generally in the Kolhan some distress is reported, but roadworks are being opened in order to assist the people. As soon as the *bhadoi* crops are cut, matters are expected to become right again. Common rice sold at 13 seers per rupee.
45	Manbhoom „ 29, '91	2·25	Weather—seasonable. Prospects of crops good. Indigo outturn 12 annas. Rice selling at 15 to 16 seers per rupee.
	Govindpur ...	1·24	

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 1*st September*, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of May, 1891.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.†	Linseed.	Mustard seed.				Refined.	Unrefined.	Unmanufactured.	Manufactured.
	Rice.	* Paddy.	Total (in rice).															
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
BENGAL.																		
Burdwan	1,18,967	17,450	1,29,873	5,063	9,961	343	1,45,232	......	13,115	5,129	401	......	284	56	......	3	305	7
Beerbhoom... ...	94,343	...	94,343	7,405	5,190	1,659	1,07,657	......	5,810	11,113	......	......	41	597	......	... .	43	......
Midnapore	1,47,197	15,290	1,56,763	675	2,711	......	1,60,139	88	650	8,779	......	......	68	272	30	1,009	4	3
Hooghly	36,423	22,115	50,245	25,833	7,581	307	83,966	15,886	684,815	8,075	510	......	57	......	177	29,110	14,193	208
24-Pergunnahs ...	1,26,148	13,377	1,34,509	125	2,548	... .	1,37,182	13,314	805,664	1,721	... .	6	2,528	......	9,099	10,836	4,200	292
Nuddea	3,549	300	3,737	96,335	68,589	2,569	1,01,230	8,713	3,680	58,041	3,358	......	681	59	670	3,422	2,306	......
Khulna	7,462	6,800	11,782	......	1,685	......	13,417	3,413	......	100	5,004	......	75	......	350	10,775	...	......
Jessore	10,230	5,500	13,728	863	41,496	639	56,726	3,654	315	5,005	9,888	......	255	......	1,837	13,590	1,509	......
Moorshedabad ...	465	......	465	20,042	8,077	......	28,584	7,034	......	9,000	544	......	16	500	......	80	1	......
Dinagepore	14,600	139	14,746	......	125	... ..	14,871	577	96,810	.. ...	1,274	......	4	......	......	......	...	......
Rajshahye	673	......	673	204	2,874	......	3,751	4,490	3,535	2,401	770	......	... ..	515	......	......	...	......
Rungpore	5	.. ...	5	818	... .	......	823	46,027	4,935	238	2,858	3	201	......	......	......	24,155	......
Bogra	25,821	......	25,821	......	......	......	25,821	1,993	1,015	118	...	......	......	......	......	......	...	......
Pubna	......	... ..	......	......	557	......	557	2,32,300	579,040	971	12,516	......	......	......	......	......	...	......
Darjeeling	......	......	......	......	......	......	......	7,814	63,700	......	......	15,858	......	......	......	......	4,079	......
Julpigoree	......	......	......	......	......	......	.. ...	4,365	74,035	......	......	6,278	......	......	......	......	1,508	......
Dacca	300	......	300	2,792	1,059	......	4,151	1,83,919	3,570	794	9,648	......	2,664	......	......	......	5	......
Furreedpore ...	1,310	189	1,462	15,184	36,934	......	53,580	50,127	5,565	7,162	73,750	960	1,110	......	......	850	...	......
Backergunge ...	63,693	......	63,693	......	3,173	......	66,866	959	......	142	2,295	......	......	......	......	......	...	......
Mymensingh ...	......	......	... .	......	124	......	124	7,789	......	23	3,039	......	......	......	......	......	...	......
Tipperah ...	350	......	350	......	......	......	350	16,629	......	950	......	......	......	......	......	......	...	......
Chittagong ...	......	......	......	......	1,400	......	1,400	......	......	......	......	33	5,681	......	......	......	...	......
Noakholly ...	12,686	150	12,780	......	800	......	13,580	......	......	6,850	1,100	......	600	......	......	......	...	......
Total of Bengal ...	6,63,402	81,301	7,14,215	1,75,401	2,14,984	5,507	11,10,007	6,18,171	2,437,154	1,27,523	1,27,095	23,138	14,265	1,999	12,163	69,189	52,308	509
BEHAR.																		
Patna	1,036	2,097	2,347	14,222	19,624	18,597	54,790	818	420	1,68,176	31,357	......	178	2	776	303	1,088	1,364
Gya	......	......	.. ...	8,311	......	.. ...	8,311	......	140	54,332	5,051	......	......	35	1	1	...	319
Shahabad	......	......	......	53,074	18,196	... ..	71,270	......	105	28,417	6,248	......	......	3	......	5,465	...	......
Mozufferpore ...	25	......	25	5,920	... ..	1,015	6,960	......	......	13,306	8,145	1	......	......	......	......	301	......
Durbhunga ...	10	......	10	3,563	126	......	3,699	......	245	43,831	36,058	......	......	......	......	274	792	41
Sarun	......	......	......	......	......	......	......	......	70	3,272	783	......	......	......	......	266	...	......
Chumparun ...	......	......	......	1,648	... ..	367	2,015	......	.. ...	16,164	7,802	......	......	......	......	135	...	......
Monghyr	......	...	......	87,127	31,685	624	1,19,436	......	420	30,530	7,098	......	......	......	......	90	89	4
Bhagulpore ...	297	297	182	54,742	6,669	10,021	71,914	5,738	210	37,660	22,022	......	......	......	......	......	...	......
Purneah	164	......	164	3,718	932	100	4,914	13,486	710	1,203	7,483	......	......	......	......	108	9,077	......
Maldah	720	......	720	3,698	1,301	47	5,766	.....	......	1,782	......	......	......	......	......	......	...	......
Sonthal Pergunnahs.	13	390	201	97,096	11,101	2,411	1,10,809	598	945	38,313	20,228	......	1	274	......	......	...	......
Total of Behar ...	2,265	2,694	3,949	3,36,119	89,644	33,192	4,59,884	20,640	3,263	4,37,076	1,52,775	1	179	314	777	6,732	11,350	1,728
ORISSA.																		
Cuttack	40	20	52	......	......	......	52	109	......	......	......	......	......	......	......	......	...	......
Balasore	69,949	16,256	80,109	3,777	3,147	... ..	87,033	1,318	950	......	......	......	......	......	......	......	...	......
Total of Orissa ...	69,989	16,276	80,161	3,777	3,147	......	87,085	1,427	950	......	......	......	......	......	......	......	...	......
CHOTA NAGPORE.																		
Hazaribagh ...	......	......	......	......	1,815	......	1,815	... ..	665	976	......	220	......	2	......	......	...	......
Singhbhoom ...	......	......	......	......	297	......	297	......	......	295	......	......	......	......	......	......	...	......
Total of Chota Nagpore.	......	... ..	......	......	2,112	......	2,112	......	665	1,271	... ..	220	......	2	......	......	...	......
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	7,35,656	1,00,271	7,98,325	5,12,297	5,09,777	38,689	16,59,088	6,40,238	2,442,034	5,65,870	2,79,870	23,359	14,444	2,315	12,940	75,921	63,658	2,237
OTHER PROVINCES.																		
Assam ...	......	......	......	222		... ..	222	891	70	4,836	62,121	10,622	255	44	......	270	...	......
North-Western Provinces and Oudh.	8	......	8	14,30,798	25,861	17	14,56,684	......	1,190	4,11,615	26,175	344	17,652	31	180	1,119	17	10
Punjab	8	......	8	16,139	601	2,021	18,769	... .	35	20,655	......	341	2,220	......	......	......	...	......
Central Provinces	878	......	878	22,414	74,466	8,312	1,06,100	.. ...	......	17,182	......	......	.. .	3	.. ...	......	...	......
Rajputana and Central India.	......	......	......	316	... .	......	316	......	......	......	... ..	......	1,666	......	2	......	...	......
Berar	......	......	... ..	735	13,407	......	14,142	......	......	......	......	......	3,405	......	......	......	...	......
Bombay	......	......	......	......	...	... ..	... .	.. ..	... ..	......	......	......	18,557	......	......	......	1	4
Madras	......	... ..	......	... ..	3,239	......	3,239	......	.....	......	448	......	2,732	......	......	8,101	313	283
Burmah	......	......	......	......	5,091	......	5,091	......	... ..	......	......	......	393	11	......	......	335	12
Other places ...	31	.. ..	31	. ....	.. .	......	31	25	1,800	......	......	......	......	......	614	......	...	328
Grand Total of Imports in May 1891	7,36,581	1,00,271	7,99,250	19,82,921	4,32,433	40,069	32,63,673	6,41,154	2,445,129	10,20,158	3,68,614	34,666	61,324	2,404	13,736	85,411	64,324	2,874
Grand Total of Imports in May 1890	8,42,314	99,714	9,04,640	7,16,836	4,05,449	54,984	20,81,909	3,98,588	2,162,265	9,41,693	3,64,690	22,326	93,545	2,563	56,813	1,06,765	43,311	1,433

* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of May, 1891, *was as follows :—*

EXPORTED FROM CALCUTTA—	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar, Refined.	Sugar, Unrefined.	Tobacco, Unmanufactured.	Tobacco, Manufactured.
To Indian ports, viz.—																		
Bombay ...	1,27,589	......	1,27,589	......	......	......	1,27,589	......	2,402,650	......	5,051	504	3,403	......	710	......	...	14
Madras	21,742	......	21,742	87	13,109	449	35,387	......	180,000	......	......	1	......	321	71	......	...	2
Other ports in Madras ...	97,962	1,610	98,969	......	638		99,607	......	163,950	......	1,478	......	......	20	......	......	...	91
Burmah	4,677	......	4,677	1,133	13,617	1,198	20,627	53	1,535,300	......	......	103	152	13	651	216	3,670	204
Other Indian ports	60	......	60	82	867	......	1,009	......	25,550	......	......	......	10	2	1,684	336	1,278	13
Pondicherry ...	......	......	......	......	......	......	......	......	189,000	......	......	......	......	......	......	......	...	......
Sind	......	... ..	......	......	......	... ..	......	......	289,700	......	......	......	......	......	......	......	...	......
Total of Inter-portal trade ...	2,52,030	1,610	2,53,037	1,304	29,231	1,647	2,84,219	53	4,840,750	......	6,529	608	3,565	356	3,116	554	4,048	324
To Foreign ports—United Kingdom	53,927	......	53,927	4,27,503	72,035	......	5,53,765	3,12,719	314,700	4,95,368	43,408	26,696	5,331	262	......	2,087	...	25
Other Foreign ports	4,14,104	3,978	4,16,590	5,79,048	28,615	5,474	10,29,727	2,05,932	8,959,800	1,71,793	1,75,596	2,594	17,362	804	......	......	114	29
Total of Foreign trade	4,68,031	3,978	4,70,517	10,06,851	1,00,650	5,474	15,83,492	5,18,651	9,274,500	6,67,161	2,19,004	29,290	22,693	1,066	......	2,687	115	54
Grand Total of Exports in May 1891	7,20,061	5,588	7,23,554	10,08,155	1,29,881	7,121	18,67,711	5,18,704	14,121,250	6,67,161	2,25,533	29,958	26,258	1,422	3,116	3,241	5,063	378
Grand Total of Exports in May 1890	8,46,111	4,116	8,48,634	3,99,523	81,097	6,509	13,35,878	4,31,205	12,359,305	5,08,604	1,84,26[illegible]	11,335	1,01,201	1,031	4,962	1,695	6,975	731

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of May, 1891.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains.					Fibrous Products.		Oilseeds.		Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar.		Tobacco.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.				Refined.	Unrefined.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	3,10,946	65,440	1,30,829	1,37,282	3,475	72,238	1,535,074	54,568	55,159	......	1,264	124	8,037	36,763	15,278	1,535
„ river steamers ...	21,681	221	11,302	3,820	......	3,52,484	......	34,454	62,138	5,855	1,274	148	385	88	82	2
„ rail { E. I. Railway	2,11,352	21,492	18,02,594	2,09,710	44,854	23,281	24,745	8,76,671	1,70,361	906	25,449	1,503	950	7,743	8,558	432
„ rail { E. B. S. Railway.	55,195	169	34,505	68,115	740	1,34,558	838,390	52,863	80,508	27,872	3,674	618	1,687	9,549	33,145	......
„ road	66,027	3,361	......	2,032	......	10,621	44,020	1,598	......	......	2,302	......	7,054	23,163	6,612	286
„ sea	67,780	9,588	3,691	11,468	......	17,972	2,000	...	448	33	27,361	11	614	8,101	640	619
Grand Total of Imports in May { 1891 ...	7,30,581	1,00,271	19,82,921	4,32,433	49,069	6,41,154	2,445,129	10,20,158	3,68,614	34,666	61,324	2,404	13,730	85,411	64,324	2,874
Grand Total of Imports in May { 1890 ...	8,42,314	99,714	7,16,836	4,05,449	54,984	3,03,588	2,162,265	9,41,603	3,64,690	22,356	93,545	2,562	56,813	1,06,765	43,311	1,433

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of May, 1891.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Burdwan ...	3,17,220	6,888	233	1,200	30,429	97,430
Beerbhoom ...	3,15,490	......	134	1,043	19,550	61,635
Midnapore ...	2,57,880	800	2,569	......	17,754	15,598
Hooghly ...	1,31,143	7,270	538	192	8,069	45,570
24-Pergunnahs ...	1,83,005	6,298	707	......	15,116	8,830
Nuddea ...	3,35,748	......	1,078	......	25,286	62,486
Khulna ...	1,20,510	......	182	......	3,760	2,730
Jessore ...	1,07,410	......	900	......	20,017	9,625
Moorshedabad ...	1,71,500	1,722	129	28	3,803	15,470
Dinagepore ...	1,08,570	......	50	......	13,018	4,515
Rajshahye ...	2,33,500	......	156	......	14,012	4,095
Rungpore ...	2,34,430	......	331	......	17,378	3,570
Bogra ...	1,36,430	......	145	......	12,772	13,790
Pubna ...	2,12,590	......	201	......	31,181	5,405
Darjeeling ...	95,270	......	117	......	11,646	245
Julpigoree ...	72,730	......	215	......	7,623	......
Dacca ...	6,58,450	......	1,815	......	13,589	8,785
Furreedpore ...	1,61,910	......	646	......	21,922	37,310
Backergunge ...	1,48,820	......	348	......	12,136	6,685
Mymensingh ...	80,430	......	21	......	495	16,300
Tipperah ...	......	......	......	......	3,125	......
Chittagong ...	73,500	......	10	......	......	2,200
Noakholly ...	......	......	......	......	5,225	......
Total of Bengal ...	41,51,624	22,978	10,524	2,461	3,09,418	422,364
BEHAR.						
Patna ...	5,07,520	1,968	173	182	25,810	175,105
Gya ...	3,16,190	......	23	1,105	23,151	41,665
Shahabad ...	9,36,270	1,230	4	1,125	31,576	121,695
Mozufferpore ...	3,85,280	1,470	......	47	14,138	33,740
Durbhunga ...	9,96,030	6,519	62	879	38,507	84,490
Sarun ...	4,47,230	2,339	......	116	14,743	6,895
Chumparun ...	5,76,800	......	......	54	26,116	41,825
Monghyr ...	5,14,330	246	34	876	17,823	93,765
Bhagulpore ...	7,04,340	......	115	715	27,063	82,165
Purneah ...	4,01,980	......	92	506	21,430	10,070
Maldah ...	......	......	......	......	2,050	1,080
Sonthal Pergunnahs	6,07,670	615	156	848	24,711	130,570
Total of Behar ...	65,03,070	14,391	659	6,513	2,67,118	838,655
ORISSA.						
Balasore ...	33,270	21	615	1,711	10,548	23,350
CHOTA NAGPORE.						
Hazaribagh	1,57,200	......	......	134	11,428	4,200
Singbhoom	23,550	......	19	572	3,310	3,710
Manbhoom	1,69,820	......	40	1,754	22,542	10,675
Total of Chota Nagpore ...	3,52,600	......	59	2,460	37,280	18,585
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	1,10,40,633	37,390	11,857	13,145	6,33,859	1,302,954
OTHER PROVINCES.						
Assam	5,23,390	......	486	140	31,902	45,170
North-Western Provinces and Oudh	54,81,250	30,996	3,825	924	30,048	2,081,415
Punjab	8,76,820	10,005	447	99	2	648,340
Central Provinces	2,63,760	......	348	651	301	1,306,190
Rajputana and Central India	1,19,840	......	112	33	......	102,980
Berar	700	123	......	......	......	40,075
Bombay	18,554	546	13	......	......	2,403,070
Madras	30,477	262	39	1,679	......	344,550
Pondicherry	......	......	......	......	......	189,000
Burmah	1,71,637	20	485	3,817	......	1,535,800
Sind	......	......	......	......	......	289,700
Other places	23,828	1,908	......	4,637	10	9,274,500
Grand Total of Exports in May { 1891 ...	1,85,59,889	87,850	17,607	25,125	6,95,632	19,743,224
Grand Total of Exports in May { 1890 ...	1,81,01,970	57,550	19,407	31,507	8,15,144	14,940,088

The Sea-borne Trade of Calcutta in these Staples during the month of May 1891 *was as follows:—*

Imported into Calcutta—	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
From Foreign Ports—						
United Kingdom	83,01,075	......	6,740	......	4,63,204	......
Other Foreign ports ...	21,103	......	408	......	2,35,852	1,800
Total of Foreign Trade ...	83,22,178	......	7,148	......	6,99,086	1,800
From Indian Ports—						
Bombay	19,570	1,17,270	58	8,901	44,707	......
Madras	7,158	30,689	......	180	......	......
Other ports in Madras ...	......	......	......	394	......	......
Burmah	8,694	800	......	243	......	......
Other Indian ports ...	......	......	......	......	......	200
Total of Interportal Trade ...	35,422	1,48,759	58	9,718	44,707	200
Grand Total of Imports in May { 1891...	83,57,600	1,48,759	7,206	9,718	7,43,793	2,000
Grand Total of Imports in May { 1890...	1,18,21,314	2,57,503	19,514	14,120	8,45,970	6,100

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of May, 1891.

Specification of Routes.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	93,860	7,700	1,012	......	86,350	91,196
„ river steamers ...	7,30,730	......	2,664	140	57,112	51,508
„ rail { East Indian Railway ...	1,43,95,020	70,971	5,992	13,015	3,82,881	5,324,785
„ rail { Eastern Bengal State Railway ...	27,61,220	......	6,036	......	1,47,182	148,901
„ road ...	2,22,024	6,668	754	126	6,139	5,425
„ sea ...	3,56,235	2,511	1,149	11,844	15,908	14,121,250
Grand Total of Exports in May ... { 1891 ...	1,85,59,889	87,850	17,607	25,125	6,95,622	19,743,224
Grand Total of Exports in May ... { 1890 ...	1,81,01,970	57,550	19,407	31,597	8,15,144	14,940,088

STATISTICAL DEPARTMENT,
The 29th August, 1891.

C. E. BUCKLAND,
Offg. Secretary to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree ...	29·662	29·611	—	Calm	182	88·7	25th Aug.	75·6	23rd Aug.	86·7	78·8	82·8	—	81·7
		Gopalpore ...	29·663	29·624	+·016	NNW	100	87·7	28th "	79·3	23, 26 "	85·8	80·2	83·0	+0·1	82·6
		False Point ...	29·678	29·641	—·004	Variable	178	87·4	25, 29 "	75·0	25, 26 "	86·7	76·8	81·8	—0·9	81·5
	Cuttack	Cuttack ...	29·012	29·634	—·001	Calm		92·4	20th "	77·3	23rd "	88·2	78·4	83·3	—0·6	82·4
	Balasore	Balasore ...	29 636	29 636	—·010	Variable	91	89·4	29th "	77·7	25 & 26 "	87·1	78·6	82·9	+1·1	81·6
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·080	29·649	+·013	SEly	254	89·2	23, 24, 29 "	78·0	25th "	88·1	79·2	83·7	+0·4	82·5
	Midnapore	Midnapore ...	29 562	29·657	+·016	Ely	224	92·3	29th "	77·1	27th "	89·4	78·2	83·8	+1·3	81·5
	24-Pergunnahs, Howrah, Hooghly	Calcutta ...	29·609	29·666	+·033	E	120	89 6	20th "	78·2	26, 29 "	87·5	78 8	83 1	+0·7	82·1
	Burdwan	Burdwan ...	29 636	29·682	+·047	Ely	85	91·1	29th "	78 4	28th "	88·6	70·1	83·9	0	81·5
	Bankoora	Bankoora ...	29·401	29·650	+·033	E	78	90·1	20th "	77·1	26th "	87·4	78·1	82·8	+1·2	81·2
	Beerbhoom, West Burdwan	Raneegunge ...	29·402	29·695	+·058	ESE	76	90·5	29th "	77·8	25, 26, 27 "	88·1	78·4	83·3	+0·6	81·8
	Moorshedabad	Berhampore ..	29 671	29·686	+·045	E	102	90·6	25, 29 "	77·3	27 & 28 "	89 2	78·1	83·7	+0·4	81·4
	Nuddea	Krishnaghur ...	29·681	29·677	+·050	ESE	142	92·3	29th "	76·7	25th "	89·5	78·3	83·9	+1·6	83·0
	Jessore, Khoolna	Jessore ...	29·710	29·639	+·042	SE	127	90·2	29th "	77·4	28th "	88·1	78 6	83·4	—0·2	82·5
East Bengal.	Chittagong	Chittagong ...	29·692	29·726	+·015	SE	76	89 7	25, 29 "	74·1	25th "	88 2	76·7	82·5	+1·9	80·3
	Chittagong Hill Tracts	Demagiri ...						Observations not received.								
	Backergunge	Barrisal ...	29·729	29·683	+·037	Calm	77	90·8	25th Aug.	77·3	24, 29 "	86·9	78·0	82·5	+1·8	82·1
	Noakhally...	Noakholly ...	29·727	29·717	+·030	SE	222	89·5	29th "	75·8	20th "	86·9	78·0	82·5	+1·5	81·1
	Furreedpore	Furreedpore ...	29·728	29·715	+·042	E & SE	72	89·5	29th "	77·9	23rd "	87·2	79·3	83·3	+1·2	82·0
	Dacca	Dacca ...	29 ·35	29·705	+·034	E	122	90 6	29th "	78·2	23rd "	88·7	79·3	84·1	+0·8	82·6
	Commillah	Commillah ...	29·745	29·728	+·039	SE	61	91·3	28th "	73·8	29th "	89·7	77 0	83·4	+2·1	80·0
	Mymensingh	Mymensingh	29·708	29·717	+·033	ESE	93	91·7	29th "	74 1	25th "	87·8	77·7	82·8	+0·4	81·1
North Bengal.	Bogra	Bogra* ..	29·600	29·679	+·056	Ely	84	92·8	29th "	78·2	23, 28 "	89·9	78·8	84·4	+1·9	84·5
	Pubna	Serajgunge ...	29·711	29·707	+·038	Ely	59	90·1	20th "	77 2	25th "	88·2	78·9	83·5	+0·0	82·1
	Rajshahye	Rampore Beauleah.	29·069	29·688	+ 060	SEly	79	89·8	29th "	77·6	24th "	88·4	79·0	83·8	+1·3	83·2
	Maldah	Maldah ...	29·658	29·089	—	SE	84	94·6	29th "	78·9	26th "	91·8	79·7	85·5	—	85.0
	Dinagepore	Dinagepore ...	29·627	29·698	+·035	E	33	93·1	20th "	77·7	25th "	90·2	79·1	84·7	+1·4	83·3
	Rungpore	Rungpore ...	29·644	29·721	+·065	SEly	63	93·8	29th "	76·7	25th "	91·2	78·3	84·8	+2·0	84·4
	Julpigoree, Cooch Behar	Julpigoree ..	29·475	29·712	+·064	?	60	91·9	29th "	74 1	25th "	89·6	76·0	82 9	+0·5	81·1
	Darjeeling Hill Tracts ...	Darjeeling ...	23·000	—	+·076	Ely	76	67·1	25, 27 "	55 1	24th "	65·7	56·5	61 2	0	60·8
North Behar.	Purneah, North Bhagulpore	Purneah ...	29·622	29·699	+·064	Ely	48	92·2	29th "	75·7	25, 26 "	90·9	77·6	84·3	+0·9	83·6
	Mozufferpore	Mozufferpore	29·535	29·665	—	ESE	147	91·8	29th "	77·2	25th "	90·3	80 5	85·4	—	83·1
	Durbhunga	Durbhunga ...	29·582	29·700	+·063	ESE	122	91·9	29th "	78·0	25th "	90·7	70·1	84·9	+1·5	83·6
	Chumparun	Motihari ...	29·498	29·679	+·054	ENE	171	93·2	29th "	73·8	25th "	91·2	77·9	84·6	+1·5	82·3
	Sarun	Chupra ...	29·533	29·671	+·066	Ely	149	93·3	24, 29 "	77·6	26th "	91·2	78·9	85·0	+1·6	83·6
South Behar.	Shahabad	Dehree ...	29·341	29·643	+·022	SEly	256	91·3	28, 29 "	78·0	25th "	90·2	79·2	84·7	+2·7	83·3
		Buxar ...	29·471	29·664	+·047	E	210	91·4	29th "	76·7	26th "	90·0	78·6	84·3	+1·1	83·6
		Arrah ...	29·511	29·652	+·050	SEly	29	92·4	23, 29 "	76·6	25th "	91·4	79·2	85·3	+1·6	84·1
	Gya	Gya ...	29·328	29·654	+·036	E	136	91·4	29th "	77·8	25, 26, 28 "	90·8	78·8	84 8	+0·9	82·7
	Patna	Bankipore ...	29·537	29·670	+·041	E	172	92·9	28th "	76·2	25th "	90·9	79·6	85·3	+1·4	84·5
	South Bhagulpore, Monghyr	Bhagulpore ...	29·564	29·676	+·059	E	53	91·7	29th "	79·0	23, 25, 27, 28 & 29 Aug.	90·0	79·2	84·6	+1·3	83·4
	Sonthal Pergunnahs ...	Doomka ...	29·242	29·686	+·062	Ely	173	89·1	29th "	76·6	27th "	87·1	77·5	82·3	+0·5	82·1
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	27·720	29·665	+·038	SEly	225	85·7	24th "	73·3	26, 27, 29 "	83·6	72·9	78·3	+0·4	75·9
	Lohardugga, Manbhoom	Ranchee ...	27·591	29·654	+·029	Ely	162	83·5	25th "	71·4	26, 28 "	82·2	72·1	77·2	+0·4	74·8
	Singbhoom	Chyebassa ...	28·932	29·636	+·029	Ely	45	90·9	29th "	70·2	26th "	87·6	77·1	82·4	+1·0	80·3
Assam.	Sibsagar	Sibsagar ...	29·436	29·722	+·014	Ely		96·1	26th "	77·0	27th "	91·2	79·4	85·3	+1·8	82·7
	Goalpara	Dhubri ...	29·656	29·725	+·056	Calm	79	90·2	29th "	78·8	23rd "	87·8	77·9	82·9	+0·2	81·1
	Cachar	Silchar ...	29·675	29·730	+·017	Calm		93·5	29th "	73·8	23rd "	89·9	76·7	83·3	+0·5	78·6

* Mean of 5 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers
are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the
past stati ns in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 29th of August 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
87	7·0	5·20		2·37		10·71			34·04			3·30	Pooree ...	Pooree	Orissa.
68	5·0	1·07											Gopalpore ...		
89	0·1	5·47											False Point ...		
80	7·1	1·98	2·35	1·99	16·44	10·06	+6·38	31·68	35·02	−3·34	4·00	2·87	Cuttack ...	Cuttack	
88	5·0	1·72		1·68		10·02			35·30			2·67	Balasore ...	Balasore	
90	7·9	3·31	2·38	2·51	17·55	13·39	+4·16	43·27	41·73	+1·54	5·33	3·32	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
90	3·7	1·39	1·73	2 52	17·95	12·21	+5·74	42·46	38 03	+4·43	4·33	2·84	Midnapore ...	Midnapore	
89	8·0	1·72	1·12	1·95	11·63	11·75	−0·12	31·69	37·66	−5·97	3·60	3·27	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
86	3·7	1·68	1·67	2·08	11·82	11·04	+0·78	38·35	33·92	+4·43	4·00	2·97	Burdwan ...	Burdwan	
89	7·7	0·88	1·16	2·06	14·46	12·12	+2·34	40·45	39·68	+0·77	2·75	3·35	Bankoora ...	Bankoora	
87	2·4	0·51	1·06	2·48	12·37	11·75	+0·62	30·67	38·18	−1·51	3·00	3·11	Raneegunge ...	Beerbhoom ... West Burdwan ...	
94	8·3	0·91	0·59	2·60	4·19	10·71	−6·52	31·34	34·97	−3·63	1·67	3·21	Berhampore ...	Moorshedabad ...	
87	8·3	0·47	0·66	2·10	7·57	11·29	−3·72	32·36	35·21	−2·85	1·60	3·11	Krishnagur ...	Nuddea	
91	9·0	0·83	0·01	1·78	6·76	10·81	−4·05	33·77	38·36	−4·59	2·38	3·60	Jessore ...	Jessore ... ... Khoolna	
89	9·4	1·51	1·09	3·02	16·77	21·34	−4·57	74·69	88·01	−13·32	3·00	3·88	Chittagong ...	Chittagong	East Bengal.
			5·37	2·85	11·39	16·07	−4·68	57·27	60·66	−3·39	4·00	4·60	Demagiri ...	Chittagong Hill Tracts	
88	7·4	1·69	1·31	2·62	11·07	14·14	−3·07	45·29	56·25	−10·96	3·25	3·84	Barrisal ...	Backergunge	
89	3·7	0·97	0·89	3·79	9·92	23·03	−13·11	56·68	79·85	−23·17	3·50	4·51	Noakhally ...	Noakhally	
80	6·1	0·86	0·68	2·09	5·45	10·92	−5·47	30·69	40·27	−9·58	1·00	3·20	Furreedpore ...	Furreedpore	
80	8·3	0·44	0·33	2·39	8·69	11·66	−2·97	42·19	44·06	−1·87	1·25	3·53	Dacca ...	Dacca	
80	4·3	2·85		2·66		14·62			50·18			3·83	Commillah ...	Commillah	
91	6·6	2 30	1·56	3·31	10·32	13·00	−2·68	53·61	49·42	+4·19	2·00	3·84	Mymensingh ...	Mymensingh	
82	3·0	0·30	0·32	2·92	5·70	10·92	−5·22	31·25	41·29	−10·04	1·00	3·15	Bogra ...	Bogra	North Bengal.
91	6·1	0·21	0·10	2·49	5·12	11 31	−6·19	29·10	37·08	−7·98	0·50	3·38	Serajgunge ...	Pubna	
88	5·4	0·12	0·36	2·81	7·60	10·15	−2·55	35·85	37·40	−1·55	0·33	3·51	Rampore Beauleah	Rajshahye	
84	3·4	0·97	0·49	2·85	4·40	10·73	−6·33	26·18	38·42	−12·24	0·50	3·21	Maldah ...	Maldah	
87	4·7	0·72	0·23	2·96	4·68	11·02	−6·34	36·10	41·42	−5·32	0·80	3·50	Dinagepore ...	Dinagepore	
85	1·7	0·72	0·45	3·21	3·92	11·78	−7·86	46·21	53·91	−7·70	1·50	3·00	Rungpore ...	Rungpore	
91	1·7	3·50	1·71	6·37	10·85	21·89	−11·04	50·39	82·81	−23·42	2·80	3·69	Julpigoree ...	Julpigoree ... ... Cooch Behar	
92	7·3	3·45	2·70	4·88	15·84	25·33	−9·49	64·62	96·93	−32·31	3·00	4·43	Darjeeling ...	Darjeeling Hill Tracts	
86	5·4	0·52	0·56	3·07	5·64	12·90	−7·26	29·89	41·77	−11·88	1·60	3·41	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
88	5·0	0·58	0·42	2·50	6·01	9·62	−3·61	31·41	30·65	+0·76	1·33	2·88	Mozufferpore ...	Mozufferpore	
85	5·0	0·76	0·77	2·98	9·18	10·15	−0·97	33·05	31·84	+1·21	1·33	3·14	Durbhunga ...	Durbhunga	
85	0·1	0·84	0·50	2·87		11·03			33·48		1·50	2 80	Motihari	Chumparun	
87	3·7	1·01	0·78	2·82	6·68	9·62	−2·94	25·25	30·13	−4·88	1·67	3·07	Chupra ...	Sarun	
85	5·1	0·35											Dehree ...	Shahabad	South Behar.
85	5·7	1·24	0·47	3·19	10·72	10·14	+0·58	19·13	29·11	−9·98	1·00	2·57	Buxar ...		
86	2·4	0·75											Arrah ...		
85	5·1	0·46	0·61	2·06	9·62	10·37	−0·75	25·89	31·03	−5·14	1·75	3·55	Gya ...	Gya	
83	8·0	1·71	0·84	2·22	7·23	9·55	−2·32	30·71	30·30	+0·41	2·25	2·61	Bankipore ...	Patna	
86	6·9	0·05	0·86	2·15	10·32	10·01	+0·31	34·26	31·19	+3·01	2·20	2·91	Bhagulpore ...	South Bhagulpore ... Monghyr	
84	5·0	0·70	0·90	2·44	9·51	11·15	−1·64	34·38	36·27	−1·89	2·33	3·27	Doomka ...	Sonthal Pergunnahs ..	
91	8·6	1·05		2·38		12·31			37·26			3·64	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
88	10·0	2·57	1·48	2·46 3·12	10·29	12·25 11·54	−1·25	34·72	36·30 35·01	−0·29	4·00	3·34 3·35	Ranchi ...	Lohardugga ... ... Manbhoom	
88	8·9	1·05	1·98	2·28	17·30	12·11	+5·19	34·09	38·97	−4·88	4·00	3·25	Chyebassa ...	Singbhoom	
88	8·3	4·19											Sibsagar	Assam	Assam.
90	5·3	6·34											Dhubri		
94	9·7	7·24											Silchar		

...ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
...ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 29th of August 1891.

Meteorological division.	District.	Station.	Rainfall.							Total—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
			Sunday, 23rd August.	Monday, 24th July.	Tuesday, 25th August.	Wednesday, 26th August.	Thursday, 27th August.	Friday, 28th August.	Saturday, 29th August.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
ORISSA ...	Pooree ...	Pooree ...	3·75	0·45	0·05	0·35	0·20	......	......	4	4·30	2·03	13·06	8·31	22·18	29·10
		Khurdah ...	0·87	......	0·73	0·51	0·04	......	......	3	2·15	2·54	15·92	11·27	28·38	36·77
		Banpur ...	0·17	1·02	0·90							2·21		10·91		41·09
		False Point ...	0·34	2·35	1·11	0·23	1·01	0·43	......	6	5·47	2·71	17·41	12·36	36·48	39·21
		Gop ...										?		?		?
		Satpara ...	0·48	0·12	......	0·96						?		?		?
		Pipli ...										?		?		?
	Cuttack	Jagatsingpore	1·20	0·70	0·70	0·90	......	0·25	......	5	3·75	1·56	14·77	9·32	26·05	29·98
		Banki ...	0·20	0·40	0·42	0·46	......	......	......	4	1·48	2·34	13·80	10·34	26·54	34·20
		Cuttack ...	0·44	0·78	0·22	0·35	......	......	......	4	1·74	1·92	19·42	10·07	36·76	38·98
		Kendrapara ...	0·25	0·88	0·18	0·16	......	0·02	0·02	4	1·51	2·23	17·27	11·14	31·66	35·60
		Jajpore ...	......	1·04	1·70	0·46	......	......	0·07	3	3·27	1·91	16·96	9·44	37·21	36·55
		Dharmsala ...	1·50	0·23	0·26	......	0·20					?		?		?
		Salipore .	0·16	3·08	0·55	0·23						?		?		?
	Balasore ...	*Akhoyapada*...	0·12	1·36	2·21	0·91	0·15	0·15	......	6	4·90	?	17·03	?	30·06	?
		Chandbali ...	0·07	0·24	......	0·57	0·08	0·50	......	3	1·50	1·68	14·07	9·21	27·84	33·38
		Bhuddruck ...	0·59	0·53	2·37	0·05	......	......	......	4	4·12	1·81	17·34	9·31	37·48	34·32
		Sorah ...	0·20									1·68		9·80		32·94
		Balasore ...	......	0·17	0·37	0·27	0·07	......	......	3	0·83	2·10	15·38	11·34	33·88	38·06
		Jellasore ..										1·69		9·75		35·63
		Baripodah ...										1·14		10·70		37·36
SOUTH-WEST BENGAL.	Midnapore ...	Contai ...	0·37	1·14	0·90	0·28	0·21	0·01	......	5	2·91	2·48	14·29	12·42	32·71	40·31
		Saugor Island	0·20	1·33	0·65	0·10	0·48	0·55	......	6	3·31	2·69	20·70	14·52	51·58	44·07
		Tumlook ...	0·15	0·80	......	0·20	0·50	......	......	4	1·65	2·17	16·91	12·19	43·61	37·09
		Midnapore ...	0·23	0·85	......	......	0·35	......	......	3	1·45	2·38	20·00	10·91	39·60	35·63
		Ghattal ...	0·83	0·32	0·20	0·13	0·34	......	0·28	6	2·10	3·00	16·96	13·53	45·18	41·33
		Kukrahaty ...	0·64	0·11	......	0·59	0·34	......	0·10	5	1·78	?	14·25	?	29·91	?
		Garbetta ...	0·20	1·35	0·05	0·45	0·40	......	......	4	2·45	?	14·76	?	30·14	?
	24-Pergunnahs	Diamond Harbour ...	0·18	0·06	0·20	0·16	0·16	0·02	0·13	5	0·91	2·37	17·57	13·22	45·50	40·77
		Canning Town	0·04	0·28	0·08	0·03	0·11	0·15	0·02	3	0·69	?	11·47	?	30·30	?
		Alipore Jail ...	0·43	0·42	0·20	......	0·56	0·04	......	4	1·65	2·18	13·53	12·48	31·17	39·74
		Barrackpore...	0·08	......	0·39	0·12	0·18	......	......	3	0·77	1·33	11·52	10·77	32·00	36·97
		Dum-Dum ...	0·05	......	0·68	0·27	0·28	......	......	3	1·28	2·05	12·29	11·87	27·62	37·48
		Barasat ...	0·12	0·14	0·06	0·15	0·06	0·02	......	3	0·55	1·90	12·81	10·88	35·18	34·68
		Buseerhat ...	......	0·77	0·17	......	......	......	......	2	0·94	1·82	9·89	12·07	32·05	39·43
	Howrah ...	Howrah ...	0·24	......	0·17	0·27	0·37	......	......	4	1·05	2·16	10·69	11·28	28·22	36·97
		Mohesreka (*Ooloberiah*) ...	0·15	0·20	0·05	0·30	0·60	0·03	......	4	1·33	2·35	10·97	12·08	30·77	38·34
	Hooghly ..	Serampore ...	......	0·07	0·50	0·14	0·54	0·13	......	4	1·38	1·52	13·36	11·07	32·28	36·90
		Hooghly ...	0·10	0·01	0·68	......	0·56	......	......	3	1·35	1·42	9·52	10·89	31·10	35·81
		Jehanabad ...	0·11	0·12	0·11	0·08	0·19	0·15	0·15	6	0·91	2·81	11·07	14·20	35·67	40·37
	Burdwan ...	Culna ...	0·16	0·35	1·93	......	0·07	0·04	......	3	2·55	1·51	12·17	10·59	37·05	32·54
		Burdwan ...	0·53	0·35	0·15	0·23	0·23	0·19	......	6	1·68	2·75	15·46	11·95	43·11	34·97
		Cutwa ...	0·18	0·11	......	0·39	0·09	......	......	3	0·77	1·82	7·84	10·59	34·88	34·26
		Raneegunge...	0·11	0·18	0·05	0·06	0·11	......	......	3	0·51	2·42	13·45	12·31	38·56	37·50
		Mankur ...	......	......	0·32	0·34	0·15	0·35	......	4	1·16	?	18·24	?	43·54	?
	Bankoora ...	Bankoora ...	0·63	0·01	0·11	0·05	0·04	0·04	......	2	0·88	2·17	13·68	12·38	37·61	38·36
		Bishenpore ...	0·11	0·92	......	......	......	......	......	2	1·03	2·09	17·33	12·44	44·78	39·39
		Maliara ...	0·11	0·03	0·32	0·10	0·30	......	......	4	0·86	1·90	14·25	11·71	45·18	30·87
		Khatra ...	......	0·08	......	0·50	0·70	......	......	3	1·88	1·07	12·57	11·93	34·23	41·06
		Indas ...	0·57	0·27	......	0·06	0·11	0·44	0·81	5	2·26	?	12·38	?	39·27	?
		Kotalpore ...	0·82	0·07	......	......	0·70	0·50	0·10	4	2·19	?	17·96	?	42·06	?
		Anda ...	0·44	0·15	......	0·17	0·35	......	......	4	1·11	?	20·76	?	30·50	?
		Gangajalghati	0·40	0·14	0·20	......	0·21	......	......	4	0·95	?	11·39	?	41·20	?
		Raipore ...	0·20	0·45	......	0·59	0·12	......	......	4	1·36	?	18·40	?	40·92	?
		Sonamukhi ...	0·49	......	0·46	0·15	0·10	......	......	4	1·20	?	17·24	?	45·25	?
	Beerbhoom ...	Bh. Soory ...	......	0·09	0·38	0·30	0·08	0·01	......	2	0·86	2·40	14·33	11·83	40·02	39·19
		Hetampore ...	0·55	0·35	0·47	0·57	0·03	0·01	......	4	1·98	2·54	12·76	11·27	37·07	40·37
		Rampore Haut	0·23	0·05	0·34	0·18	0·06	0·02	......	3	0·88	2·56	8·92	11·60	30·89	35·89
		Bolpore ...	0·80	0·05	0·30	......	......	......	......	2	1·15	?	16·12	?	40·31	?
		Murari ...	......	......	0·62	0·15	......	......	......	2	0·77	?	3·85	?	29·84	?
	Nuddea ...	Ranaghat ...	0·04	0·01	1·11	0·34	0·07	0·08	......	2	1·65	1·67	10·58	11·22	32·11	34·89
		Kishnaghur ...	0·03	0·00	0·11	0·05	0·16	0·03	......	2	0·47	1·83	4·75	10·73	33·05	32·08
		Chooadanga ...	......	0·07	......	......	0·05	......	......	Nil	0·12	1·94	10·06	11·45	34·37	36·60
		Meherpore ...	......	......	0·08	......	0·16	......	......	1	0·24	2·70	6·10	11·78	33·75	35·04
		Kooshtea ...	......	0·32	......	0·29	0·20	......	......	3	0·81	2·28	6·40	11·27	28·62	37·87
	Khoolna ...	Satkhira ...	......	0·12	0·14	0·60	0·02	......	......	3	0·88	1·37	8·04	11·16	35·94	40·12
		Bagirhat ...	......	0·33	......	......	0·17	0·24	......	3	0·74	1·80	8·48	11·01	42·11	44·38
		Khoolna ...	0·14	0·09	0·02	0·43	0·61	......	......	3	1·29	2·38	7·67	11·25	29·56	39·26
		Nakipur ...										?		?		?
		Rampal ...	......	......	......	......	1·30	0·30	......	2	1·00	?	10·72	?	30·63	?
	Jessore ...	Narail ...	0·03	......	......	0·34	0·07	......	......	1	0·44	1·28	4·23	9·44	28·88	33·53
		Jessore ...	0·15	0·24	......	0·42	0·02	......	......	3	0·83	1·73	8·52	11·00	35·39	39·66
		Jhenidah ...	0·42	0·21	......	......	......	......	......	2	0·63	2·19	3·82	11·73	30·10	38·24
		Magoorah ...	0·09	......	......	......	......	......	......	Nil	0·09	1·58	3·09	9·07	32·67	35·33
		Bongong ...	0·15	......	1·45	0·45	0·30	......	......	4	2·35	1·52	10·22	11·79	35·19	36·29
	Moorshedabad	Kandi ...	......	......	......	......	0·42	......	......	1	0·42	2·50	4·66	10·27	27·50	35·45
		Berhampore...	0·02	0·04	0·01	0·45	0·39	......	......	2	0·91	2·20	5·30	10·79	29·81	34·77
		Lalbagh ...	0·52	0·04	......	0·06	......	......	......	1	0·62	2·92	3·45	11·53	31·19	33·72
		Azimgunge ...	0·10	0·11	......	......	0·50	......	......	3	0·71	2·98	4·09	11·77	27·38	35·90
		Jungipore ...	0·02	......	......	0·22	......	0·25	......	2	0·49	2·82	3·53	10·31	32·40	34·51
		Lalgola ...	......	......	......	......	......	0·40	......	1	0·40	2·15	3·80	9·51	35·54	35·41
		Akhrigunj ...	0·06	0·03	0·32	......	......	0·05	......	1	0·46	?	6·92	?	34·03	?
		Patkabari ...	......	......	0·20	......	......	......	......	1	0·20	?	0·75	?	34·00	?
EAST BENGAL	Chittagong	Cox's Bazar ...	0·10	0·15	0·01	0·20	......	0·02	0·08	3	0·56	3·00	23·00	25·22	67·53	104·65
		Chittagong ...	......	0·35	......	1·07	0·11	0·08	......	3	1·61	2·94	10·40	17·42	61·76	71·35
		Kutubdia ...										?		?		?
		Satkania ...	......	0·02	0·31	0·40	0·30	0·28	......	4	1·31	?	13·60	?	83·30	?
	Chittagong Hill Tracts.	Rangamati ...	......	0·24	0·06	1·11	......	1·05	2·91	4	5·37	2·85	11·39	10·07	57·27	60·66
		Bundarban ...	......	......	0·10	1·04						?		?		?
	Backergunge	Patuakhally...	0·37	0·55	......	0·07	0·14	0·45	......	4	1·58	3·08	14·71	15·10	50·82	64·90
		Ferozepore ...	0·11	......	0·17	0·44	0·05	0·48	......	4	1·25	2·23	12·36	13·40	48·92	50·01
		Burrisal ...	0·08	0·91	0·02	0·06	0·60	0·02	......	2	1·78	1·60	5·29	11·13	39·75	48·23
		Bhola ...	0·11	0·32	0·18	......	......	......	......	3	0·61	3·48	8·80	16·91	41·64	61·74

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 29th of August 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 23rd August.	Monday, 24th August.	Tuesday, 25th August.	Wednesday, 26th August.	Thursday, 27th August.	Friday, 28th August.	Saturday, 29th August.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL —concld.		*Gournaddi* ..	......	0·85	......	......	0·37	......	......	2	1·22	?	10·90	?	30·10	?
		Bauphal ...	0·14	......	0·37	0·70	0·05	......	......	3	1·26	?	7·30	?	41·33	?
	Noakholly ...	Noakholly	......	......	0·08	0·13	0·57	......	0·11	3	0·80	3·84	12·16	22·97	58·67	79·80
		Fenny .	......	0·15	0·16	0·13	......	......	0·45	4	0·89	3·73	7·66	23·08	54·71	79·64
		Harishpore ...	......	......	......	0·30						?		?		?
		Ramganj .	0·40		......	0·73						?		?		?
	Furreedpore	Madaripore ..	0·58	0·00	......	0·24	......	......	......	2	0·92	1·86	7·51	10·95	32·47	41·09
		Furreedpore...	0·09	0·02	0·02	0·76	0·08	......	......	1	0·97	2·35	6·83	11·42	35·74	41·48
		Goalundo .	......	......	0·06	0·02	0·06	......	......	Nil	0·14	2·07	3·00	10·39	25·34	38·24
	Dacca ...	Munshigunge	0·10	......	0·03	......	......	......	......	1	0·13	2·72	8·88	13·83	38·39	50·52
		Dacca .	0·15	......	0·07	......	0·08	......	......	1	0·30	2·36	8·02	11·14	46·87	47·90
		Narainganj	0·18	......	0·04	......	0·07	......	......	1	0·29	2·44	12·00	11·38	48·51	46·48
		Manickgunge	0·04	0·23	0·07	0·08	......	0·16	......	2	0·58	2·05	6·08	10·28	35·21	36·34
		Joydebpore ..	0·01	0·71	0·63	0·08	0·04	......	......	2	1·47	?	9·83	?	42·50	
	Hill Tipperah	Agartola ...										2·47		12·19		43·57
	Tipperah ...	Comilla ...	......	0·09	0·10	0·35	......	0·91	0·12	4	1·57	2·99	8·04	15·88	47·13	58·23
		Chandpore ...	......	......	0·22	0·12	0·40	......	......	3	0·74	2·96	12·91	18·68	42·17	53·66
		Brahmanberia	......	......	......	......	......	......	......	Nil	Nil	2·21	4·61	11·69	44·27	43·16
		Ramchandrapore ...	......	......	0·12	......	......	1·24	0·03	2	1·39	?	6·08	?	43·94	?
		Nasirnagar...	......	......	0·10	0·10	......	......	......	2	0·20	?	1·04	?	15·54	?
		Daudkandi ...	......	......	......	0·10	......	......	......	1	0·10	?	7·90	?	41·65	?
		Kasba ...	......	0·11	0·17	0·23	......	......	......	3	0·51	?	6·85	?	?	?
		Laksham ..	......	......	......	......	......	......	......	Nil	Nil	?	6·45	?	50·15	?
	Mymensingh..	Kishoreganj	......	......	1·37	0·70	......	......	......	2	2·07	2·88	11·08	12·39	68·07	49·70
		Atia (*Tangail*)	......	......	0·12	......	......	......	......	1	0·12	2·23	2·94	11·10	32·47	30·11
		Mymensingh	0·02	0·12	2·15	0·14	......	......	......	3	2·43	3·13	11·07	13·01	47·21	52·63
		Jamalpore ...	......	......	0·39	0·04	......	......	......	1	0·43	3·23	12·57	12·56	48·23	44·03
		Netrokona ...	......	0·61	0·60	1·52	......	......	......	3	2·73	5·09	18·78	15·92	71·95	60·95
		Subornakhali	......	......	0·53	......	......	0·60	......	2	1·13	?	9·33	?	32·10	?
		Durgapore ...	......	......	0·65	......	......	......	......	1	0·65	?	13·84	?	73·85	?
		Sherepore Town	......	......	......	0·33	......	......	......	1	0·33	?	13·61	?	57·38	?
		Dewanganj ...	......	0·15	......	......	......	......	......	1	0·15	?	11·28	?	62·78	?
NORTH BENGAL.	Pubna ...	Pubna ...	......	0·05	......	......	0·05	......	......	Nil	0·10	2·58	3·08	11·98	23·27	37·01
		Serajgunge ...	......	......	0·23	......	......	......	...	1	0·23	2·30	6·24	10·63	34·86	37·07
	Bogra ...	Sherepore ...	......	......	......	......	......	......	......	Nil	Nil	2·46	4·45	11·57	23·69	42·13
		Nowkhilla ...	......	......	0·60	......	......	......	......	1	0·60	2·93	4·76	10·18	34·03	38·75
		Bogra ..	......	0·30	0·19	......	......	......	......	2	0·49	2·71	5·13	11·30	31·40	44·48
		Panchbibi .	......	......	......	......	......	......	0·20	1	0·20	3·56	8·40	10·53	85·90	39·76
	Rajshahye ...	Beauleah .	......	0·05	......	0·04	......	......	......	Nil	0·09	2·93	6·76	11·16	30·16	36·37
		Nattore .	......	1·00	......	......	......	......	......	1	1·00	3·14	12·09	11·25	45·32	37·76
		Naogaon ...	......	......	......	......	......	......	......	Nil	Nil	2·35	2·41	8·04	25·81	38·06
		Lalpore ...	0·12	0·20	......	......	......	......	......	2	0·32	?	11·24	?	32·19	?
		Manda .	......	0·43	......	......	......	......	......	1	0·43	?	3·91	?	22·03	?
	Maldah ..	Maldah .	0·01	......	0·03	0·03	0·00	......	......	1	0·07	2·15	5·68	8·96	28·05	35·00
		Chanchal ...	......	......	......	......	......	......	......	Nil	Nil	3·55	3·12	12·48	23·02	41·81
		Gajol ...	......	......	0·44	......	......	......	......	1	0·44	?	3·77	?	37·26	?
		Sibganj ...	......	0·22	......	0·52	0·19	0·04	......	3	0·97	?	5·06	?	30·74	?
	Dinagepore ...	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	3·50	4·58	12·87	23·37	41·51
		Churamon ..	......	......	......	......	......	......	......	Nil	Nil	3·43	4·63	10·23	36·44	37·47
		Raigunge ...	......	......	......	......	0·15	......	......	1	0·15	3·45	5·08	12·24	50·03	43·85
		Dinagepore .	......	0·70	0·11	......	......	......	......	2	0·81	2·57	3·04	11·50	38·04	40·58
		Baloorghat	......	......	......	0·21	......	......	......	1	0·21	1·73	6·02	8·19	34·57	38·76
		Thakoorgaon	......	0·52	0·64	......	......	......	......	2	1·16	?	5·63	?	54·84	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	2·22	5·75	9·55	44·42	42·72
		Rungpore ...	0·01	0·27	0·40	......	......	......	......	2	0·68	2·55	4·16	11·45	49·00	54·23
		Kurigram ...	......	0·10	0·19	......	......	......	......	2	0·29	4·06	2·58	10·93	43·47	55·33
		Bagdogra (*Nilphamari*)	......	0·17	0·64	......	......	......	......	2	0·81	4·01	3·15	15·21	47·01	63·65
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	2·05	?	44·34	?
	Julpigoree ...	Julpigoree ...	1·46	0·15	1·76	0·10	0·04	......	......	4	3·51	5·62	11·79	23·02	40·28	84·43
		Alipore Dooar	......	......	......	......	......	......	......	Nil	Nil	?	9·37	?	63·18	?
		Fallacotta ...	0·94	......	......	0·32	......	......	......	2	1·26	?	17·80	?	51·38	?
		Debiganj ...	......	......	0·82	......	......	......	......	1	0·82	?	5·58	?	56·00	?
		Bhagatpore (Nagrakatta)	2·24	0·93	0·20	0·22	0·13	......	......	5	3·72	?	21·78	?	68·19	?
	Cooch Behar..	Dinhatta ...	......	0·14	1·40	......	......	......	......	2	1·63	5·45	8·56	17·21	57·65	70·24
		Cooch Behar...	0·03	0·55	......	0·08	......	......	......	1	0·68	5·70	8·02	21·27	63·59	80·14
		Mekligunge...	0·28	0·62	......	0·58	0·08	......	......	3	1·56	8·23	15·34	24·32	62·73	84·27
		Matabhanga...	0·18	0·05	0·20	0·18	......	0·59	......	4	1·29	6·74	10·57	22·67	63·72	85·92
	Darjeeling Hill.	Buxa ...	3·38	0·03	0·01	0·01	0·40	......	......	2	3·83	7·11	20·02	40·06	87·50	146·50
		Silliguri ...	0·85	......	0·74	0·04	0·10	......	......	3	1·73	3·87	10·84	20·76	47·23	88·98
		Darjeeling ...	2·38	0·09	0·08	0·19	0·42	0·25	0·04	4	3·45	5·26	22·20	23·97	76·94	83·30
		Kalimpong ...	0·85	0·09	0·03	0·38	0·38	......	0·04	3	1·77	3·29	10·27	16·54	40·66	86·70
		Kurseong ...	2·35	......	0·75	0·08	2·04	......	0·53	4	5·75	?	24·26	?	84·59	?
NORTH BEHAR	Purneah ...	Kissengunge...	0·14	0·13	0·31	......	0·09	......	......	3	0·67	3·79	6·86	15·44	38·39	52·10
		Arrareah ...	0·04	0·40	0·29	0·02	......	......	......	2	0·75	3·05	6·93	13·19	35·37	45·50
		Purneah ...	0·04	0·29	0·02	0·06	0·11	......	......	2	0·52	3·14	3·26	13·56	26·30	42·58
		Gondwara ...										?		?		?
												?		?		?
		Balarampore	0·06	3·30	0·08	......	......	......	0·50	2	0·94	?	7·77	?	22·21	?
		Mattiari ...	1·50	0·18	0·50	0·23	......	......	......	4	2·41	?	15·60	?	48·07	?
		Kaliaganj ...	0·07	......	0·02	......	......	......	......	Nil	0·09	2·50	5·81	11·03	26·66	34·05
	North Bhagulpore.	Maddapore ...	0·77	......	......	......	......	......	......	1	0·77	2·80	5·46	11·32	21·80	31·60
		Soopool ..	......	0·85	......	......	0·05	......	......	1	0·90	?	4·44	?	30·57	?
		Protabganj ...	......													
	Durbhunga ...	Tajpore ...	......	......	......	0·24	......	......	......	1	0·24	2·93	7·23	9·71	40·93	31·56
		Durbhunga ...	0·07	......	0·23	0·08	0·38	......	......	2	0·76	3·17	13·64	11·08	32·27	32·74
		Madhubani ...	1·30	......	......	......	......	......	......	1	1·30	2·83	6·65	9·06	25·94	31·17
		Bahera ...	......	......	......	0·60	......	......	......	1	0·60	?	6·77	?	17·38	?
		Roshera ...	......	......								?		?		?
	Mozufferpore	Sitamarhi ...	0·30	......	0·02	......	......	......	......	1	0·32	2·13	9·05	9·50	41·99	29·98
		Mozufferpore	......	0·02	0·22	......	......	0·05	......	1	0·29	2·96	7·08	9·90	27·82	31·57
		Hajipore ...	0·06	0·20	0·34	0·04	......	......	......	3	0·64	2·41	3·99	9·46	24·36	30·36
		Paru ...	......	0·52	......	0·50	......	......	......	2	1·02	?	18·47	?	42·73	?
		Mahua ...										?		?		?
		Siahar ...										?		?		?
		Pupri ...										?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 29th of August 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 23rd August.	Monday, 24th August.	Tuesday, 25th August.	Wednesday, 26th August.	Thursday, 27th August.	Friday, 28th August.	Saturday, 29th August.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 10th May 1891.	Average rainfall from 10th May to date.
NORTH BEHAR —concluded.	Chumparun ...	Motihari ...	......	......	0·84	......	......	......	......	1	0·84	2·47	13·60	11·01	37·96	31·48
		Bettiah ...	......	......	0·20	......	......	0·13	......	2	0·33	3·26	4·16	12·22	25·19	35·40
		Bagaha ...	......	0·21	0·10	......	......	......	......	2	0·31	?	10·78	?	49·71	?
		Burhurwa ...	......	......	0·28	......	......	0·01	......	1	0·29	?	4·30	?	26·49	?
	Sarun ..	Gopalgunge ...	......	......	0·79	......	0·03	......	......	1	0·82	3·28	5·02	9·83	29·75	30·57
		Sewan .	......	0·35	0·13	......	......	......	......	2	0·48	2·84	8·47	10·08	26·46	35·60
		Chuprah ...	......	......	0·54	0·49	......	......	......	2	1·03	2·31	6·58	8·96	19·49	30·21
SOUTH BEHAR	Shahabad	Buxar ...	1·12	......	......	0·12	......	......	......	2	1·24	2·11	8·13	9·40	13·11	27·06
		Dehree .	......	......	0·02	......	......	0·31	0·02	1	0·35	3·03	13·60	11·44	22·80	30·15
		Bhaboowah ...	......	......	......	......	......	0·20	......	1	0·20	1·47	16·18	9·89	28·[illegible]	29·91
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	2·01	10·35	10·26	17·44	30·07
		Arrah ...	......	......	0·55	......	......	......	......	1	0·55	2·53	5·36	9·73	19·12	30·35
		Mohaniah .										?		?		?
	Gya	Aurungabad ...	......	......	0·02	......	......	......	0·55	1	0·57	1·01	10·08	11·06	21·03	31·96
		Gya ...	......	......	......	......	0·24	0·22	......	2	0·46	2·28	12·21	10·27	26·25	32·04
		Nowadah ...	......	......	0·95	0·08	0·12	0·06	......	2	1·10	1·55	11·54	9·48	32·86	29·36
		Jehanabad ...	......	......	0·11	0·10	......	......	......	2	0·21	2·50	4·67	10·71	22·77	30·71
		Arwal .	......	......	......	......	......	......	......	Nil	Nil	?		?		?
		Daudnagar .	......	......	......	......	......	......	......	Nil	Nil	?	6·02	?	11·57	?
		Sherghatti .	......	......	......	0·18	......	......	......	1	0·18	?	8·01	?	17·21	?
		Rajauli .	......	......	......	......	0·30	0·12	......	2	0·42	?	11·84	?	31·30	?
		Pakri Barawan	......	......	0·70	......	......	......	......	1	0·70	?	7·80	?	22·42	?
	Patna	Patna ..	......	0·60	0·62	0·49	......	......	......	3	1·71	2·80	5·77	9·71	25·54	30·92
		Dinapore .	......	0·10	0·75	0·15	......	......	......	3	1·00	2·61	5·96	10·49	28·46	30·73
		Behar ...	......	0·05	0·21	......	......	......	......	1	0·26	1·88	7·78	9·47	32·17	31·21
		Barh ...	......	......	0·20	0·20	......	......	......	2	0·40	1·55	9·40	8·47	30·63	28·18
		Bikram ..	......	......	0·11	......	......	......	......	1	0·11	?	5·94	?	22·28	?
		Hilsa ..	......	......	1·53	......	......	......	......	1	1·53	?		?		?
	Monghyr ...	Begooserai ...	......	......	......	0·61	......	......	......	1	0·61	1·97	8·95	9·36	28·03	28·96
		Monghyr	......	......	......	0·08	......	......	......	Nil	0·08	3·07	9·02	11·54	33·71	33·40
		Jamui ..	......	0·49	0·61	0·08	0·35	0·58	......	4	2·11	1·46	10·61	10·12	31·96	31·09
		Gogri ..	......	......	......	......	......	......	......	Nil	Nil	?	14·99	?	41·12	?
		Sheikpura ..	......	......	1·23	......	......	......	......	1	1·23	?	11·90	?	35·34	?
	South Bhagulpore	Bhagulpore ...	......	......	......	......	0·03	0·02	......	Nil	0·05	1·71	6·90	8·89	35·99	30·56
		Banka .	0·23	0·10	0·12	0·40	0·30	0·32	......	6	1·47	2·53	12·62	10·17	37·82	31·15
		Kolgong ...	0·18	......	0·45	......	......	......	......	2	0·63	?	7·31	?	27·52	?
		Bangaon ..										?		?		?
	Sonthal Pergunnahs.	Rajmehal ...	0·12	......	......	0·28	......	......	......	2	0·40	2·58	5·06	9·26	31·41	36·20
		Godda ..	......	......	......	0·75	......	......	......	1	0·75	1·98	8·41	10·71	32·72	31·82
		Pakour	0·07	0·04	0·39	0·06	......	0·46	......	2	1·02	3·00	6·23	11·94	37·87	38·46
		Nya Doomka	0·14	0·23	0·19	0·03	0·06	0·05	......	3	0·70	2·25	14·80	12·50	37·32	39·96
		Deoghur .	0·35	0·06	1·07	......	......	......	......	2	1·48	2·11	9·02	10·08	28·96	36·13
		Jamtara ...	......	0·47	0·24	0·18	0·72	......	......	4	1·61	2·09	13·47	11·42	44·83	36·68
		Mohagama ..										?				?
		Nanihat ...	......	......	0·85	......	0·31	......	......	2	1·16	?	13·31	?	?	?
CHUTIA NAGPUR.	Hazaribagh .	Pachamba (Giridi).	0·02	0·19	0·28	0·15	0·09	0·03	......	3	0·76	2·13	9·29	11·24	35·55	34·77
		Hazaribagh ..	0·16	0·30	0·37	0·06	0·16	......	......	4	1·05	2·04	14·00	11·44	33·54	35·26
		Somtagurah	0·55	0·10	......	0·25	......	......	......	3	0·90	2·00	9·30	11·00	24·77	34·23
		Mahuda Hills										2·83		13·35		36·38
		Jhoomra Hills										2·90		14·43		45·63
		Barhi ...	0·20	0·40	0·16	0·13	......	......	......	4	0·89	?	10·16	?	29·59	?
		Chatra ...	......	0·50	......	......	0·09	......	......	1	0·59	?	11·80	?	23·77	?
		Karagdeha ...	......	......	0·71	0·10	0·05	......	......	2	0·86	?	8·62	?	33·84	?
		Ramghar ..	......	......	1·60	0·85	......	0·25	......	3	2·70	?	12·00	?	28·18	?
	Lohardugga ..	Lohardugga...	......	0·17	0·22	0·09	0·12					2·26		13·87		38·23
		Ranchi ...	......	0·40	0·13	0·05	0·50	1·18	......	4	2·26	2·81	11·40	13·14	27·90	39·02
		Palamow ..	0·37	0·11	......	0·06	......	0·26				2·31		10·71		31·43
		Silli ...										?		?		?
		Balumat ...	0·62	0·50	0·11	0·04	0·29	0·22	......	5	1·78	?	15·65	?	28·59	?
		Hossennabad	......	......	......	......	2·00					?		?		?
		Garwah .	......	1·27	......	......	0·09	0·44	......	2	1·80	?	22·36	?	30·15	?
	Singbhoom ...	Chyebassa ...	0·28	1·10	0·13	0·38	0·04	......	......	4	1·93	2·28	17·39	12·11	34·09	38·97
		Chakradharpore.										?		?		?
		Ghatsilla ...	0·40	1·40	0·50	0·30	1·30	......	......	5	3·90	?	20·46	?	44·30	?
		Baharagura	0·05	0·05	0·95							?		?		?
	Manbhoom ...	Purulia ...	0·15	0·94	0·16	0·05	0·20	0·15	......	6	2·25	2·28	10·90	11·62	38·98	36·06
		Gobindpore .	......	0·08	0·30	0·29	0·03	......	......	2	0·70	1·95	9·64	11·37	30·40	33·30
		Raghunathpore.	......	0·23	0·56	0·06	......	......	......	2	0·79	?	15·06	?	40·60	?
		Barrabhoom	......	0·30	0·35	0·30	0·05	......	......	3	1·00	?	14·06	?	33·33	?
		Jhalda ..	......	0·86	0·12	0·50	......	......	0·16	4	1·64	?	10·66	?	33·03	?
		Chas ..	......	......	0·64	0·08	......	0·20	......	2	0·92	?	12·87	?	42·01	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 1st September* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 29TH OF AUGUST 1891.

FOR the last three days of the previous week a small barometric depression had existed in the north-west angle of the Bay, and on the 22nd it was still a feeble depression, but accompanied by a very distinct cyclonic circulation of winds, the centre of which was to the east-north-east of False Point and to the south of Saugor Island. On the morning of the 23rd the centre of the small depression was, if anything, a little further north than on the previous day, but it had not intensified at all, and on the 24th the centre was close to Balasore and probably inland, for the centre of the wind circulation was to the east-north-east of that station. The depression had also to a considerable extent filled up on the 24th, and when it reached the coast it had practically ceased to exist, and by the morning of the 25th there was no sign of its existence in Bengal, and the area of lowest pressure had retreated to the south of Orissa. The depression only brought light to moderate rain in the districts affected by it, but with its disappearance the monsoon winds began again feebly to advance over the province, but the amounts of rain brought up were decidedly small. On the 26th the lowest pressure continued to be reported from the south of Orissa, and on the 27th pressure became lowest at Cuttack and in the west of Behar, but the monsoon current blowing on this date was exceedingly feeble and was bringing up little or no moisture from the Bay, so that on the 28th and 29th, and in some cases from the 27th, a distinct break in the rains set in over practically the whole province On the 28th and 29th also the distribution of pressure over the Bay altered very considerably and pressure became extremely uniform, and on the 29th in particular practically no monsoon current was advancing from the Bay over Bengal. Winds were also becoming variable in direction and decidedly light, while pressure and temperature were increasing very decidedly and a distinct break in the rains was established.

The general conditions were therefore less favourable for rainfall during the past week than they had been for some time past, and practically only the south-western and partly the western districts have been receiving moderate rain, and the rain-bearing current has been to a great extent drawn away from such districts as North Behar and North and East Bengal.

Pressure—Generally rose slowly over the province on the 23rd except at one or two stations in the neighbourhood of the depression in the north-west angle of the Bay, and on the 24th it had risen in all districts, including that occupied by the feeble depression. The rise of pressure continued on the 25th except over parts of Orissa, but on the 26th a slight fall set in which continued on the 27th. The pressure changes on the 28th were a rather rapid rise at the western and south-western stations and a slight rise only in Assam and North Bengal, so that pressure became more uniform, and similar changes took place on the 29th, rendering the differences of pressure over the province exceedingly small. For the whole week the mean pressure has been distinctly in excess of the normal, the usual excess ranging from 0·03″ to 0·05″, but over the area affected by the depression pressure has been normal or even slightly below it as at False Point, Cuttack, and Balasore, while on the other hand at many stations in North Bengal and North Behar an excess of 0·06″ is registered. In Assam there has been a mean excess pressure of 0·029″.

Temperature.—Owing to the scantiness of the rainfall during the week over the greater part of the province, temperature has been rather largely in excess of the normal, the excess in East and North Bengal and in North and South Behar ranging between one and two degrees. In South-West Bengal and Chutia Nagpur the excess is only about half a degree, while in Orissa temperature has been very slightly below the normal. For the whole of the province of Bengal the mean temperature for the week has been almost exactly a degree above the normal. In Assam the excess has averaged 0·8°.

Rainfall—Has been in distinct excess of the normal in Orissa, where an average amount of 2·35 inches has been received, or nearly 20 per cent. in excess. In all other divisions defective falls have been registered, the defect equalling about half the normal fall in South-West Bengal, East Bengal, and Chutia Nagpur, which have each received an average of about an inch and-a quarter of rain, but the defects are even larger than this in the other divisions. South Behar has only received a third of the usual amount, North Behar about a fifth, while in North Bengal the fall for the week is little more than a sixth of the usual fall. In these three divisions the falls have equalled about two-thirds to three quarters of an inch of rain. The number of days of rain has in Orissa also been in distinct excess of the average. In South-West Bengal and Orissa the rainy days have been nearly normal in number, but in all other districts the number of days has been very defective.

The districts where the most largely defective rainfalls have been received are Moorshedabad, Nuddea, Chittagong, Noakholly, Furreedpore, Dacca, Bogra, Pubna, Rajshahye, Maldah, Dinagepore, Rungpore, Julpigoree, Purneah, Mozufferpore, Durbhunga, Chumparun, Sarun, Gya, Patna, and Shahabad.

In Assam, Silchar has received 7·24 inches, Sibsagar 4·19 inches, and Dhubri 0·34 inch of rain during the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 29th of August 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92·4	75 6	86 0	78·6	82·8	−0·1	2 35	1·97	+0·38	3·55	2 90	+0·65	14·41	10 28	20·41	34·87
South-West Bengal ...	92·3	76 7	88·5	78·5	83·5	+0·7	1·12	2·15	−1·03	3·00	3 11	−0·11	10·47	11·52	35·04	37·45
East Bengal	91·7	73·8	87·9	78·0	83 0	+1·4	1·20	2 80	−1·60	2·12	3·80	−1·68	9·98	14·57	48·10	55·17
North Bengal	94·6	74·1	89 9	78·5	84·2	+1·3	0·65	3·61	−2·96	1·30	3·38	−2·08	6·29	13·19	40·70	50·63
North Behar	92 3	73·8	90 9	78 8	84 8	+1·4	0·62	2 87	−2·25	1·50	3·13	−1·63	6·91	10·99	20·08	34·59
South Behar	92·9	76·2	90·1	78·9	84·5	+1·4	0·77	2·23	−1·46	1 92	2·82	−0·90	9·56	10 32	28·98	31·85
Chutia Nagpur	85·7*	71·4*	82·9*	72·3*	77·8*	+0·4*	1·25	2·34	−1·09	3·27	3·47	−0·20	12·61	12·13	32·42	30·70
Assam	96·1	73·8	89·6	78·0	83·8	+0·8										

* Chyobassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 1st September 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 23rd to 29th August 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 21 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches
August ...	23rd ...	29·638	84·4	90 0	11 2	78·8	85·0	80·9	1·002	79 3	83	0·54
,, ...	24th ...	·686	83·8	87·5	7·5	80·0	83·8	81·3	1·037	80·3	89	Nil
,, ...	25th ...	·714	83·7	89·0	10·7	78·3	83·6	80·5	1·001	79 3	87	0·25
,, ...	26th ...	·717	82·9	88·0	10 2	77·8	80·1	78·5	·955	77·8	93	0·15
,, ...	27th ...	·674	83·7	89·0	10·7	78·3	85·6	81·5	1·022	79·9	84	0·17
,, ...	28th ...	·742	85·2	91·5	12·7	78·8	87·4	81·5	·990	78·9	77	Nil
,, ...	29th ...	·758	86 1	92 5	12 9	79·6	87·6	81·5	·995	79·1	76	Nil

	Inches.
The mean 10 A.M. pressure of the seven days	29·704
	°
The mean temperature of the seven days	84·3
The extreme variation of temperature	14·7
The maximum temperature	92·5
	%
The mean 10 A.M. relative humidity of the seven days	84
	Inches.
The total fall of rain from 23rd to 29th August 1891	1·11

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 31st August 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 23rd to 29th August 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Aug.	23rd	154·2	5·4	29·597	83·2	87·9	8·8	79·1	79·9	0·977	78·5	86	E and ESE ...	140	0·37	Partially cloudy, p, lr.
„	24th	147·5	1·2	·651	82·3	85·6	6·2	79·4	80·0	·997	79·1	90	E by S, ESE, and S by W.	122	0·18	Chiefly cloudy, o, g, d.
„	25th	151·7	2·6	·672	82·0	86·6	7·9	78·7	79·3	·964	78·1	88	E by S, E, and ESE	162	0·08	Chiefly cloudy, o, t, d, p.
„	26th	148·5	6·1	·663	82·0	86·4	8·1	78·3	79·8	·990	78·9	90	ESE and SSE ...	117	0·45	Partially cloudy, o, t, p.
„	27th	151·0	3·6	·637	82·7	87·8	9·1	78·7	79·9	·983	78·7	88	SSE, ESE, and SE	105	0·10	Chiefly cloudy, o, g, t, d.
„	28th	151·5	10·0	·688	84·5	89·4	11·0	78·4	80·5	·988	78·9	84	SE, ESE, and S by E	82	Nil	Chiefly clear, lr.
„	29th	154·6	8·6	·708	85·3	90·4	11·2	79·2	81·4	1·022	79·9	85	S by E and variable	55	0·03	Partially cloudy, d, t. <.

	Inches.
The mean pressure of the seven days	29·659
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·621
	Hours.
The total number of hours of bright sunshine	37·5
The maximum possible number of hours of sunshine	88·7
	°
The mean temperature of the seven days	83·1
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·1
The extreme variation of temperature	12·1
The maximum temperature	90·4
	Miles.
The highest velocity of the wind in one hour	11
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	87
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches.
The total fall of rain from 23rd to 29th August 1891	1·21
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·71
The total fall from 1st January to 29th August 1891	37·04
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	47·86

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; t, thunder; d, drizzling rain; p, passing temporary showers; <, lightning; lr, lightning reflection.

N.B.—In the weekly report from 2nd to 8th August 1891 read 86 as the miles recorded on the 7th August 1891.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 31st August 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 15th August 1891.

BIRTHS.

THE total births registered during the week ending with Saturday, the 15th August 1891, in twenty-seven principal towns of Bengal, amounted to 386, and correspond to an annual rate of 18·7 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 1·3 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years except 1887 and 1890, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	22·5	17·7	19·9	21·6	18·5	20·0	18·7

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING— 25th July 1891.	1st August 1891.	8th August 1891.	15th August 1891.	TOWNS.	WEEKS ENDING— 25th July 1891.	1st August 1891.	8th August 1891.	15th August 1891.
Burdwan	16·8	16·8	0·2	13·7	Narainganj	29·0	24·8	16·6	20·7
Midnapore	23·3	6·2	13·9	9·3	Chittagong	9·4	11·7	18·8	2·3
Hughli and Chinsurah	27·9	32·8	24·6	19·7	Comillah	27·0	11·6	27·0	42·4
Serampore	15·7	25·5	29·4	39·3	Patna City	12 3	12·0	10·7	13·0
Utterpara	9·4	18·9	18·9	28·3	Gya	26·0	26·0	25·3	28·7
Howrah	14·9	16·6	28·2	19·5	Arrah	7·2	23·9	29·9	8·4
Bali	21·1	14·0	3·5	17·5	Mozufferpore	32·8	18·2	24·3	21·9
Krishnagar	13·2	9·5	20·8	15·1	Durbhanga	20·9	20·5	45·6	24·4
Ranaghat	12·0	...	6·0	41·9	Chupra	19·1	35 2	39·2	28·2
Santipore	17·6	14·0	31·5	8·8	Bhagulpore	33·5	14·5	19·1	19·1
Jessore	12·2	6·1	...	6·1	Monghyr	32·5	31·6	30·8	31·5
Rampore Beauleah	13·8	21·0	5·3	13·1	Purneah	10·4	13·9	3·5	6·9
Darjiling	44·5	37·0	51·9	29·6	Poori	25·2	25·2	27·3	27·3
Dacca	14·9	8·4	9·7	5·2					
					Total ...	20·3	18·3	22·5	18·7

It will be seen that last week the highest birth-rate was returned from Comillah (42·4) and the lowest from Chittagong (2·3).

DEATHS.

The total deaths registered during the week under review amounted to 523, and correspond to an annual rate of 25·4 per 1,000 of the population. The rate of the week is ·3 below the average rate of the corresponding week of the past five years, and is also below the rate of the corresponding week of any of the past five years except 1889 and 1890, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	28·1	27·4	25·8	24·3	22·5	25·7	25·4

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

TOWNS.	WEEKS ENDING— 25th July 1891.	1st August 1891.	8th August 1891.	15th August 1891.	TOWNS.	WEEKS ENDING— 25th July 1891.	1st August 1891.	8th August 1891.	15th August 1891.
Burdwan	9·2	19·8	27·3	25·9	Narainganj	16·6	6·3	33·1	33·1
Midnapore	15·5	13·9	21·7	13·9	Chittagong	21·1	11·7	23·5	2·3
Hughli and Chinsurah	32·8	23·0	47·6	29·5	Comillah	11·6	23·1	30·8	38·5
Serampore	29·4	37·3	29·4	33·4	Patna City	17·2	17·8	18·2	14·9
Utterpara	9·4	28·3	18·9	18·9	Gya	51·9	70·4	62·2	56·0
Howrah	18·9	14·9	17·8	21·8	Arrah	27·5	49·1	49·1	13·2
Bali	7·0	14·0	7·0	17·5	Mozufferpore	82·8	55·5	60·8	24·3
Krishnagar	20·8	11·4	9·5	9·5	Durbhanga	29·9	20·0	26·0	22·0
Ranaghat	6·0	6·0	12·0	23·9	Chupra	30·2	28·2	43·3	31·2
Santipore	7·0	8·8	12·3	12·3	Bhagulpore	48·8	32·0	38·1	22·1
Jessore	42·8	...	12·2	...	Monghyr	57·9	38·0	57·9	52·4
Rampore Beauleah	23·6	34·2	28·9	31·5	Purneah	20·8	3·5	20·8	24·2
Darjiling	74·1	88·9	81·5	133·4	Poori	21·0	25·1	35·7	31·5
Dacca	22·7	19·5	19·5	16·2					
					Total ...	27·7	27·5	31·8	25·4

According to the figures returned, the highest mortality occurred in the town of Darjiling (133·4) and the lowest in Chittagong (2·3). No deaths were registered during the week in the Jessore town.

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per *mille.*	*Fever.*	Ratio per *mille.*	*Dysentery and diarrhœa.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Monghyr ...	20·8	Darjiling ...	59·8	Darjiling ...	74·1	Gya ...	19·8
Gya ...	11·6	Rampore Beauleah	26·3	Poori ...	10·5	Comillah ...	19·2
Mozufferpore ...	10·9	Gya ...	23·2			Chupra ...	17·1
Arrah ...	6·0					Serampore ...	15·7
Patna City ...	5·2					Monghyr ...	13 6
Howrah ...	2·9					Poori ...	12·6
						Hughli and Chinsurah ...	11·5

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 4·2 from cholera, against 6 6 in the preceding week; ·1 from small-pox, against ·2; 10·1 from fever, against 12·2; 3·1 from dysentery and diarrhœa, against 3·4; ·5 from injury, against ·3; and 7·4 from other causes, against 9· in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows :—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	24·3	Christians ...	14·9	Under 1 year	211·0
Females	26·5	Hindus ...	28·0	1 and under 5 years	44·3
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	92	Mahomedans ...	19·0	5 „ 10 „	21·9
				10 „ 15 „	14·4
				15 „ 20 „	21·0
				20 „ 30 „	12·9
				30 „ 40 „	14·1
				40 „ 50 „	13·2
				50 „ 60 „	18·6
				60 years and upwards	55·6

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 31*st August* 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 15th August 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of Population per annum.				MORTALITY ACCORDING TO— Disease. Deaths from—							MORTALITY ACCORDING TO— Disease. Ratio per 1,000 of Population per annum.								MORTALITY ACCORDING TO— Sex. Deaths.		Sex. Ratio per 1,000 of Population per annum.		
		Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	5	4	*9*	7·6	6·1	*13·7*	125	...	...	13	2	...	2	*17*	...	...	19·8	3·0	...	3·0	*25·9*	27·5	11	6	31·7	19·5	162
Midnapore ...	Midnapore ..	16,927	16,633	33,560	3	3	*6*	4·6	4·6	*9·3*	100	...	...	1	3	1	4	*9*	...	...	1·5	4·6	1·5	6·2	*13·9*	21·7	2	7	6·1	21·9	28
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	7	5	*12*	11·5	8·2	*19·7*	140	1	...	7	3	...	7	*18*	1·6	...	11·5	4·9	...	11·5	*29·5*	47·6	8	10	26·2	32·9	80
Serampore ...	Serampore ...	13,559	12,937	26,496	11	9	*20*	21·6	17·7	*39·3*	122	1	...	5	3	...	8	*17*	2·0	...	9·8	5·9	...	15·7	*33·4*	29·4	8	9	30·7	36·2	85
	Utterpara	3,046	2,464	5,510	2	1	*3*	18·9	9·4	*28·3*	200	...	...	1	1	...	...	*2*	...	...	9·4	9·4	...	...	*18·9*	18·9	2	...	34·1	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	16	18	*34*	9·2	10·3	*19·5*	89	5	...	19	3	1	10	*38*	2·9	...	10·9	1·7	·6	5·7	*21·8*	17·8	24	14	23·5	19·3	131
	Bali	7,836	6,979	14,815	1	4	*5*	3·5	14·0	*17·5*	25	2	...	2	...	...	1	*5*	7·0	...	7·0	...	...	3·5	*17·5*	7·0	4	1	26·5	7·5	353
Nuddea ..	Krishnagar ...	13,263	14,214	27,477	5	3	*8*	9·5	5·6	*15·1*	166	...	...	3	..	...	2	*5*	...	...	5·7	...	.	3·8	*9·5*	9·5	3	2	11·8	7·3	161
	Ranaghat	4,028	4,655	8,683	3	4	*7*	18·0	23·9	*41·9*	75	1	...	2	...	...	1	*4*	6·0	...	11·9	...	...	6·0	*23·9*	12·0	1	3	12·9	33·5	38
	Santipore	13,708	15,979	29,687	3	2	*5*	5·3	3·5	*8·8*	150	...	...	6	...	...	1	*7*	...	...	10·5	...	...	1·7	*12·3*	12·3	3	4	11·4	13·0	87
Jessore ...	Jessore	4,830	3,665	8,495	...	1	*1*	...	6·1	*6·1*	No male birth.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12·2	...	...	...	...	......
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	2	3	*5*	5·2	7·9	*13·1*	66	1	...	10	...	...	1	*12*	2·6	...	26·3	...	...	2·6	*31·5*	29·8	7	5	33·8	28·8	117
Darjiling ...	Darjiling	4,579	2,439	7,018	2	2	*4*	14·8	14·8	*29·6*	100	...	...	8	10	...	...	*18*	...	...	59·3	74·1	...	...	*133·4*	81·5	9	9	102·2	191·9	53
Dacca ...	Dacca	42,782	37,379	80,161	8	...	*8*	5·2	...	*5·2*	No female birth.	...	...	8	4	1	12	*25*	...	..	5·2	2·6	·6	7·8	*16·2*	19·5	14	11	17·0	15·3	111
	Narainganj ...	7,605	4,956	12,561	2	3	*5*	8·3	12·4	*20·7*	66	...	...	4	1	...	3	*8*	...	...	16·6	4·1	...	12·4	*33·1*	33·1	5	3	34·2	31·5	108
Chittagong ...	Chittagong ...	13,340	8,799	22,139	1	...	*1*	2·3	..	*2·3*	No female birth.	...	...	1	...	...	...	*1*	...	...	2·3	...	...	...	*2·3*	23·5	1	...	3·9	...	No female death.
Tipperah ...	Comillah	8,153	5,353	13,506	6	5	*11*	23·1	19·2	*42·4*	120	...	...	5	...	...	5	*10*	...	...	19·2	...	...	19·2	*38·5*	30·8	6	4	38·3	38·9	98
Patna	Patna City ...	78,762	81,475	160,237	19	21	*40*	6·2	6·8	*13·0*	90	16	1	8	7	1	13	*46*	5·2	·3	2·6	2·3	·3	4·3	*14·9*	16·2	27	19	17·8	12·1	147
Gya	Gya	38,290	37,831	76,121	18	24	*42*	12·3	16·4	*28·7*	75	17	...	34	1	1	20	*82*	11·6	...	23·2	·7	·7	19·8	*56·0*	62·2	36	46	48·9	63·2	77
Shahabad ...	Arrah	20,960	22,505	43,465	6	1	*7*	7·2	1·2	*8·4*	600	5	...	4	...	1	1	*11*	6·0	...	4·8	...	1·2	1·2	*13·2*	40·1	4	7	9·9	16·2	61
Mozufferpore .	Mozufferpore ...	23,084	19,658	42,742	8	10	*18*	9·7	12·2	*21·9*	80	9	1	4	1	1	4	*20*	10·9	1·2	4·9	1·2	1·2	4·9	*24·3*	60·8	9	11	20·3	29·1	70
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	15	16	*31*	11·5	12·6	*24·4*	93	2	1	16	4	...	5	*28*	1·6	·8	12·6	3·1	...	3·9	*22·0*	26·0	14	14	21·6	22·5	96
Sarun	Chupra	25,116	26,554	51,670	14	14	*28*	14·1	14·1	*28·2*	100	...	...	7	7	...	17	*31*	...	...	7·0	7·0	...	17·1	*31·2*	43·3	13	18	26·9	35·2	76
Bhagulpore ...	Bhagulpore ..	34,916	33,322	68,238	11	14	*25*	8·4	10·7	*19·1*	78	2	...	20	2	1	4	*29*	1·5	...	15·2	1·5	·8	3·0	*22·1*	33·1	13	16	19·4	25·0	78
Monghyr ..	Monghyr	28,154	29,366	57,520	19	17	*36*	17·2	15·3	*32·5*	111	23	...	13	7	...	15	*58*	20·8	...	11·7	6·3	...	13·6	*52·4*	57·9	23	35	42·5	62·0	68
Purneah ...	Purneah	8,463	6,553	15,016	2	...	*2*	6·9	...	*6·9*	No female birth.	1	..	4	...	1	1	*7*	3·4	...	13·9	...	3·4	3·4	*24·2*	20·8	4	3	24·6	23·8	103
Poori	Poori	13,247	11,537	24,784	6	7	*13*	12·6	14·7	*27·3*	85	...	...	3	5	1	6	*15*	...	...	6·3	10·5	2·1	12·6	*31·5*	35·7	9	6	35·3	27·0	131
	Total ...	556,262	516,097	1,072,359	195	191	*386*	9·4	9·3	*18·7*	103	86	3	208	64	10	153	*523*	4·2	·1	10·1	3·1	·5	7·4	*25·4*	31·8	260	263	21·3	26·5	98

Districts.	Names of Municipalities.	14										15										16									
		Mortality according to—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	12	5	...	...	.	26·3	25·3	...	...	1	3	...	2	1	3	3	2	1	1	78·8	69·1	...	41·3	16·6	19·7	23·6	23·5	21·2	35·1
Midnapore ...	Midnapore ...	...	8	1	...	...	...	16·1	7·2	...	...	1	...	1	...	2	1	1	...	...	3	70·0	...	13·9	...	32·9	7·1	9·4	...	...	55·2
Hughli ...	Hughli and Chinsurah.	...	17	1	...	...	...	35·0	8·4	...	...	3	4	1	1	...	1	1	...	...	7	194·3	93·7	18·0	21·0	...	8·4	9·1	...	...	175·5
Serampore ...	Serampore ...	...	15	2	...	.	.	30·9	110·9	...	...	4	..	4	1	1	...	1	...	1	5	293·0	...	32·7	23·4	23·8	...	10·5	...	27·2	186·9
	Utterpara	...	2	...	...	...	...	19·5	...	..	...	.	...	...	...	1	...	...	...	1	...	...	...	...	...	118·2	...	...	...	141·3	...
Howrah ...	Howrah	1	32	5	...	...	27·5	24·4	12·7	...	...	6	9	1	1	1	4	4	3	4	5	151·2	84·5	8·3	7·9	7·1	9·2	10·8	13·3	37·9	69·3
	Bali	...	5	...	...	..		19·4	...	...	...	...	...	1	...	...	1	1	1	...	1	...	...	48·8	...	...	15·5	18·6	26·9	...	71·0
Nuddea ...	Krishnagar ...	1	3	1	...	...	91·7	8·4	6·3	...	...	...	1	1	1	...	...	...	1	1	...	...	21·1	15·1	18·5	...	...	...	15·9	24·7	...
	Ranaghat	...	4	...	...	...	..	28·4	...	.	...	...	...	1	...	...	...	2	...	1	...	...	...	46·6	...	...	...	83·4	...	71·8	...
	Santipore	...	6	1	...	...	...	15·1	5·8	...	...	4	...	...	...	...	...	...	...	...	3	246·2	...	...	...	...	...	...	...	...	79·4
Jessore ...	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahye ...	Rampore Beauleah	...	8	4	...	...	...	42·0	21·2	...	...	3	...	2	1	...	2	1	1	1	1	384·2	...	50·0	28·9	...	25·0	14·4	21·3	41·9	54·0
Darjiling ...	Darjiling	...	18	...	...	...	...	203·7	...	...	...	4	4	2	2	1	1	1	2	1	...	1,719·0	323·5	177·8	319·7	81·3	26·0	36·3	150·3	218·1	...
Dacca	Dacca	...	13	12	...	...	...	16·8	15·9	...	...	6	3	2	2	1	2	1	2	1	5	161·4	21·2	15·7	13·1	7·1	6·8	4·5	12·4	11·0	46·7
	Narainganj ...	...	4	4	...	...	..	32·9	33·8	...	...	2	...	1	...	1	1	...	...	1	2	372·8	...	39·4	...	49·8	19·5	...	...	66·5	159·5
Chittagong ...	Chittagong ...	...	1	...	...	...	...	9·0	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	47·9	...
Tipperah ...	Comillah	...	3	7	...	...	...	28·2	49·3	...	...	1	...	1	...	1	2	1	...	...	4	175·1	...	31·9	...	41·3	37·7	26·1	...	...	306·8
Patna	Patna City ...	...	35	11	...	...	...	15·3	14·0	...	...	6	4	3	3	7	8	...	6	2	7	72·4	14·3	9·3	10·8	32·6	14·4	...	16·6	7·4	26·4
Gya	Gya	...	66	16	...	...	...	57·2	51·7	...	...	15	13	8	6	5	4	13	6	5	7	435·8	106·4	59·5	46·4	49·6	14·1	53·1	31·9	39·6	70·7
Shahabad ...	Arrah	...	10	1	...	...	...	16·8	4·2	...	...	1	5	2	1	1	1	...	...	...	...	40·4	58·7	20·3	11·8	16·2	6·6	...	...	...	...
Mozufferpore ...	Mozufferpore ...	...	16	4	...	...	...	27·7	16·7	...	...	5	2	3	...	...	5	2	...	2	1	272·3	25·7	34·7	...	...	30·3	14·9	...	32·0	21·4
Durbhanga ...	Durbhanga ...	...	17	11	...	...	...	18·3	32·6	...	...	12	2	5	1	2	1	2	...	1	2	400·8	13·7	31·2	9·4	25·9	3·9	9·3	...	11·9	32·6
Sarun	Chupra	...	26	5	...	...	...	34·1	21·8	...	...	10	6	2	...	2	5	2	2	1	1	368·5	60·4	17·5	...	30·0	28·2	13·4	17·1	12·6	15·3
Bhagulpore ...	Bhagulpore ...	...	25	4	...	...	...	26·6	11·0	...	...	5	3	2	2	2	1	3	1	...	10	151·2	24·0	14·7	14·3	21·0	4·0	14·2	6·8	...	120·8
Monghyr ...	Monghyr	...	47	11	...	...	...	54·7	45·5	...	...	11	19	3	3	3	7	4	3	...	5	355·2	158·8	22·1	27·2	41·3	35·2	23·3	24·5	...	72·5
Purneah ...	Purneah	...	5	2	...	...	...	28·3	19·4	...	...	1	...	1	...	...	...	3	1	1	...	183·7	...	32·9	...	...	...	54·7	28·0	55·5	...
Poori ...	Poori	...	15	...	...	...	...	31·8	...	...	...	3	2	...	...	1	3	2	1	2	1	514·9	57·9	...	...	28·0	29·5	25·7	15·6	46·6	28·8
	Total ...	2	413	108	...	...	14·9	25·0	19·0	...	...	104	80	47	27	33	53	48	32	28	71	211·0	44·3	21·9	14·4	21·0	12·9	14·1	13·2	18·6	55·6

Office of Sanitary Commissioner for Bengal,
The 31st August 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 29th August 1891, as compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 29TH AUGUST 1891.			WEEK ENDING SATURDAY, THE 30TH AUGUST 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	603	1,39,625	2,357	272	58,130	907
Jute	73	40,330	634	71	24,300	449
Firewood	107	62,043	918	113	56,200	862
Other articles	788	1,84,790	2,400	773	2,30,300	3,104
Total ...	1,571	4,26,788	6,309	1,229	3,68,930	5,322

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for the week ended 22nd August 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	232,213	2,31,314 2 0	17,93,726 10	4,24,410 2 0	13,310 1 0	6,69,073 5 0	72,442½	78,037½	150,479½
Or per mile of railway	......	151 10 5	.....	278 3 5	8 11 8	438 9 6	......	......	......
For previous 7 weeks of half-year	1,641,350	16,69,987 3 0	1,46,63,186 10	35,19,868 1 0	1,13,140 10 0	53,02,995 14 0	477,267½	623,552	1,100,819½
Total for 8 weeks ...	1,873,563	19,01,331 5 0	1,64,56,912 20	39,44,278 3 0	1,26,459 11 0	59,72,069 3 0	549,710	701,589½	1,251,299½
Comparison.									
Total for corresponding week of previous year	210,667	2,12,797 1 0	20,37,825 0	4,36,708 1 6	19,271 3 0	6,68,776 5 6	61,846	80,218	142,064
Per mile of railway corresponding week of previous year ...	......	139 7 11	......	286 4 4	12 10 1	438 6 4	......	......	......
Total to corresponding date of previous year	1,769,180½	17,58,078 5 7	1,41,40,198 10	31,16,471 6 6	1,27,892 2 1	50,02,441 14 2	499,847	597,501	1,097,348

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 22nd August 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	8,551	4,014 14 0	44,629 10	2,643 14 0	39 0 0	6,697 12 0	933	663	1,596
Or per mile of railway	149½	70 3 0	780 10	46 3 7	0 10 11	117 1 6	.....	......	......
For previous 7 weeks of half-year	66,576	33,142 15 0	4,01,924 20	23,987 7 0	329 0 0	57,459 6 0	6,585	5,086	11,671
Total for 8 weeks ...	75,127	37,157 13 0	4,46,553 30	26,631 5 0	368 0 0	64,157 2 0	7,518	5,749	13,267
Comparison.									
Total for corresponding week of previous year	8,157	3,960 3 6	30,972 0	1,675 9 0	37 1 0	5,972 13 6	1,071	525	1,596
Per mile of railway corresponding week of previous year ...	143	69 3 9	541 20	34 8 7	0 10 5	104 6 0	......	......	......
Total to corresponding date of previous year	74,896½	37,839 1 7	2,81,307 30	16,910 2 0	305 9 9	55,054 13 4	7,725	4,739	12,464

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for the week ended 22nd August 1891, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,833	3,543 7 0	4,628 10	155 12 0	13 0 0	3,712 3 0	913	55	968
Or per mile of railway	......	159 4 1	......	7 0 0	0 9 4	166 13 5	......	......	......
For previous 7 weeks of half-year	123,028	29,562 10 0	32,682 10	1,113 10 0	85 0 0	30,761 4 0	6,002	444	6,446
Total for 8 weeks ...	137,861	33,106 1 0	37,310 20	1,269 6 0	98 0 0	34,473 7 0	6,915	499	7,414
Comparison.									
Total for corresponding week of previous year	14,238½	3,364 11 4	4,573 20	152 3 0	2 2 6	3,519 0 10	930	38	968
Per mile of railway corresponding week of previous year ...	......	151 3 7	......	6 13 5	0 1 7	158 2 7	......	......	.....
Total to corresponding date of previous year	131,021	31,361 6 1	35,110 20	1,222 1 0	40 9 9	32,624 0 10	7,117	341	7,458

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for the week ended 22nd August 1891, *on* 162 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	12,948	8,229 13 0	27,480 0	4,945 5 0	44 0 0	13,219½ 2 0	3,305½	1,491	4,796½
Or per mile of railway	......	50 12 10	......	30 8 5	0 4 4	81 9 7	......	......	......
For previous 7 weeks of half-year	100,086	66,655 3 0	2,30,151 10	44,202 8 3	400 0 0	1,11,257 11 3	41,267½	10,064½	51,331½
Total for 8 weeks ...	113,034	74,885 0 0	2,66,631 10	49,147 13 8	444 0 0	1,24,476 13 3	44,573	11,555½	56,128½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 22nd August 1891, *on* 777 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	140,577	58,020 0 0	5,99,042 0	1,53,750 0 0	10,760 0 0	2,22,530 0 0	26,000	32,732	58,732
Or per mile of railway	181	75 0 0	771 0	198 0 0	* 1 0 0	274 0 0	......	......	......
For previous 8 weeks of half-year	1,041,777	4,37,830 0 0	31,07,713 0	6,67,310 0 0	85,850 0 0	11,90,990 0 0	169,600	191,922	361,522
Total for 9 weeks ..	1,182,354	4,95,850 0 0	37,06,755 0	8,21,060 0 0	96,610 0 0	14,13,520 0 0	195,600	224,654	420,254
Comparison.									
Total for corresponding week of previous year	121,254	49,407 0 0	7,29,594 0	1,84,633 0 0	12,132 0 0	2,46,232 0 0	24,793	35,721	60,514
Per mile of railway corresponding period of previous year ...	159	65 0 0	956 0	242 0 0	* 2 0 0	309 0 0	......	......	......
Total to corresponding date of previous year	1,098,210	4,44,493 0 0	45,10,025 0	9,68,527 0 0	1,15,148 0 0	15,28,168 0 0	191,399	234,163	425,562

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 22nd August 1891, *on* 126 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	25,334	8,610 0 0	32,467 0	2,940 0 0	100 0 0	11,650 0 0	4,000	1,072	5,072
Or per mile of railway	203	68 0 0	260 0	23 0 0	1 0 0	93 0 0	......	......	......
For previous 7 weeks of half-year	182,086	62,800 0 0	2,25,113 0	16,450 0 0	400 0 0	79,740 0 0	25,353	12,329	37,682
Total for 8 weeks ..	207,420	71,410 0 0	2,57,580 0	19,390 0 0	500 0 0	91,390 0 0	29,353	14,001	43,354
Comparison.									
Total for corresponding 12 days of previous year	23,871	7,880 0 0	47,806 0	4,2[illegible]2 0 0	21 0 0	12,189 0 0	3,908	1,932	5,840
Per mile of railway corresponding period of previous year ...	191	63 0 0	383 0	34 0 0	.....	97 0 0	......	......	......
Total to corresponding date of previous year	207,481	65,916 0 0	3,06,[illegible]31 0	21,490 0 0	1,737 0 0	89,083 0 0	29,320	15,025	44,345

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 22nd August 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	13,797	4,350 0 0	18,537 0	1,090 0 0	220 0 0	5,660 0 0	2,887	847	3,734
Or per mile of railway	160	51 0 0	216 0	13 0 0	2 0 0	66 0 0	......	......	......
For previous 7 weeks of half-year	104,961	32,150 0 0	52,874 0	4,180 0 0	1,050 0 0	37,380 0 0	17,659	4,943	22,602
Total for 8 weeks ...	118,758	36,500 0 0	71,411 0	5,270 0 0	1,270 0 0	43,040 0 0	20,546	5,790	26,336
Comparison.									
Total for corresponding week of previous year	14,089	4,513 0 0	12,252 0	960 0 0	273 0 0	5,745 0 0	2,415	917	3,332
Per mile of railway corresponding period of previous year	164	53 0 0	142 0	11 0 0	3 0 0	67 0 0	......	......	......
Total to corresponding date of previous year	118,102	36,565 0 0	92,543 0	7,515 0 0	3,370 0 0	47,450 0 0	18,700	5,756	24,456

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 22nd August 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,787	1,550 0 0	18,448 0	920 0 0	10 0 0	2,480 0 0	573	517	1,090
Or per mile of railway	170	57 0 0	677 0	34 0 0	......	91 0 0	......	......	......
For previous 7 weeks of half-year	21,355	7,890 0 0	64,380 0	3,470 0 0	150 0 0	11,510 0 0	3,631	3,537	7,168
Total for 8 weeks ...	26,142	9,440 0 0	82,828 0	4,390 0 0	160 0 0	13,990 0 0	4,204	4,054	8,258
Comparison.									
Total for corresponding week of previous year	2,590	883 0 0	1,893 0	66 0 0	5 0 0	954 0 0	546	295	841
Per mile of railway corresponding week of previous year ...	95	32 0 0	69 0	3 0 0	......	35 0 0	......	......	......
Total to corresponding date of previous year	24,242	8,745 0 0	77,503 0	4,147 0 0	137 0 0	13,029 0 0	4,213	3,876	8,089

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 15th August 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	73,640	30,550	2,22,090	28,410	7,080	a 66,010	12,487	12,619	25,106
Or per mile of railway	102·14	42·37	308·08	39·40	9·82	91·59	......	......	......
For previous 5¾ weeks of half-year	491,320	2,03,040	20,65,280	2,50,250	47,400	5,00,780	56,890	91,631	148,521
Total for 6¾ weeks ...	564,960	2,33,590	22,87,370	2,78,660	54,5[illegible]0	5,66,820	69,377	104,250	173,627
Comparison.									
Total for corresponding week of previous year on 691 miles open	b 74,720	26,407	b 2,69,224	31,463	4,945	62,905	11,688	12,294	23,982
Per mile of corresponding week of previous year...	108·13	38·35	389·62	45·53	7·16	91·04	......	......	......
Total to corresponding date of previous year	b 498,557	1,74,400	b 16,84,404	1,82,575	42,190	3,99,165	75,053	81,486	156,539

a Includes Rs. 1,212 previously less shown.
b Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 15th August 1891.	Week ending 16th August 1890.	Week ending 15th August 1891.	Week ending 16th August 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	16,520 0 0	12,694 0 0	14,030 0 0	13,803 0 0
Goods	16,140 0 0	13,521 0 0	12,370 0 0	17,942 0 0
Other earnings	4,090 0 0	2,447 0 0	2,990 0 0	2,498 0 0
Total ...	36,750 0 0	28,662 0 0	29,290 0 0	34,243 0 0

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CONTENTS.

RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE INCOME-TAX IN BENGAL FOR THE YEAR 1890-91.

FINANCIAL DEPARTMENT—INCOME-TAX.

RESOLUTION No. 170T.—F.

Darjeeling, the 31*st August* 1891.

READ—

The Report of the Board of Revenue on the financial results of the administration of the Income-tax for the year 1890-91.

The principal administrative change recorded by the Board of Revenue was the separation of the offices of Excise Inspector or Sub-Inspector and Assessor of Income-tax, which was decided on in 1889 and was fully carried out during the year under report. Districts were divided into five classes according to their average revenue from income-tax, and five grades of assessors were appointed on somewhat lower rates of pay than had previously been allowed. Service in the Income-tax branch, which had formerly been treated as temporary, was at the same time declared to be permanent and pensionable. It is expected that this reorganization of the staff, which provides every district with an officer whose whole-time is given to income-tax business, together with the recognition of the permanent character of the appointments, will tend to improve the quality of the work done by the assessors, and to make the assessment registers a trustworthy record of the taxable incomes in each district.

Results of the tax.

2. The following statement compares the financial results of the income-tax during the last two years:—

	1889-90.	1890-91.
	Persons.	Persons.
Number of persons finally assessed, including Government servants who pay tax through the Accountant-General ...	110,039	110,779
Number originally assessed, excluding Government servants	105,618	106,083
Number finally assessed, excluding Government servants	102,265	102,988
Number of assessees, including Government servants who paid tax within the year ...	104,106	104,886
	Rs.	Rs.
Final demand of tax for the year, excluding Government servants and interest on securities	37,12,130	37,36,619
Final demand of tax for the year, including Government servants and interest on securities	41,71,205	42,05,791
Final demand of tax for the year, including penalties, fines, and arrears of previous years	44,89,476	45,30,457
Collections of tax within the year, excluding Accountant-General's collections ...	34,36,737	34,86,635
Collections of tax, including Accountant-General's collections ...	38,95,812	39,55,807
Actual receipts, including advance and excess payments and after adjustments ...	41,66,798	42,38,075
Charges	1,66,778	1,83,712
Percentage of charges	4	4 3
Net revenue	40,00,020	40,54,363

The net revenue shows an increase of 1·3 per cent. as compared with 6·1 per cent. in 1889-90. Including advance payments and excess collections, and making allowance for various adjustments, the actual receipts at the close of the year amounted to Rs. 42,38,075 against Rs. 41,66,798 in 1889-90.

Demand, collections and balances.

3. The original demand amounted to Rs. 39,24,643 from 106,083 assessees, as compared with Rs. 39,38,829 in the previous year, representing the demand from 105,618 persons. This was reduced on revision to Rs. 37,36,619 assessed on 102,988 persons, the corresponding figure for 1889-90 being Rs. 37,12,130 to be realised from 102,265 persons. During the past year, therefore, the number of assessees was increased by 723 and the final demand by Rs. 24,489. The percentage of collection on the final demand of the tax was 93·3 against 92·5 in the previous year. The outstanding balance on account of the tax, including penalties and costs, amounted at the close of the year to Rs. 3,29,100 as compared with Rs. 3,45,219 in 1889-90. Of this balance, Rs 1,43,389 are reported to be good and in process of realisation, Rs. 1,19,295 doubtful, and Rs. 66,416 bad and irrecoverable. Eight districts succeeded in collecting their entire demand within the financial year. In ten districts the collections were below 90 per cent. of the final demand, the failure to collect more being explained as mainly due to the fact that assessment work could not be completed until late in the year. This excuse cannot be accepted. Any re-assessment which cannot take effect within the financial year should be held over to the next year, and collection should be based on the old assessment of last year. In future years every district collecting less than 95 per cent. will be named in the Resolution, and the officer in charge of this branch of the work will be deemed to deserve censure unless he can clear himself by some special excuse.

Assessments.

4. The forty-four assessors employed in the mofussil visited 70,318 villages, or on an average nearly ·1,600 a piece, against 67,367 during the previous year. The Board observe that an attempt seems to have been made to cover too much ground, and point, in support of this view, to the fact that in several districts the number of villages in which assessees were found is very small in comparison with the number of villages visited. The seven assessors employed in Calcutta visited 680 streets, against 518 in the previous year. The number of

persons finally assessed was 102,988 against 102,265 in 1889-90, the percentage of exemption falling from 3·1 to 2·9. The increase in the number of assessees was largest in Khoolna, where 1,778 persons were finally assessed, against 1,415 during the previous year. This appears to have been the work of a new assessor with regard to whom the Collector reports that the assessees were labouring under the misapprehension that "the assessor being a stranger and entirely new to the district, could not possibly know the ins and outs of their income." The assessor's estimate of the taxable income of the district seems, however, to have been in the main justified by the results, for, in spite of the fact that 443 objections and seven petitions for revision were filed, only 50 assessees were exempted, and 59 got their assessments reduced, while the final demand of income-tax rose from Rs. 25,283 to Rs. 31,217.

Objections.

5. In the whole of Bengal 13,884 petitions of objection were filed, as compared with 15,027 in the preceding year. Successful objections numbered 5,321, or 38·3 per cent., against 6,361, or 42·3 per cent., in 1889-90. Referring to five districts where the percentage of successful objections exceeded 50, the Board observe that the result is not creditable to the assessing officers, and shows that the initial assessments were made without due care and inquiry. The Lieutenant-Governor is unable to accept this conclusion without reserve. It is at least as likely that these unfavourable results are due to the weakness or carelessness of the judicial officers who hear the objections and accept the pleas put forward for exemption without sufficient scrutiny. During his recent tour of inspection, the Lieutenant-Governor examined several income-tax records, and was very dissatisfied with the manner in which they had been dealt with, and the grounds on which reduction had been granted. Many Deputy Collectors do not even consult or hear the assessor before reversing or modifying his decision. This should never be the case. It is only reasonable that the assessor should be given an opportunity of explaining the grounds upon which his assessment has been based.

In Calcutta, out of 22,796 persons originally assessed, 2,948 filed petitions, 1,669 of which, or 56·6 per cent., proved successful, against 54·6 per cent. in the previous year. The number of persons finally assessed fell from 22,555 to 22,159. The Collector of Income-tax reports that the number of cases in which objections are supported by closed and adjusted books has increased in a marked degree; but it is not stated to what extent the reductions made in the assessment have been due to the production of these books. The fact that the practice of filing regular accounts is on the increase tends of itself to arouse a suspicion that the mercantile classes are setting themselves to combat the income-tax with civilised weapons, and that many of these accounts are specially prepared for the purpose of being filed in appeals against the assessment. Next year's report should deal specially with the justice or otherwise of this apprehension. If it is well founded, we may expect that in course of time the same mode of self-defence will spread to the mofussil. Such accounts must be carefully scrutinized by the appellate authorities before whom they are produced, and it cannot be assumed that because they are regularly balanced, therefore they necessarily contain a complete and trustworthy record of the owner's transactions. No system of book-keeping can prevent the construction of fictitious accounts and the omission of particular items or classes of items from the main account, and it has long been a tradition of the mercantile classes to observe the strictest secrecy concerning their business affairs. Allowance must be made for these peculiarities in determining the value to be put upon a particular set of the books as a measure of the true financial liability of an assessee to income-tax.

Incidence of tax.

6. Excluding the tax on interest of Government securities and the salaries of officials, the average incidence of income-tax for the whole of Bengal with Calcutta during the past year was Re. 1 to every 18·9 persons, as compared with Re. 1 to every 17·9 persons in the preceeding year. For Bengal without Calcutta the average was Re. 1 to every 37 persons against Re. 1 to every 36 persons in 1889-90. Darjeeling again shows the highest mofussil average, Re. 1 to every 4·7 persons, and Cuttack the lowest, Re. 1 to every 90·5 persons. In Calcutta the average incidence was Re. 1 to every ·36 person, and one person in every 30 was assessed to the tax; the proportion assessed for the whole of Bengal being

one in 687 against one in 650 in the previous year. These figures have been calculated from the provisional totals of population issued by the Census Commissioner for India on the 8th May. Those given in the Board's report are based on the population of 1881, and thus exaggerate the incidence of the tax. The same remark applies also in some degree to the figures of incidence for 1889-90, which were necessarily calculated on the population returns of 1881. But until statistical research has advanced far enough in Bengal to enable the normal yearly rate of increase to be accurately determined, no precise comparison can be made between the population statistics of the first year of a new census period and the last year of an old one.

7. In the Board's Report on the income-tax for last year, an interesting statement was given, illustrating the distribution of the yield of the tax as between Calcutta and the rest of Bengal. This is reproduced below, the results of the past year being added. The Lieutenant-Governor desires that this statement may be continued in future reports:—

Year.	Act imposing tax.	Number of persons assessed in—			Amount of tax realised in—		
		Calcutta.	Rest of province.	Total.	Calcutta.	Rest of province.	Total.
					Rs.	Rs.	Rs.
1860-61 ...	Income-tax Act XXXII of 1860	......*	241,297	241,297	30,60,061	34,79,428	65,39,489
1861-62 ...	Ditto ditto	......*	244,471	244,471	17,83,500	40,68,945	58,52,445
1862-63 ...	Ditto ditto	......*	61,740	61,740	17,09,743	31,30,344	48,40,087
1863-64 ...	Ditto ditto	......*	57,879	57,879	12,32,583	22,59,818	34,92,401
1864-65 ...	Ditto ditto	......*	51,367	51,367	11,47,062	20,00,435	31,47,497
1867-68 ...	License Acts XXI and XXIX of 1867	23,332	160,040	183,372	4,66,286	10,79,255	15,45,541
1868-69 ...	Certificate Tax Act IX of 1868	9,824	54,161	63,985	5,39,338	8,74,677	14,14,015
1869-70 ...	Income-tax Acts IX and XXIII of 1869 and XVI of 1870.	22,728	142,342	165,070	12,20,455	26,26,189	38,46,644
1870-71 ...	Ditto ditto	......*	97,831	97,831	21,21,525	42,99,175	64,20,700
1871-72 ...	Income-tax Act XII of 1871	7,497	43,968	51,465	6,87,755	13,52,436	20,40,190
1872-73 ...	Ditto VIII of 1872	......*	27,398	27,398	6,04,187	9,52,110	15,56,297
1878-79 ...	License Tax Act I (B.C.) of 1878	31,801	808,706	840,507	3,35,331	23,30,422	26,65,753
1879-80 ...	Ditto ditto	22,427	718,005	740,432	3,00,692	15,57,090	18,57,782
1880-81 ...	Ditto II (B.C.) of 1880	8,142	63,414	71,556	4,11,260	10,73,602	14,84,862
1881-82 ...	Ditto ditto	7,973	60,900	68,873	4,12,290	10,26,865	14,39,155
1882-83 ...	Ditto ditto	8,434	61,407	69,841	4,04,000	10,25,656	14,29,656
1883-84 ...	Ditto ditto	8,673	62,620	71,293	4,13,670	10,39,972	14,53,642
1884-85 ...	Ditto ditto	8,628	61,631	70,259	4,04,570	10,27,426	14,31,996
1885-86 ...	Ditto ditto	8,794	61,088	69,882	4,12,545	10,16,577	14,29,122
1886-87 ...	Income-tax Act II of 1886	21,170	77,131	98,301†	17,05,885	16,78,796	33,84,681†
1887-88 ...	Ditto ditto	20,941	79,297	100,238†	14,24,012	16,96,342	31,20,354†
1888-89 ...	Ditto ditto	23,128	79,279	102,407†	15,91,286	16,98,314	32,89,600†
1889-90 ...	Ditto ditto	22,555	79,710	102,265†	16,95,163	17,41,574	34,36,737†
1890-91 ...	Ditto ditto	22,159	80,829	102,988	17,11,574	17,75,061	34,86,635†

* Figures not available.
† Exclusive of the tax on salaries, &c., recovered by the Accountant-General, or the tax on the interest of Government securities.

It will be observed that in 1890-91, as in the preceding year, Calcutta contributed nearly 50 per cent. of the amount collected as the income-tax of the year, excluding penalties, fines, arrears of previous years, the tax on salaries recovered by the Accountant-General, and the tax on the interest of Government securities. Another point to be noticed is that while the yield of the income-tax of 1860 shows a progressive decline for the five years for which it was in force, the proceeds of the present tax, excluding a slight fall due to the inevitable difficulties of a first assessment, exhibit both in Calcutta and the mofussil a steady increase, indicating that the tax has now been established on a permanent footing and may be expected, if discreetly administered, to go on growing with the growth of the incomes which it is intended to touch.

Coercive measures.

8. There were somewhat fewer distress warrants issued than in the previous year, but the number of cases in which actual coercion was resorted to rose from 267 to 346. Sales were most numerous in Rungpore (154), Furreedpore (32), Khulna (29) and Balasore (14). The large increase in Rungpore from 51 to 154 is said to be due to the wilful recusancy of certain assessees who, though well able to pay, allowed their property to go to sale in the belief that they would thus establish a claim to reduction or exemption in future years. In Calcutta no distress warrants were issued during the year.

By rule 13 of the rules made by the Government of Bengal in virtue of the authority delegated by the Government of India under section 38 (1) of the Act, remission is granted at varying rates to private employers who undertake under section 9 (2) to collect from persons in their service. During the past year the number of firms and men of business who entered into agreements under this section fell from 403 to 348, and in the mofussil 13 of them failed to collect

the tax after agreement. In Calcutta the numbers fell from 206 to 183, but all those who agreed kept their engagement to collect the tax. The Board conclude from this that the terms* offered under rule 13 were not sufficient to induce employers to undertake the work of collection, and that the scheme for thus simplifying the administration of the tax "cannot be said to succeed." It seems to the Lieutenant-Governor that this conclusion is premature. The remission granted has induced a substantial number of firms to enter into and fulfil agreements under the rule in question, and it is possible that the falling off in such agreements during the past year may be only of a temporary nature. It is stated in the Report for 1889-90 that native employers, even when they have a large number of well-paid persons in their service, are unwilling to assist in realising the tax from them. The point is one which might properly be followed up in future reports.

* 5 per cent. for yearly payment.
3 ,, quarterly ,,
1 ,, monthly ,,

10. The expenditure incurred in the working of the tax rose from Rs. 1,66,778 in 1889-90 to Rs. 1,83,712 in the year under review, the entire increase being due to the separation in twenty districts of the appointment of Assessor of Income-tax from that of Inspector of Excise. The percentage of expenditure for the whole province was 4·9 as compared with 4·5 in the previous year. This part of the subject is treated by the Board with extreme brevity.

11. Analysing the proceeds of the tax with reference to the various grades of income liable to assessment, it will be seen that the two extremes—the richest and the poorest among those who are liable to pay the tax—contribute most to the total collected. From the first or lowest class of assessees, numbering 57,098, whose yearly incomes range from Rs. 500 to Rs. 750, the State draws Rs. 5,74,754, or 14·5 of the entire tax, while in the highest or fifteenth class the 91 persons who are assessed on incomes of a lakh and over make up Rs. 5,53,328, or 13·9 of the total. Next in order follow 5,535 persons in class VIII with incomes between Rs 2,500 and Rs. 5,000, paying Rs. 4,85,202; and 2,328 persons in class IX, assessed on yearly incomes varying from Rs. 5,000 to Rs. 10,000, contribute Rs. 4,03,307 to the yield of the tax. The smallest contribution (Rs 74,870) comes from the 70 persons in class XIII, with incomes between Rs. 40,000 and Rs. 50,000.

The following statement shows for the last two years the classes from whom income-tax payments exceeding a lakh were levied :—

	1890-91.		1889-90.	
	Rs.	Percentage of total collections.	Rs.	Percentage of total collections.
Money-lending and changing ...	5,93,311	14·9	5,72,092	14·6
Salaries paid by Government ...	4,00,957	10·1	3,93,059	10
General merchants... ...	3,84,771	9·7	3,63,550	9·3
Dealers in other articles ...	2,04,686	5·1	1,96,671	5
Piece-goods merchants ...	1,50,137	3·7	1,59,973	4 1
Taxable estate-holders ...	1,39,643	3·5	1,28,081	3·2
Barristers, &c.	1,23,705	3·1	1,23,254	3·1
Clerks paid by Companies, &c. ...	1,18,745	3	1,52,828	3·9
Banking	1,09,890	2·7	......	...
Managers, &c.	1,08,429	2·7	1,06,135	2·7
House proprietors	1,06,113	2·6	1,16,050	2·9
Others	1,00,493	2·5	......	...
Grain merchants	1,00,483	2 5	1,04,677	2·6
Jute and hemp	......	...	1,05,606	2·7

It will be seen that "banking," which paid less than a lakh in 1889-90, has regained its position during the last year, while "jute and hemp" have fallen below their former standard and thus disappear from the statement. In the percentages of contribution there is little change. The proceeds under the head of "taxable estate-holders," including, it is understood, the proceeds of water and fishing rights and the rent of mining lands, show a satisfactory increase.

12. An examination of the classified statement of incomes (Return No. V) annexed to the Report throws some light upon the distribution of wealth, the employment of capital, and the comparative profits of different trades and professions. Taking for example the three large groups of money-lenders, Government officials, and general merchants, who between them pay more than a third of the tax, it will be seen that the Rs. 5,93,311

paid by the money-lenders is levied from 27,419 persons, while 4 lakhs assessed on officials fall on 7,791 persons, and the Rs. 3,84,771 collected from general merchants are paid by only 1,539 persons. Among general merchants, again, no less than 31 pay on incomes exceeding a lakh, and 32 on incomes between half a lakh and a lakh, while only two officials and five money-lenders attain the distinction of figuring in the former class, and six officials and ten money-lenders appear in the latter. It will further be observed that general merchandise and jute account for a fraction more than one-half of the 91 assessments on incomes of a lakh and over, the other half being distributed in driblets among various trades and professions. The statistics of professional incomes furnish interesting data for estimating the comparative prospects of different occupations, and serve, among other things, to cast doubts upon the popular impression that at least half a dozen barristers in Calcutta make more than a lakh a year by their practice. If the income-tax returns can be relied on, there is only one whose income exceeded a lakh of rupees last year. In 1889-90 there were two, assessed on an average of Rs. 1,36,000 a piece. There seems, however, to be no reason to apprehend any serious decline in the profits of the Indian bar, for no less than seven barristers paid tax on incomes averaging Rs. 85,000, four returned from Rs. 40,000 to Rs. 50,000, and the same number earned between Rs. 30,000 and Rs. 40,000. The average income of the groups of assessees described as "barristers and others" comes to about Rs. 2,500 a year, which contrasts favourably with the earnings of the 12 school-masters, all of whom were assessed in the lowest class, on incomes between Rs. 500 and Rs. 750. Success in the higher branches of the medical profession brings with it a substantial reward, as may be judged from the fact that one doctor was assessed on an income of Rs. 73,000, another on Rs. 40,000 to Rs. 50,000, and two more on incomes between Rs. 30,000 and Rs. 40,000. Engineering also seems to be doing well, seeing that tax was collected on one income of Rs. 2,33,000, and on another between Rs. 40,000 and Rs. 50,000, while the average profits of the profession, as given in these returns, come to Rs. 7,500 a year, or three times as much as the average barrister and nearly six times as much as the average doctor can expect to earn. Turning now to commerce, it will be seen that the profits of some brokers reach a very respectable figure. Two members of this profession were assessed on incomes exceeding a lakh, eight on half a lakh to a lakh, five on incomes between Rs. 40,000 and Rs. 50,000, and seven on Rs. 30,000 to Rs. 40,000, the average of the class being Rs. 3,600. Under the comprehensive head "general merchants," the average income returned amounts to Rs. 9,600, a tolerably high figure when it is remembered how many petty native traders are in the habit of describing themselves as general merchants. The average profits of "agents" calculated from these returns come to Rs. 7,500 a year. Under the head of trade as distinguished from commerce and manufacture, only three incomes were assessed at a lakh and over—one a dealer in metals, and two dealers in dress, the latter paying tax on Rs. 3,79,000 between them. Notwithstanding the large profits made in these two instances, the average profits of the dress business, as shown in the returns, barely exceed Rs. 1,800 a year. Eleven newspaper proprietors appear in the returns, of whom one paid income-tax on Rs. 40,000 to Rs. 50,000, two on Rs. 5,000 to Rs. 10,000, one on Rs. 2,500 to Rs. 5,000, and two on Rs. 2,000 to Rs. 2,500, the remaining five being assessed on incomes between Rs. 500 and Rs 750. The average earnings of the eleven, as returned for income-tax purposes, amount to Rs. 6,000, but this figure includes papers under European as well as under native management, and it covers too wide variations of profit to be of any practical value, except as showing what a very small proportion of the large number of newspapers in Bengal make enough to render them liable to income-tax.

13. The payment of income-tax by means of postal money-orders is said to have worked well during the year. Not only does it save the assessees trouble and money, but by keeping them away from the touts who hang about the courts, it tends to diminish the number of frivolous objections. Only one difficulty is referred to, that the money-order coupon does not contain distinct headings for penalty and costs, so that sums paid on these accounts are incorrectly credited as tax. The Board will doubtless consider this point in communication with the Postmaster-General.

14. A bad case of embezzlement occurred in Rajshahye, resulting in a loss of Rs. 688 to Government. This fraud was made possible only by the disregard of a fundamental rule of treasury administration, and by the grossest carelessness in admitting receipts which contained blank spaces expressly left for fraudulent purposes. For both pieces of neglect the treasury officer was to blame, and his name should be reported to the Appointment Department of the Secretariat.

15. In referring to popular feeling on the subject of the income-tax, the Board say "the tax is and always must be unpopular." The enquiries it necessitates "are resented as inquisitorial and oppressive," and are often met by "the fabrication of false accounts" or "a garbled balance sheet." Of the truth of this description the Lieutenant-Governor has no doubt. Nothing but financial necessity can justify the retention of a tax which can only be based on a series of more or less accurate guesses. At the same time the principal hardship is felt by those whose incomes are smallest, and if the assessable minimum could be fixed at Rs. 1,000 instead of Rs. 500, the greater part of the complaints against the tax would be stilled. This change would exempt 70,807 persons out of the 104,886 who paid income-tax during the year, but would only lower the produce of the tax by Rs. 7,87,603 out of Rs. 39,55,807, or 19·9 of the whole receipts. It will be a profound relief both to the administration and the people when the day comes when the Government of India can afford to permit itself the luxury of granting this relaxation.

	Rs.		Rs.		Rs.
Class I,	500	to	750	...	5,74,754
" II,	750	to	1,000	...	2,12,849
					7,87,603

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE STATIONERY DEPARTMENT FOR THE YEAR 1890-91.

FINANCIAL DEPARTMENT.—MISCELLANEOUS.

RESOLUTION—No. 175T.—F.

Darjeeling, the 3rd September 1891.

READ—

Letter No. 519B., dated the 31st July 1891, from the Board of Revenue, submitting the Report on the Administration of the Stationery Department for the year 1890-91.

As in the previous year, the Board have reviewed the report of the Superintendent of Stationery, dealing with the salient features of the year's administration.

2. The following statement, reproduced from the Board's report, shows the value of the stocks, receipts and issues of the year under review, as compared with those of 1889-90:—

	1889-90. Rs.	1890-91. Rs.
Value of stores at the beginning of the year	11,46,468	8,07,666
Ditto received and credited during the year	15,27,658	18,87,799
Total ...	26,74,126	26,95,465
Value of stores issued	18,66,460	20,79,399
Balance ...	8,07,666	6,16,066

These figures are based on the particulars given in the body of the Superintendent's report (paragraph 3), and appear in none of the statements annexed to the report except Appendix C, which only shows the value of the issues according to the different kinds of articles supplied. This defect should be corrected in future reports by the addition of tabular statements which work up to the figures used in the report.

3. There was a rise in the value of the stores both received and issued from the Stationery Office. The increase in "Receipts" occurred chiefly in the purchase of locally-made pape[illegible] [illegible]e to the requirements of the Census Department. [illegible]he steady decline* in the last few years in the value of stores received from the India Office, due to the policy of substituting local products for European stores, received a slight check in the year under review. This increase (Rs. 5,880) is attributed to larger imports of drawing papers, pencil and copying press materials which could not be obtained locally. Much of the increase under "Issues" is attributed to census work, and to the value of a large quantity of unserviceable stores having been written off the accounts. A considerable increase occurred in the issues to Provincial Governments and to the departments and offices under the Government of India. The real causes of this increase are nowhere indicated in the report, and the explanation furnished by the Board merely amounts to a reiteration of the fact. An examination of the detailed statement promised in paragraph 5 of the Superintendent's report may be expected to throw some light on the subject. The largest increase occurred in Bengal (Rs 61,681), and the highest decrease (Rs. 40,418) in Burma.

	Rs.
* 1887-88 ...	5,03,109
1888-89	3,37,348
1889-90	2,01,273
1890-91 ...	2,10,153

4. After eliminating from the total issues (Rs. 20,79,399) the cost of the items noted in the margin, aggregating Rs. 15,76,819, which comprise certain paper adjustments and the consumption of Government presses, the actual cost of stationery supplied to Government offices, including State Railways and local bodies, amounts to Rs. 5,02,580, against Rs. 4,94,033 in the previous year. This expenditure does not seem extravagant, when it is remembered that it includes not only the ordinary supplies of pens, ink, and writing paper, but drawing paper, water colours, book-binding materials and articles used for survey or map-drawing in the whole of Upper India. Taking the total number of indenting offices at about 3,250, the average cost to each indenting

	Rs.
Cost of water-marked paper	1,75,657
Value of stores issued to printing presses ...	25,242
Value of unserviceable stores writen off and sold	20,596
Value of stores transferred to Bombay and Madras	376
Value of deficiences in stock-taking	618
Value of other miscellaneous adjustments ...	7,487
Loss by revaluing the closing balance at the issue rates of 1890-91 ...	7,077
Supplies to presses ...	13,39,766
Total ...	15,76,819

office comes to Rs. 154. The above figure, showing the cost of stationery supplied to Government offices, is worked out in a general way in paragraph 7 of the Board's report, but the details should in future be clearly shown in an appendix attached to the report. A list of the new offices which indented on the Stationery Office during the year is given in Appendix B, which shows that the number was 70 against 60 added last year. But the statement, to be more accurate and useful, ought also to show the offices which ceased indenting on the Stationery Office. Some of the survey parties must have been closed, while in certain cases the so-called new offices appear to be really old offices under new names.

5. The Superintendent thus summarises the financial results of the year:—"The Imperial Government bears the charges of Rs. 2,10,153 for imported stores (plus the difference in exchange required to adjust the transactions with the Secretary of State), of Rs. 14,04,119 for country-made stores, and of Rs. 8,55,723 for the supplies to departments and offices directly subordinate to it, and to the Census offices. On the other hand, it recovers from local Governments and paying departments, &c, the sum of Rs 10,51,692 and Rs. 1,10,588 respectively, and holds a stock balance valued at Rs. 6,16,066." The items referred to here are no doubt the principal heads of expenditure, but the Superintendent has omitted to notice some which involve real expenditure, such as the "value of English stores purchased locally" and "value of stores issued to printing presses" for blank books, &c.

6. The income and expenditure of the Stationery Department amounted during the year to Rs. 78,715 and Rs. 70,701 respectively against Rs. 62,240 and Rs 69,568 in 1889-90. The receipts were chiefly derived from an allowance of 5 per cent. commission which the supplier pays to the Stationery Office on the purchase of local stores. Another item of receipt is a charge of 10 per cent. which is realized in addition to the prime cost of the articles from public officers who are not entitled to free supply, but who are supplied on their certifying that the stationery is required for official use only. This allowance is realised to cover the cost of the establishment employed and other incidental charges. The charges are mainly on account of establishment, godown rent, and freight. There was an increase of about Rs. 2,000 in establishment as compared with the previous year, which is due partly to the fact that the Superintendent's office required to be strengthened in some of its branches, and partly to the yearly increments allowed to clerks.

7. In paragraph 13 of his report, the Superintendent refers to the cost of paper of Indian manufacture and of imported English paper. He writes:—

> "After a careful examination of the method of comparing the cost of printing paper purchased in India with the estimated cost of obtaining it through the India Office, the Director-General of Stores of the India Office came to the conclusion that the paper could have been supplied cheaper from England. In order that in future the rates charged for locally manufactured paper may be tested with the current prices of English paper, it has been decided that the Superintendent of Stationery shall send samples of paper direct to the Store Department of the India Office seven or eight weeks at least before he calls for tenders, and ascertain, in correspondence with the Director-General of Stores, at what cost similar paper could be obtained in England. The recent establishment of the Bengal Paper Mills at Raneegunge by Messrs. Balmer, Lawrie and Company has increased the competition for Government patronage, and consequently a considerable reduction in the rates of all the Indian Paper Mills for the current year's supply has been effected. There can be little doubt, I think, that the Indian paper now supplied to the Stationery Office is as cheap, if not cheaper, than English paper, and the price of the latter has apparently reached a minimum."

The Lieutenant-Governor fully agrees in the above view. It is certain that in the end it will be cheaper to buy paper in India, and probably it is so now. Competition has already compelled Indian manufacturers to reduce their prices, and will reduce them still further.

8. The operations of the Form Store Department are confined to checking the indents received for forms from Bengal and Assam, obtaining the forms from the Presidency Jail Press, fixing the quality and size of paper to be used, despatching them to indenting officers, and maintaining a reserve to meet emergent demands. 66,871,662 forms were received from the Press, and 68,403,460 were issued in 1890-91 against 74,667,827 received and 71,201,429 issued in 1889-90. The decrease in issues is attributed to the check exercised over indents by the Stationery Office, and the falling off in receipts to certain

forms not having been received from the Press until after the close of the year. There have been several complaints regarding the delay in meeting the indents of officers, which, among other reasons, is attributed to the inability of the Presidency Jail Press to keep up with the demands of the Stationery Office for new proofs, and to meet the requirements of the Superintendent of Census Operations. The attention of the Inspector-General of Jails and the Superintendent of Government Printing, Bengal, will be invited to this matter.

9. Appendix II shows the number of standard forms with the number of new forms that have been added and old forms that have been revised during the year. There is, however, reason to believe that in addition to the forms requiring revision, there are many old forms which have been superseded and require to be cancelled. It is necessary that some officer should constantly be on the watch to detect such cases, and His Honour would wish the Superintendent of Stationery to report when he sees one form overlapping another. For instance, the High Court new criminal forms overlap and should supersede several police forms, and the Sonthal Pergunnahs forms are almost identical with ordinary district forms, and there is apparently no justification for keeping up the separate forms. The total cost of printing and paper for the forms supplied to Government offices was Rs. 3,79,877 against Rs. 4,10,018 during 1889-90.

10. The Lieutenant-Governor is glad to observe that the system of supplying newspapers and periodicals through the agency of Messrs. King Hamilton and Company, and rubber stamps and ink through the Stationery Office, is working well. The total expenditure incurred on account of subscriptions to newspapers, &c., amounts to Rs. 78,148 against Rs. 70,110 in 1889-90. The expenditure incurred in the purchase of rubber stamps and inks was Rs. 7,104, while under the old arrangement the expenditure averaged more than Rs. 25,000 a year.

11. The Lieutenant-Governor notices with satisfaction the good work performed by Mr. Drake, who held the appointment of Superintendent of Stationery up to the 22nd January, on which date he was relieved of his duties by the permanent incumbent.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secy to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL GENERAL ADMINISTRATION REPORT OF THE DACCA DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS.

Calcutta, the 8th September 1891.

RESOLUTION No. 1087.

READ—

The Annual General Administration Report of the Dacca Division for the year 1890-91.

Tours.

The tours of the Commissioners in charge of the division during the year only amounted in all to 67 days, of which Mr. Power completed the first 42 days during the months of April, June, July, August and September. The Lieutenant-Governor is of opinion that this is far too brief a tour to enable a Commissioner to thoroughly inspect and make himself acquainted with the division. In the present case it is matter for regret that the shortness of the tour resulted in the great district of Backergunge and its treasury and the sub-treasuries not being visited at all, while the sub-divisions of Munshigunge in Dacca, and of Madaripore in the Furreedpore district, were also left uninspected. His Honour has lately seen the two places last mentioned and satisfied himself that they are both of sufficient importance and interest to merit periodical visits from an officer of a Commissioner's position.

As the prescribed period of duration for the tours of district officers and of sub-divisional officers has for some time past been fixed at 90 days and has been generally observed, the amount cannot be regarded as excessive, and yet the Lieutenant-Governor observes a tendency to treat it rather as a maximum than as a minimum, and to grudge even an extra day or two in addition. In Furreedpore, for instance, the total touring amounted to only 93 days, counting 6 days which were spent on tour by an officer who was not then in charge of the district, and which may therefore be properly excluded. In Dacca, again, the minimum was only exceeded by 4 days, and in Maimansingh by 11. Backergunge shows by far the most creditable total, amounting to 114 days. The sub-divisions show even worse results. By a special provision the Sub-divisional Officer of Naraingunge is permitted, owing to the small size of the sub-division and the quantity of work at his head-quarters, to show a minimum of 80 days, but in spite of this his tour amounted to only 76 days. The Commissioner remarks that the deficiency of 4 days appears inconsiderable. The Lieutenant-Governor is unable to agree in this view, and considers that, with such a small minimum prescribed, there was no excuse whatever for disregarding it. The same remark applies to the Madaripore sub-division, where Babu Hari Mohan Sen travelled for only 80 days, while Munshigunge with 90, Bhola with 93, and Kishoregunge with 92, show plainly the tendency above mentioned to grudge the least excess.

All the sub-divisions were duly inspected by the district officers during the year.

Material condition of the people.

2. The accounts given from all parts of the division of the condition of the people are satisfactory, and in this respect Dacca is probably the most favoured division of Bengal. From Backergunge, Mr. Savage writes:—"The material condition of the cultivating class, *i.e.*, the mass of the population, continues to be one of great prosperity." From Maimansingh, Mr. Phillips gives an interesting and more graphic description. He says:—

"Their homesteads are generally comfortable, with a good bit of *palan* attached. On this are grown vegetables, fruits, tobacco, betelnut, pâns, &c., the surplus produce being taken to market. The cultivators are also well-dressed and look well-nourished. I noticed this well-fed appearance even in the jail, and the criminal population does not display that squalid poverty which is found in many districts. Fish is a chief article of diet, as the cultivators generally catch them in rivers, khals and bheels, and for this no rent is paid. Almost every cultivator has a *piran*, an umbrella of Manchester make, and shoes. Cheap pottery has been largely superseded by metal utensils, and women wear no ornaments made of any cheaper metal than silver."

From Dacca, again, Mr. Hare writes that the work of artificially raising house sites is largely done by imported labour. He adds:—"When people can afford to pay for such work to be done for them, instead of

doing it themselves, they are clearly a long way removed from extreme poverty." The fact that few of the cultivators become rich is attributed by the Commissioner to the comparatively high standard of living. The cultivator of the Dacca Division gets regularly two cooked meals a day, while in Behar, or even Western Bengal, this is rather the exception than the rule. The curse of indebtedness arises here, as elsewhere in Bengal, from unthrift, extravagance at marriages and on similar occasions, and inconsiderate litigation; but the Lieutenant-Governor is unable to agree with the Collector of Maimansingh that what is required is a State-aided bank. The State has other work to do, which fully occupies the time of its officers. He has had the opportunity recently of impressing upon an assemblage of the chief persons of the district the need for individual effort instead of looking to Government for everything.

The price of common rice rose slightly in Maimansingh during the year owing to expansion in the cultivation of jute, but the rise was fully compensated by a fall in the price of other food products. It is possible that, as reported, the price of rice may rise still higher if the cultivation of jute is persisted in; but it may be presumed that the cultivator knows his own interest in growing a more valuable crop.

Trade and commerce.

3. The course of trade exhibited few striking features during the year. Jute dealings fell off heavily here, as in other parts of Bengal, owing to the collapse in the Calcutta market. The local view now entertained, as ascertained by His Honour personally on his recent tour, is that the crop of 1890 was of unusual magnitude, which resulted by the end of the season in a fall of prices so serious as to be in some places almost disastrous. The effect is naturally to induce a smaller cultivation in the following year. The fish trade appears to be flourishing. It is reported that in the cold season two fish trains run daily from Goalundo to supply Calcutta, while a new trade in salted hilsa, also for the Calcutta market, has arisen in the Perozepore sub-division of Backergunge.

Crime.

4. The total number of reported cases shows an increase of 1,243, from 29,793 in 1889 to 31,036 in 1890. The rise was entirely due to cognizable cases, and is attributed to a large number of prosecutions in nuisance cases, owing to greater activity on the part of the municipal subordinates and of the town police. Rioting shows an increase in the divisional figures, but the figures for the several districts are not given; and, speaking generally, the Lieutenant-Governor notices a want of detail and of care in selecting the figures given in the paragraphs dealing with crime. No doubt it may be said that the subject has been fully treated in the separate report on Criminal Justice, but the Lieutenant-Governor thinks that a good deal more information might have been shown in little more space than is already afforded to the subject of crime in the annual report.

Civil and Criminal Justice.

5. The statistics of civil cases are set forth in the prescribed form in the statements appended to the report, but the remarks recorded above as to crime apply also to the paragraphs which deal with the subject of criminal justice.

The figures showing the total number of civil suits pending from the preceding year, instituted and disposed of, are not understood. It is said that 104,459 suits were instituted and 105,216 disposed of: the pending file should therefore have decreased by 757, whereas it is said to have increased from 19,059 to 20,695, or by 1,636 cases.

The remarks of the Magistrate of Maimansingh on the disinclination of Civil Courts to lighten their own work by making due use of the Criminal Courts are worthy of attention. He writes :—

"The Civil Courts increase their work by their unwillingness to commit to the Criminal Courts persons guilty of flagrant perjury and forgery and other offences against civil justice. If litigants know that the chances are 100 to 1 against their being prosecuted for such offences, they will certainly commit them Again, it is considered a point of honour, I believe, among persons of wealth or influence, not to obey a Civil Court process—at any rate not the first two or three processes. It is only when they are called upon to show cause why they should not be sent to the fouzdari that they think it compatible with their dignity to come in. And yet, since I have been here, only four persons have been committed by the Civil Courts under section 174, Penal Code, and of those three were committed by the Judge. This delay in coming in causes the utmost inconvenience and harassment to the parties.

"Again, though failure to give a proper rent receipt is a criminal offence, Munsifs never send such cases to the Criminal Courts. They receive receipts written on scraps of dirty country paper, and thereby needlessly increase their labours tenfold. If they would impound the receipts and send them to the Collector now and again, they would find their labours considerably lightened."

The figures quoted by the Commissioner under the head of Criminal Justice, regarding the recovery of stolen property, correspond with those given in paragraph 70 of the Annual Police Report for the province. The test is not considered one of the best of the efficiency of the Police, as percentages are so much affected by a few cases of high value easily detected. But, so far as the test goes for comparison with other divisions, it shows that in respect of the percentage of cases of property recovered to property lost, Dacca was the worst division, and in respect of the value of the same, it was the worst division but two. The results given of prosecutions in cognizable cases show a little improvement. In Sessions cases the districts of Maimansingh, Backergunge, and Furreedpore stand 13th, 14th, and 30th respectively in the list of districts. Complete figures are given showing the number of cases disposed of and the number of persons convicted and acquitted by the various Benches and Honorary Magistrates of the division. The results appear to have been only fairly satisfactory, 3,909 cases having been completed, in which 2,096 persons were convicted and 2,117, or over 50 per cent., were acquitted. It would be useful if similar figures were given in a tabular form showing the work done by the Stipendiary Magistrates, and orders will issue in a separate Resolution regarding the statistical information which the Lieutenant-Governor wishes to see included in these reports. The attendance of Honorary Magistrates has in many cases, notably in Jamalpore, Haridaspore and Madaripore, been irregular, one reason assigned being that a large number of the Magistrates are Pleaders, who presumably have much work of their own to attend to, and may also be connected in many instances with the cases under trial. The names of such Magistrates who are frequently absent when put upon the roster should be removed from the list.

Registration.

6. A falling off in the receipts, accompanied by an increase of expenditure, is reported. The Lieutenant-Governor desires that reference may be made in future reports to the amounts paid and received or refused by the zemindars on account of landlord's fees, as prescribed by sections 12, 13, and 15 of the Bengal Tenancy Act VIII of 1885.

Land Revenue Administration.

7. The collections amounted to Rs. 34,72,481, being 92·9 per cent. on the total dues (including both arrear and current), which are stated to have been Rs. 37,33,918. Fuller statistics might with advantage be given. The subject has apparently been slightly dealt with in the present report owing to its having been fully discussed in the Annual Land Revenue Administration Report submitted to the Board of Revenue, which is separately laid before and reviewed by Government. The statistics given as to the working of the certificate procedure are also insufficient. Information should be given showing for each district the different departments for which certificates were made, and the success with which they met, namely, how many were realized on the first issue, how many on attachment, and how many on actual sale or by warrant of arrest. It should also be reported whether any persons, and if so how many, were actually sent to the civil jail for default.

The partition work of the division shows that 121 partitions were effected during the year, against 93 in 1889-90. But in consequence of the number of new cases the arrear list is heavier at the close of the year than at the commencement. There is nothing to show that the officers engaged were fully employed or did all that could be expected of them. A separate report should be submitted through the Board, giving the names of the Special Deputy Collectors, and showing specifically the work done by each. The information as to settlements is extremely meagre.

Attached estates.

8. The Lieutenant-Governor agrees with the Commissioner that the management of the Dakhin Shabazpore estate reflects credit on the Manager, Babu Sasi Kumar Dutta. The same cannot be said of all the other estates, especially those of Talipabad in the Dacca district, under the management of Babu Kasi Chandra Rai, and of Dhankora in the Maimansingh district. The former shows a realization

of Rs. 12,248 only out of a demand of Rs. 17,875 and an arrear balance of Rs. 30,112, leaving a balance at the end of the year now reported on of Rs. 35,739. In the latter estate there was at the commencement of the year an arrear of Rs. 2,70,228, and a current demand of Rs. 1,32,419, out of which only Rs. 1,28,108 were realized. It is not stated for how long these enormous arrears have been accumulating. The Lieutenant-Governor has taken steps to have the names of the Managers of all Wards' Estates reported to Government.

Excise.

9. Paragraph 52 of the report mentions, as one of the administrative changes of the division, the introduction of the distillery system throughout the district of Maimansingh only; but this appears to conflict with the statement under the head of Excise, that the complete introduction of the distillery system throughout the division formed the chief feature of the Excise administration. Considering how important a change this was, the statistics given as to its financial effect are insufficient. The report shows that the general result was favourable, as the receipts show a large increase of revenue from country spirits from Rs. 1,88,265 to Rs. 2,11,699; but it is not stated how much of this income arises from still-head duty and how much from license fees, nor is any information given as to the number of shops in either this or previous years.

Money-orders.

10. Remittances of money by postal order show an excellent development, the number of orders having increased from 293,228 in 1889-90 to 369,024 in 1890-91. The money value of these orders was Rs. 79,95,964, against Rs. 64,81,393 in the previous year—an increase of no less than Rs. 15,14,571. The money-orders paid in the division showed a similar increase of Rs. 16,12,000.

Dispensaries and hospitals.

11. There are 32 dispensaries in the division, of which 11 are managed by municipalities, 18 by private bodies, 2 by private managers, and 1 by the Backergunge District Board. Of these, 18 gave relief to both in and out-door patients. Figures might with advantage have been given showing the average number of out-door and in-door patients for each dispensary and the cost of management.

The Lieutenant-Governor notices with great pleasure the handsome offer of Nawab Ahsanullah Khan Bahadur, C.I.E., to subscribe Rs. 50,000 as an endowment to, and of Raja Sreenath Roy to subscribe Rs. 10,000 for the purchase of a site for, a female hospital at Dacca with private wards and dispensary in connection with the Dufferin Memorial Fund. Raja Sreenath Roy has also provided funds for an eye hospital, which it is expected will be taken in hand during the present year.

Zemindari dák.

12. Under this head statistics should be given showing for each district the demand, collections, and arrears, with an explanation of any change that may have been made in the rate of assessment or in the amount of expenditure. Figures should also be supplied showing the number of certificates that have been issued for realization of arrears and with what results. It appears from the figures previously submitted by the Commissioner in accordance with Government Circular No 30, dated the 29th November 1871, that there was a total demand of Rs. 55,232-3-10, and that Rs. 52,999-9-3 were collected during the year. There was a fall of 2 annas, from Re. 1-8 to Re. 1-6, per cent. on the land revenue in the rate of assessment of this cess in the Backergunge district.

13. In conclusion, the Lieutenant-Governor desires to express his acknowledgments to Mr. Power, who held charge of the division up to the 30th November 1890, and to the District Officers for their administration of their charges under unusual pressure owing to the census operations and other causes. The lamented death of Mr. Boxwell, who was Commissioner of the Division for the latter part of the year, has already formed the subject of a special obituary notice in the Gazette.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 5th September, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*		
BURDWAN DIVN.	1	Burdwan Sept. 5, '91 Culna ... Cutwa ... Raneegunge ...	0·24 0·99 0·33 0·95	Weather—hot. Transplanting of *aman* nearly finished. Harvesting of *aus* going on. Prospects of *aman* and sugarcane fair. A few cases of cattle-pox here and there. Supply of fodder and water sufficient. Prices of common rice:— Srs. Burdwan ... ... 17 Culna ... ... 14 Cutwa ... ... 16 Raneegunge ... ... 16 } per rupee.
	2	Bankoora „ 5, '91	1·74	Weather—showery. Prospects of rice and sugarcane good. Condition of cattle good. Supply of fodder sufficient. Common rice selling at 17½ seers per rupee at Bishenpur and 18½ seers at Bankoora.
	3	Birbhum „ 5, '91 Rampore Haut ...	1·80 0·59	Break in the rains seems over. Rice crop doing very well. All reports agree that sugarcane is the worse for heavy rain, but yet the rain cannot be said to have been excessive. Price of common rice slightly lower, being from 17 to 20 seers per rupee. Health of cattle good. Fodder and water everywhere plentiful.
	4	Midnapur „ 5, '91	2·47	Weather—rainy. Transplanting still going on. Indigo all gathered. Prices of common rice:— Srs. Sudder ... ... 15 Contai ... ... 16 Tamluk ... ... 17 Ghatal ... ... 17 } per rupee.
	5	Hooghly „ 5, '91 Serampore ... Jehanabad ...	2·31 1·8 1·58	Weather—sultry and showery all the week. Prospects of crops good. Fodder and water-supply sufficient. Cattle disease in Jehanabad (Goghat thana and Buddungunge outpost) and Pandua (Sudder). Prices of common rice:— Srs. Sudder ... ... 13 Serampore ... ... 13 Jehanabad ... ... 16 } per rupee.
	6	Howrah „ 5, '91 Uluberia ...	1·58 1·50	Weather—rainy. Jute, paddy, and sugarcane crops doing well. Jute being cut. Condition of cattle good. Fodder and water-supply sufficient. Price of common rice 14 to 14½ seers per rupee.
		Central Districts.		
PRESIDENCY DIVN.	7	24-Perghs. Sept. 8, '91	2·11	Alternate rain and sun. Weather still warm. *Aus* ripening and jute being cut. Sugarcane thriving. Transplantation is still being carried on. *Aman* wants more rain in Baraset. Prospects continue favourable. Lands flooded in Kulpi are now free from water and (?) are being transplanted. Cattle-disease abated in Diamond Harbour, but still prevalent in thanas Harowa, Canning, and Joynagore. Water and fodder adequate. Prices steady.
	8	Nuddea „ 5, '91 Kushtea ... Ranaghat ...	0·95 0·89 0·99	Weather—seasonable. Harvesting of *aus* and jute going on. Rain wanted for *aman*. Lands being ploughed for winter crops. Health of cattle good, and supply of fodder and water sufficient.
	9	Khoolna „ 5, '91 Bagirhat ... Satkhira ...	0·17 0·74 0·29	Weather—hot with little rain. More rain is wanted for the crops. Harvesting of *aus* and jute going on. Transplantation of *aman* nearly finished. Cattle-disease prevalent in parts. Supply of fodder and water for cattle sufficient.
	10	Jessore „ 5, '91 Jhenidah ... Magura ... Narail ... Bongong ...	2·64 0·42 0·31 1·09 1·44	Weather—hot. *Aus* paddy harvest nearly completed; outturn good. *Aman* crop requires still more flood-water throughout the district, especially in the high lands.
	11	Murshedabad „ 7, '91	1·83	Weather—hot and cloudy. Harvesting of *bhadoi* nearly finished; average outturn estimated to be 14 annas. Cultivation of *aman* not yet completed. Sugarcane doing well. 33 head of cattle died from small-pox in Kandi subdivision. There is sufficient fodder for cattle.
RAJSHAHYE DIVN.	12	Dinagepur „ 5, '91 Thakurgaon ...	0·37 0·93	Weather—cloudy with east wind. Rain urgently wanted for standing crops. Prospects fair. Condition of cattle reported to be good. Supply of fodder and water sufficient. Price of rice stationary, but a rise is probable.
	13	Rajshahye „ 5, '91 Nattore Nowgong ...	0·23 0·47 0·67	Not enough rain for the time of the year. In parts there is a great want of rain; and the country generally requires more water. Crops will be seriously affected if it does not rain heavily soon.
	14	Rungpur „ 5, '91 Gaibanda ... Kurigram ... Nilphamari ...	2·26 0·12 Nil 0·23	Weather—cloudy with easterly wind. Showers have done some good, but transplantation of winter rice is almost stopped. Rice on high lands is being injured, and more rain generally required. Prospects of sugarcane good. Outturn of *aus* rice very fair. Rivers and tanks low. Fodder plentiful.
	15	Bogra „ 5, '91 Sherpur ... Nowkhilla ...	0·98 0·80 0·93	Weather—generally fine, with high winds. Jute is still being cut; outturn will be on the whole about 12 annas. *Aus* almost all harvested, with an outturn of 16 annas. Transplantation of *aman* going on slowly, and unless heavy rain very soon falls, the crop will be a very poor one. Sugarcane doing well. Rivers are very low. Price of common rice has slightly risen—15 seers a rupee.
	16	Pubna „ 5, '91	0·75	Weather—seasonable. *Aus* paddy is still being reaped, and yielding an outturn of 12 annas. Jute is also being reaped. *Aman* paddy doing well. Rivers falling. Condition of cattle good. Fodder sufficient.
	17	Darjeeling „ 5, '91	1·01	Weather—fair. Cutting of *bhadoi* crop still continues. Transplantation of *haimanti* nearly completed. Sufficient fodder for cattle at present.
	18	Julpigoree „ 5, '91	0·27	Weather—very hot and cloudy at intervals. Prospects of crops not good. Transplantation of *haimanti* paddy going on. Rain much wanted. Price of rice rising. Fodder and water-supply abundant. Cattle-disease prevalent at Alipore and Patgram.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Eastern Districts.			
DACCA DIVN.	19	Dacca	Sept. 5, '91	1·18	Weather—seasonable. Harvesting of *aus* paddy nearly completed, and that of jute still going on. Damage is anticipated to *aman* crop for insufficient rain and flood. Fodder and water are available. Condition of cattle is good. Cheapest rice sold at from 15 to 18 seers per rupee.
	20	Furreedpur	„ 5, '91	0·86	Weather—seasonable. Prospects of crops fair. There is no want of fodder and no cattle disease. Rice selling at 16 and 17 seers per rupee respectively at Sudder and Madaripore.
	21	Backergunge	„ 5, '91	2·19	Weather—seasonable. Prospects of crops generally fair. Price of common rice varies from 13 to 18 seers per rupee. Condition of cattle generally good. Supply of fodder and water is as usual in the rainy season.
	22	Mymensingh	„ 5, '91	...	Weather—clear and cloudy by turn. Prospects of crops fair. More rain wanted for *aman* paddy. State of cattle good. Plentiful supply of fodder and water. Common rice sells at 13½ seers per rupee.
CHITTAGONG DIVN.	23	Chittagong	„ 5, '91	0·74	Weather—seasonable with occasional showers of rain. *Aus* is still harvested and *aman* transplanted. Prices steady.
	24	Noakholly	„ 5, '91	1·06	Weather—hot with little rain. Rain much wanted for transplantation of *aman* rice. Prospects not good. Prices, however, show no material change. Some *aus* rice still unharvested. Condition of cattle and fodder-supply normal.
	25	Tipperah	„ 5, '91	0·23	Weather—hot and steamy. Rain badly wanted in Brahmanbera subdivision Price of jute rising. Prospects of crops good. Fodder insufficient.
	26	Chittagong Hill Tracts.	„ 3, '91	5·31	Weather—sunny and cloudy with occasional falls of rain. Harvesting of *jum* paddy continues. Transplanting of paddy in low lands going on Common rice is being sold at 13 seers 5 chittacks per rupee. Cattle-disease (rinderpest) continues in some places. Fodder and water-supply good.
BEHAR.					
PATNA DIVN.	27	Patna	„ 5, '91	0·11	Weather—hot and cloudy. Transplantation of paddy is being retarded for want of rain. *Bhadoi* promises a good harvest. Prices slightly rising.
		Barh	...	0·10	
		Behar	...	0·06	
		Dinapur	...	0·10	
	28	Gya	„ 5, '91	2·34	Weather—hot, cloudy and occasionally rainy. Transplantation of paddy continues. Rainfall during the week has been beneficial to both the *bhadoi* and paddy crops. But more rain is wanted still for transplantation purposes. Prices of food-grains rising. Supply of fodder and water to cattle is sufficient.
		Nawada	...	1·80	
		Jehanabad	...	Nil	
		Aurungabad	...	0·24	
	29	Shahabad	„ 5, '91	0·39	Weather—slightly cooler than last week, but still hot; sky sometimes clouded. More rain urgently needed. Transplantation still going on in parts of Sasseram and Bhabuah, but stopped in Arrah and Buxar except where canal water is available. Prospects in Sasseram have improved. In Arrah *bhadoi* promises well; in Bhabuah this crop is reported to be withering. In Buxar half an inch of rain fell on the 3rd, not included in this return. Rainfall is very local. Fodder and water for cattle sufficient.
		Buxar	...	0·17	
		Sasseram	...	1·78	
		Bhabuah	...	0·63	
	30	Durbhunga	„ 5, '91	2·67	Weather—cloudy. Rice crop much benefited by rain, but more rain required. *Bhadoi* in the south a splendid crop, in the north not so good, and in places a poor crop. A good deal more rain is required for the north and east of the district. Condition of cattle good. Supply of fodder and water sufficient.
		Somastipur	...	0·65	
		Madhubani	...	2·97	
	31	Mozufferpur	„ 5, '91	0·73	A few showers in most parts of the district. Indian-corn and *marua* are being cut; the crops are generally excellent. Paddy is still in fairly good condition, and will be a good crop if good rain falls this month. It looks a little dried up in places in the north of the district. A few cases of cattle disease reported, but condition is generally good. Plenty of fodder and water.
		Sitamarhi	...	1·79	
		Hajipur	...	Nil	
	32	Sarun	„ 5, '91	0·47	Weather—hot and cloudy. Rain urgently wanted for the rice crop, a considerable portion of which has not been planted out yet. *Bhadoi* good. Fodder and water-supply sufficient for cattle.
	33	Chumparun	„ 5, '91	1·55	Weather—hot and occasionally cloudy. Paddy transplantation almost over. Prospects of *bhadoi* continue good throughout the district. Reaping of *sathi* going on. Rain urgently wanted for *aghani* paddy.
BHAGULPORE DIVN.	34	Monghyr	„ 5, '91	1·09	Weather—hot with occasional light showers. Harvesting of *bhadoi* crops going on; outturn expected to be good all round. Transplantation of winter rice almost finished, but what remains is retarded for want of sufficient rain. Condition of cattle good throughout the district except in some villages in the Lukhiserai outpost where cow-pox is prevailing. Supply of fodder and water sufficient.
		Beguserai	...	1·09	
		Jamui	...	0·93	
	35	Bhagulpur	„ 5, '91	1·35	Weather—cloudy with occasional rain. *Bhadoi* crops being harvested; yield expected to be good. Transplantation of winter rice going on. More rain wanted. Cattle disease reported. Price of common rice 15 seers 2 chittacks per rupee.
	36	Purneah	„ 5, '91	0·54	Weather—sultry. Sky cloudy, but no rain. Transplantation of *aghani* retarded almost everywhere for want of rain. In Sudder subdivision this crop is suffering in most places. In Kishengunge and Arrareah subdivisions the rice on low lands and places irrigated by bunds is doing well. In Kishengunge the ryots are bunding up small streams and rivers to irrigate their fields. Harvesting of *bhadoi* continues. Cutting of jute is going on, but steeping is hindered in some parts of Kishengunge for want of water. No cattle-disease. Fodder and water for cattle plentiful. Average price of common rice as follows:— Srs. In Sudder ... ... 17; „ Kishengunge ... 13; „ Arrareah ... ... 16 } per rupee.
		Kishengunge	...	0·04	
		Arrareah	...	0·48	

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*				
BHAGULPORE DIVN.—*concld.*	37	Maldah Sept. 5, '91	0·58	Weather—hot and bright with occasional light showers. Harvesting of *bhadoi* continues. Rain badly wanted for winter rice in several parts of the district. Transplantation of this crop has been retarded in Gajole, Bamongola, and Maldah for want of sufficient rainfall. Condition of cattle reported to be good. Supply of fodder and water sufficient. Common rice selling at from 14 to 20 seers per rupee.
		Chanchal ...	0·82	
		Gajole ...	1·05	
	38	Sonthal Perghs. „ 5, 91	0·95	Weather—sultry and thundery with showers. Easterly winds. Indian-corn harvest begun, and new grain coming to market. There will probably be a 16 anna crop. Rice doing well, but more rain wanted for the high lands. Fodder and water-supply good. Cattle doing well.
ORISSA.				
ORISSA DIVN.	39	Cuttack „ 5, '91	1·78	Weather—seasonable. *Beali* being reaped. *Sarad* and other crops doing well. Supply of fodder and water adequate at present.
	40	Pooree „ '91	3 97	Weather—seasonable. Transplanting, puddling and weeding of winter rice (*sarad*) going on. Early rice (*beali*) ripening. Price of common rice stationary. Cattle-disease reported from thana Gope.
		Pipli ...	3·86	
		Gope ...	3·90	
	41	Balasore „ 5, '91	1·77	Weather—close and sultry. Damage from floods reported from Bhadrak subdivision. Prospects elsewhere good. Cattle disease abating.
CHOTA NAGPORE				
South-West Frontier Agency.				
CHOTA NAGPORE DIVN.	42	Hazaribagh Sept. 5, '91	1·65	Weather—alternate clouds and sun and occasional showers. *Bhadoi* prospects excellent. More rain much wanted for rice transplantation, especially in west.
		Giridih ..	0·36	
	43	Lohardugga „ 5, '91	4·30	Weather—seasonable. Transplantation of winter rice is still being carried on here and there. *Bhadoi* crops doing well, but want of rain is reported about Palkote. Fodder and water plentiful.
		Palamow (up to 1st Sept.)	0·32	
	44	Singbhoom Sept. 5, '91	3·40	Weather—seasonable. State of crops good. *Bhadoi* being cut. Indian-corn giving a good outturn. Common rice sold in Chybassa market at 14 seers per rupee, against 13 seers in the previous week. Road works have been opened where distress was reported last week, but very few people are working, because the rates of remuneration do not please them. The rates are those fixed by the Famine Code.
	45	Manbhoom „ 5, '91	1·55	Weather—seasonable. Prospects of crops still continue good. Common rice selling at from 11 to 18 seers per rupee. Fodder-supply plentiful.
		Govindpur ...	0·39	

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 8th September, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

Number	DISTRICTS	Wheat: Present return	Wheat: Next preceding return	Wheat: Corresponding return of last year	Barley: Present return	Barley: Next preceding return	Barley: Corresponding return of last year	Rice, best sort: Present return	Rice, best sort: Next preceding return	Rice, best sort: Corresponding return of last year	Rice, common: Present return	Rice, common: Next preceding return	Rice, common: Corresponding return of last year	Jowar or Cholum (Sorghum Vulgare): Present return	Jowar or Cholum: Next preceding return	Jowar or Cholum: Corresponding return of last year
	BENGAL															
	Western Districts.	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch	S Ch
1	Burdwan	12 0	13 0	14 8	35 0	35 0		12 12	13 8	12 0	15 15	15 12	15 15		..	...
2	Bankoora	14 0	14 8	15 4	16 0	16 0	20 0	15 0	15 0	15 0	17 8	17 8	18 0		.	..
3	Boerbhoom	13 8	13 8	17 0	.		.	13 8	13 8	13 8	15 12	16 8	16 8	..	..	...
4	Midnapore*		13 0	11 0	..				13 0	13 0		16 0	16 0	.	...	...
5	Hooghly	13 0	1[illegible] 0	13 0	.	.	.	8 0	8 0	8 0	13 8	13 8	13 0		..	...
6	Howrah		12 8			.	..	10 8	11 4	10 0	14 0	13 4	13 4	.	...	–
	Central Districts															
	Calcutta	11 12	12 11	13 9	19 3	18 14	17 4	8 14	9 2	8 15	12 15	13 1	13 1	17 12	..	17 6
7	24 Pergunnahs	12 0	13 5	14 8	20 0	20 0	18 12	8 0	8 0	8 0	15 0	14 0	14 0	.	..	.
8	Nuddea	3 14½	14 11	15 10	22 11	20 10	17 12	12 5	12 5	11 6	13 14½	13 10	13 0	.		...
9	Khoolna				–			15 0	11 0	10 8	16 0	16 0	12 8		.	..
10	Jessore	12 0	13 0	13 4				12 8	13 0	11 0	16 0	16 0	12 0	.	...	..
11	Moorshedabad	13 4	15 0	16 0				11 8	11 6	10 0	15 0	14 0	15 0	.	..	...
12	Dinagepore	15 9	15 9	15 0	16 8	16 8	18 0	13 0	13 0	12 0	16 10	16 10	15 8	.		...
13	Rajshahye	16 8	16 8	15 0	26 1	24 0	22 8	12 0	12 0	12 0	15 0	11 4	13 8		.	...
14	Rungpore*		10 10	13 5					9 6	9 6		10 5	13 5	..	...	...
15	Bogra	15 0	13 8	15 0		.		12 0	12 0	12 0	15 0	15 0	15 0	...	...	...
16	Pubna	16 0	17 4	18 12				7 8	7 0	7 0	18 0	15 12	15 6			...
17	Darjeeling	8 0	8 0	8 0	10 0	10 0	10 0	5 0	5 0	5 0	12 0	12 0	11 0	.	...	...
18	Julpigoree	11 0	13 0	14 0	15 0	14 0	16 0	7 0	7 0	8 0	13 0	13 0	14 0	..	.	...
	Eastern Districts															
19	Dacca	12 0	13 0	12 0	25 0	22 0	18 0	13 0	13 0	12 0	15 0	15 0	14 0	...	...	...
20	Furreedpore	16 0	20 0	15 0	16 0	16 0	20 0	14 0	13 0	10 0	16 0	16 0	14 0	...	..	...
21	Backergunge					.		12 5	13 5	11 10	15 3	15 9	13 4	...	...	...
22	Mymensingh	9 4	10 0	11 8	...			12 0	13 0	11 0	18 0	13 4	13 8	.	..	...

* Present return not received.

A In the subdivisions the retail prices of salt per rupee are.—Culna 10 seers, Cutwa 11 seers 15 chittacks, and Raneegunge 10½ seers.
B Retail price of salt at Bishenpore 10 seers per rupee
C Retail price of salt at Rampore Hat 11¼ seers per rupee
D In the subdivisions the retail prices of salt per rupee are.—Serampore 11 seers and Jehanabad 10 seers 10 chittacks
E Retail price of salt at Ulubaria 10 seers per rupee
F In the subdivisions the retail prices of salt per rupee are —Baraset 10 seers 10 chittacks, Bussirhat (Baduria) 11¼ seers, Diamond Harbour (Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers
G In the subdivisions the retail prices of salt per rupee are.—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers
H In the subdivisions the retail prices of salt per rupee are:—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.

Head-quarters Station Bazars of the Districts of Bengal on the 31st August, 1891.

INDIAN-CORN OR MAIZE (*Zea Mays.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
															BENGAL.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Western Districts.*
...	...	...	12 0	18 0	21 0	100 0	100 0	100 0	A 11 4	11 4	t. 10 14½	3 7 0	3 7 0	3 8 6	Burdwan.
22 0	22 0	26 0	19 8	20 0	18 0	200 0	200 0	240 0	B 10 0	10 0	10 4	3 4 0	3 14 0	3 15 0	Bankoora.
...	...	...	13 0	12 0	13 8	160 0	160 0	160 0	C 10 8	10 10	10 8	3 12 0	3 11 6	3 10 0	Beerbhoom.
...	...	...		12 0	12 0		120 0	120 0		10 8	10 8		3 11 0	3 13 0	Midnapore.
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	D 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.
...	...	...	10 8	12 8	13 0	100 0	100 0	100 0	E 10 8	10 8	10 8	3 8 0	3 8 0	3 9 0	Howrah.
															Central Districts.
14 8	...	18 2	15 8	16 0	16 10	95 0	95 0	92 8	11 0	11 0	10 7	3 5 7	3 6 0	3 9 0	Calcutta.
..	...	...	17 0	17 0	17 0	100 0	100 0	100 0	F 10 12	10 12	10 8	3 6 0	3 5 6	3 5 6	24-Pergunnahs.
...	...	...	17 12½	17 12½	18 13	...	...	...	G 9 13	9 13	9 13	3 10 0	3 10 0	3 12 0	Nuddea.
...	.	...	...	...	...	160 0	160 0	140 0	H 9 0	9 0	8 0	4 0 0	4 0 0	4 4 0	Khoolna.
...	...	...	16 0	16 0	16 0	160 0	160 0	160 0	I 9 4	9 4	9 1	3 14 0	3 14 0	4 0 0	Jessore.
...	...	...	16 0	16 0	17 12	200 0	200 0	200 0	J 11 8	10 8	11 4	3 7 0	3 13 0	3 8 0	Moorshedabad.
...	...	.	15 8	15 8	16 0	160 0	160 0	160 0	K 10 4	10 4	10 0	3 14 0	3 14 0	4 0 0	Dinagepore.
...	...	...	19 8	18 12	18 12	240 0	240 0	240 0	L 9 9	9 9	9 9	3 13 4	3 13 4	4 0 0	Rajshahye.
...	...	...		10 10	10 10		100 0	100 0		9 6	9 6		4 4 0	4 4 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	9 12	9 0	9 0	3 13 4	4 0 0	4 2 8	Bogra.
...	...	...	17 0	16 8	16 8	200 0	200 0	200 0	M 8 15	8 15	t. 8 11½	3 13 0	3 14 0	3 15 0	Pubna.
20 0	20 0	18 0	...	...	...	120 0	120 0	120 0	N 8 0	8 0	6 8	5 0 0	5 0 0	5 12 0	Darjeeling.
...	...	...	10 0	9 0	11 0	200 0	200 0	200 0	O 10 0	10 0	9 0	4 0 0	4 0 0	4 4 0	Julpigoree.
															Eastern Districts.
...	...	...	16 0	16 0	11 1¼	140 0	120 0	90 0	P 10 0	10 0	9 8	3 13 0	3 13 0	4 2 0	Dacca.
16 0	22 0	16 0	15 0	16 0	10 0	...	...	120 0	Q 10 0	10 0	10 0	3 14 0	3 14 0	3 14 0	Furreedpore.
...	...	...	Khesari, husked. 14 8	13 5	12 14	120 0	120 0	100 0	R 10 0	10 10	10 10	3 12 0	3 12 0	3 12 0	Backergunge.
...	...	...	10 0	10 0	13 0	...	...	..	S 10 0	9 12	9 8	3 15 0	4 0 0	4 0 0	Mymensingh.

I In the subdivisions the retail prices of salt per rupee are:—Jhenida 10 seers, Magura 10 seers, and Bongong 10½ seers.
J In the subdivisions the retail prices of salt per rupee are:—Kandi 10½ seers, Lalbagh 10 seers, and Jungipore 10 seers.
K Retail price of salt at Thakurgaon 8 seers per rupee.
L In the subdivisions the retail prices of salt per rupee are:—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
M The retail price of salt at Serajgunge 10½ seers per rupee.
N Retail price of salt at Kurseong and Silliguri 8 seers per rupee.
O The retail price of salt at Fallacotta in the Alipore subdivision is 8½ seers per rupee.
P In the subdivisions the retail prices of salt per rupee are:—Manickgunge 9 seers, Munshigunge 9 seers, and Naraingunge 10 seers.
Q Retail price of salt at Goalundo and Madaripore 10 seers per rupee.
R In the subdivisions the retail prices of salt per rupee are:—Bhola 8 seers, Patuakhali 9 seers, and Perozepore 9 seers.
S In the subdivisions the retail prices of salt per rupee are:—Kishoregunge 8 seers, Tangail 10 seers, Jamalpore 9½ seers Sherpore 8 seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head quarters

QUANTITIES PER RUPEE IN

Number.	DISTRICTS	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum. (*Sorghum Vulgare.*) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	Eastern Districts—concluded.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	12 0	12 0	11 0	...	...	...	12 0	12 0	11 0	16 12	16 12	14 12	..	...	...
24	Noakholly ...	..	...	...	.	...	...	15 0	15 0	11 0	16 0	16 0	12 0	...	...	...
25	Tipperah ...	10 0	10 0	11 7				10 0	10 0	8 6¾	17 8	16 0	12 5		.	...
26	Chittagong Hill Tracts.	.	...	..	..	.	...	11 5	10 0	11 6¾	12 9	13 5	12 5	...	.	...
	BEHAR.															
27	Patna ...	17 0 15 0	Red 18 0 White 15 8	16 12 15 12	23 0	23 0	19 8	11 8	11 8	10 0	17 8	17 0	15 5	...	...	19 8
28	Gya ...	11 0	11 8	15 8	24 0	23 0	20 0	10 8	10 8	11 0	14 12	14 12	15 0	...	...	...
29	Shahabad ...	13 8	14 8	16 0	20 0	20 0	20 0	9 0	9 0	8 0	14 0	14 0	15 0	..	...	...
30	Durbhunga ...	15 6	16 8	15 6	24 3	24 3	17 9	12 1	12 12	11 0	14 4	13 12	15 4	...	...	..
31	Mozufferpore ...	14 0	16 0	17 0	21 0	19 0	20 0	13 0	11 0	9 0	14 0	13 0	15 0	...	...	...
32	Sarun ...	14 0	15 8	15 12	22 8	20 8	18 0	8 8	8 8	8 4	13 8	13 11	12 14	...	...	...
33	Chumparun* ..		15 8	17 0		21 8	22 0		10 0	9 0		14 0	17 0	.	...	...
34	Monghyr ...	15 0	17 0	17 13	23 0	23 0	21 0	11 0	10 8	11 8	14 8	14 8	14 11	...	...	..
35	Bhagulpore ...	15 2	16 6	17 11	24 0	24 0	21 7	12 10	12 0	Old 10 1 New. 12 10	14 8	14 8	Old. 13 7 New. 15 2	..	..	...
36	Purneah ...	18 0	18 0	18 0	16 0	16 0		13 0	14 0	15 0	16 0	18 0	18 0	...	...	...
37	Maldah ...	15 0	16 8	18 0	...	..	..	10 0	10 8	12 0	15 8	15 0	14 0	...	...	...
38	Sonthal Perghs.	11 0	11 [illegible]	13 0	...	..	.	13 0	13 0	13 0	15 0	15 0	16 0	...	...	...
	ORISSA.															
39	Cuttack ...	11 13	13 2	15 12	...	...	...	10 8	10 8	10 8	15 12	17 1	18 6	...	...	...
40	Pooree ...	11 13	11 13	11 8	...	...	...	14 7	13 12	13 6	17 1	17 1	21 0	...	...	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	12 0	21 0	18 0	17 0	...	...	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh ...	13 0	13 0	14 0	17 0	17 0	18 0	8 0	8 0	9 0	14 0	13 8	16 0	...	...	...
43	Lohardugga ...	12 0 7 8	Red. 12 4 White. 7 8	15 0 9 0	16 0	19 0	...	12 0	12 0	14 8	Ordinary. 13 0 Coarse. 14 8	Ordinary. 13 4 Coarse. 15 8	Ordinary. 16 12 Coarse. 19 0	...	...	...
44	Singbhoom ...	16 0	16 0	12 0	14 0	14 0	20 0	10 0	10 0	16 0	13 0	13 0	20 0	..	..	...
45	Manbhoom ..	12 4	13 5	14 8	18 0	...	...	12 0	12 0	13 0	15 8	15 0	19 0	...	...	...

* Present return not received.

T At Cox's Bazar the retail price of salt is 8 seers per rupee.
U Retail price of salt at Fenni 9 seers per rupee.
V In the subdivisions the retail prices of salt per rupee are :—Brahmunberiah 10 seers, and Chandpore 9 seers.
W In the subdivisions the retail prices of salt per rupee are :—Barh 10½ seers, Behar 9¾ seers.
X In the subdivisions the retail prices of salt per rupee are :—Buxar 10 seers, Sasseram 10½ seers, and Bhabuah 9¾ seers.
Y Retail price of salt at Somastipur 11¼ seers per rupee.
Z In the sub divisions the retail prices of salt per rupee are :—Hajipore 10½ seers and Sitamarhi 10 seers.
a In the sub divisions the retail prices of salt per rupee are :—Sewan 11 seers and Gopalgunge 10 seers 3 chittacks.

CALCUTTA,
The 9th September, 1891.

Station Bazars of the Districts of Bengal on the 31st August, 1891—(concluded).

Indian-corn or Maize. (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts*—concluded.
...	...	...	...	...	...	110 0	110 0	110 0	T 11 0	11 0	10 0	3 8 0	3 8 0	3 14 0	Chittagong.
...	..	.	8 0	8 0	8 0	...	...	...	U 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakhelly.
.	...	...	6 4	6 4	6 10¼	...	...	...	V 10 0	10 0	9 6½	...	4 0 0	4 3 0	Tipperah.
.	...	..	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
															BEHAR.
23 0	27 0	20 0	20 0	20 0	20 0	120 0	120 0	140 0	W 11 8	0 12	10 0	3 8 6	3 9 0	3 10 0	Patna.
...	...	...	17 0	16 8	19 0	160 0	160 0	200 0	9 12	9 12	9 0	4 0 0	4 0 0	4 0 0	Gya.
20 0	...	...	16 0	15 0	20 0	120 0	120 0	120 0	X 11 0	10 8	10 0	3 10 0	3 13 0	3 15 0	Shahabad.
22 0	19 12	20 0	17 9	17 0	20 0	160 0	160 0	160 0	Y 11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.
19 0	15 0	20 0	16 0	16 0	19 0	160 0	160 0	160 0	Z 11 0	11 0	10 0	3 10 6	3 10 0	4 0 0	Mozufferpore.
20 8	...	...	17 4	18 8	19 4	160 0	160 0	120 0	a 10 8	10 4	10 4	3 12 0	3 14 0	3 14 0	Sarun.
	18 8	...		16 8	21 0		160 0	160 0		10 4	10 0		3 15 0	3 11 0	Chumparun.
...	...	22 0	18 0	18 0	17 13	120 0	120 0	168 0	b 10 8	10 8	10 3	3 10 6	3 9 0	3 11 0	Monghyr.
25 4	24 0	26 14	17 0	17 10	20 3	138 11	138 14	125 3	10 11	10 11	10 1	3 10 0	3 12 0	3 12 10	Bhagulpore.
...	...	...	15 0	14 0	15 0	80 0	80 0	130 0	d 9 0	10 0	9 8	3 10 3	3 10 3	4 7 0	Purnean.
...	...	...	...	.	..	160 0	120 0	160 0	9 8	9 8	9 8	4 0 0	4 1 0	4 2 0	Maldah.
18 0	18 0	20 0	17 0	17 0	21 0	200 0	200 0	200 0	e 9 0	9 0	9 8	4 0 0	4 0 0	3 14 0	Southal Perghs.
															ORISSA.
...	...	...	17 1	19 11	21 0	80 0	80 0	80 0	f 11 0	11 0	10 0	3 12 0	3 12 0	4 0 0	Cuttack.
...	...	...	15 12	18 6	13 2	80 0	80 0	80 0	g 11 13	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.
...	...	...	...	...	...	160 0	160 0	160 0	h 10 0	10 0	10 0	3 14 0	3 14 0	3 14 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
18 0	16 8	21 0	15 0	15 0	21 0	240 0	240 0	240 0	i 9 0	8 8	8 8	4 0 0	4 0 0	4 4 0	Hazaribagh.
...	...	28 0	Big. 12 8; Small. 18 0	Big. 13 0; Small. 18 0	Big. ...; Small. 28 0	150 0	150 0	120 0	9 0	9 0	9 0	4 6 0	4 6 0	4 3 0	Lohardugga.
16 0	16 0	20 0	16 0	16 0	21 0	240 0	160 0	240 0	8 0	8 0	8 0	4 8 0	4 8 0	4 12 0	Singbhoom.
...	...	...	18 0	16 0	17 0	200 0	200 0	200 0	j 10 0	10 0	9 14	3 12 0	3 12 0	3 12 0	Manbhoom.

b In the subdivisions the retail prices of salt per rupee are: Bogusorai 9½ seers and Jamui 9 seers.
d In the subdivisions the retail prices of salt per rupee are: - Kissongunge 8 seers and Arrareah (Basantpur) 10 seers.
e In the subdivisions the retail prices of salt per rupee are:—Deoghur 10 seers, Jamtara 9 seers, Godda 9 seers, Pakour 10½ seers and Rajmehal 11 seers.
f In the subdivisions the retail prices of salt per rupee are:—Jajpore 8 seers, Banki 12 seers.
g Retail price of salt at Khoorda 10 seers per rupee.
h Retail price of salt at Bhuddruck 9 seers per rupee.
i Retail price of salt at Giridhi (Whity bazar) 10 seers 10 chittacks per rupee.
j Retail price of sal at Govindpore 9 seers per rupee.

Published for general information.

C. E BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 3 5	2 14 6	2 10 9	1 13 6	1 14 0	2 1 2	4 3 11	4 1 10	4 3 6	2 13 4	2 12 7	2 12 7
2	Serajgunge ...	2 3 0	2 5 0	2 3 0	...	...	...	4 0 0	4 0 0	4 12 0	2 12 0	2 13 0	2 12 0
3	Dacca ...	3 4 0	3 0 0	3 4 0	1 8 0	1 12 0	3 0 0	3 0 0	3 0 0	3 4 0	2 8 0	2 8 0	2 13 0
4	Naraingunge	...	...	...	...	...	...	2 8 0	2 10 0	3 0 0	2 6 0	2 8 0	2 12 0
5	Chittagong ...	3 0 0	3 0 0	3 8 0	...	...	...	3 4 0	3 4 0	3 8 0	2 6 3	2 6 3	2 12 0
6	Patna ...	{ 2 5 6 2 10 6 }	Red. 2 3 0 White. 2 9 0	2 5 6 2 8 0	} 1 11 6	1 11 6	2 0 0	3 8 0	3 8 0	3 15 0	2 4 6	2 5 0	2 9 6
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	1 14 0	2 3 0	2 5 0
8	Pooree ...	...	...	...	...	...	.	...	...	...	2 4 0	2 4 0	1 14 3
9	Cuttack ...	3 4 0	3 0 0	2 0	...	...	...	3 10 0	3 10 0	3 10 0	2 5 0	2 2 0	2 2 0

CALCUTTA,
The 8th September, 1891.

in the undermentioned Marts of Bengal on the 31*st August*, 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P	R. A. P	R. A.	R. A. P	R. A. P.	R. A. P	R. A. P.	R. A. P	R A. P	R. A. P	R. A. P.	R. A. P	R. A. P	
2 2 10	2 0 9	1 14 5	2 8 0	...	1 15 5	2 5 1	2 3 6	2 2 8	0 9	0 5 9	0 5 9	3 5 7	3 6 0	3 9 0	Calcutta.
2 2 0	2 0	2 4 0	...	...	...	...	...	...	0 0 9	0 8 0	0 6 0	3 13 0	4 0 0	3 11 0	Serajgunge.
2 7 0	2 7 0	3 4 0	...	...	...	2 5 0	2 6 0	3 8 0	0 4 0	0 5 0	0 6 0	3 13 0	3 13 0	4 2 0	Dacca.
3 12 0	3 12 0	3 8 0	...	...	...	3 12 0	4 8 0	3 8 0	0 8 0	0 8 0	0 8 0	3 13 0	3 13 0	3 12 0	Naraingunge.
2 14 0	2 14 0	3 0 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 14 0	Chittagong.
1 12 6	1 13 0	2 0 0	1 11 6	1 6 6	1 14 0	2 0 0	2 0 0	1 14 6	0 5 4	0 5 4	0 6 0	3 8 6	3 9 0	3 10 0	Patna.
2 12 0	2 12 0	2 12 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 12 0	Pooree.
(kalai). 2 10 0	2 5 0	2 10 0	...	...	...	2 2 0	2 0 0	1 11 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	4 0 0	Cuttack.

Published for general information.

C. E. BUCKLAND,

Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts	Stock in hand as compiled of—												
	1st week of Sept. 1890.	1st week of Oct. 1890	1st week of Nov. 1890.	1st week of Dec. 1890.	1st week of Jan. 1891.	1st week of Feb. 1891.	1st week of March 1891.	1st week of April 1891.	1st week of May 1891.	1st week of June 1891.	1st week of July 1891.	1st week of August 1891.	1st week of Sept. 1891.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	5,41,000	4,10,000	3,58,500	3,14,000	2,80,500	4,08,000	7,21,000	10,86,500	13,19,000	9,74,000	7,13,000	4,52,000	4,58,500
Ooltadanga	73,300	65,500	70,400	64,200	54,000	57,200	65,200	53,900	63,100	59,600	61,100	65,800	72,100
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghât.	6,07,500	6,40,100	6,29,700	5,70,250	5,29,650	5,40,400	6,00,800	5,07,200	5,17,400	4,82,400	4,63,400	4,87,200	5,06,700
Pathuriaghatta, Posta, and Jorabagan.	4,000	5,000	4,700	5,000	3,000	4,000	5,000	4,200	3,000	2,000	3,700	3,000	2,500
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	94,200	1,09,200	1,15,700	96,650	1,04,600	1,25,200	1,34,400	1,16,300	1,25,200	1,14,800	1,06,900	98,900	97,450
31 Minor bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Shuddressur, and Chandernagore.	45,481	47,075	33,012	35,750	34,373	33,000	24,438	43,402	41,125	30,750	32,750	32,250	38,051
Total ...	18,55,481	17,67,175	17,02,012	15,75,850	14,96,125	16,57,800	20,40,638	23,63,562	25,58,825	21,53,550	18,81,850	16,29,150	16,58,301
On Railway premises on both sides of the river.	13,884 (on 3rd Sept. 1890.)	11,155 (on 3rd October 1890.)	16,544 (on 3rd Nov. 1890.)	23,570 (on 3rd Dec. 1890.)	24,703 (on 3rd Jan. 1891.)	36,850 (on 3rd Feb. 1891.)	36,618 (on 3rd March 1891.)	28,642 (on 3rd April 1891.)	8,221 (on 3rd May 1891.)	5,928 (on 3rd June 1891.)	17,767 (on 3rd July 1891.)	10,179 (on 3rd August 1891.)	17,473 (on 3rd Sept. 1891.)
On boats unloaded ... By Port Commissioners' returns.	27,167 (1st to 3rd Sept. 1890.)	32,365 (1st to 3rd October 1890.)	25,445 (1st to 3rd Nov. 1890.)	34,873 (1st to 3rd Dec. 1890.)	58,?96 (1st to 3rd Jan. 1891.)	82,695 (1st to 3rd Feb. 1891.)	65,914 (1st to 3rd March 1891.)	44,862 (1st to 3rd April 1891.)	35,578 (1st to 4th May 1891.)	17,251 (1st to 3rd June 1891.)	28,097 (1st to 3rd July 1891.)	17,174 (1st to 3rd August 1891.)	87,776 (1st to 3rd Sept. 1891.)
On boats unloaded ... By Canal returns	32,466 (1st to 3rd Sept. 1890.)	23,494 (1st to 3rd October 1890.)	30,008 (1st to 3rd Nov. 1890.)	25,941 (1st to 3rd Dec. 1890.)	77,228 (1st to 3rd Jan. 1891.)	1,71,337 (1st to 3rd Feb. 1891.)	1,08,494 (1st to 3rd March 1891.)	1,51,412 (1st to 3rd April 1891.)	13,099 (1st to 4th May 1891.)	25,741 (1st to 3rd June 1891.)	41,597 (1st to 3rd July 1891.)	24,697 (1st to 3rd August 1891.)	79,813 (1st to 3rd Sept. 1891.)
Grand total of Stocks ...	19,28,998	18,34,189	17,74,009	16,60,245	16,56,152	19,48,592	22,51,864	25,88,478	26,15,723	22,02,470	19,69,311	16,81,200	18,13,363
Probable stock available for exportation by sea.	8¼ lakhs	7¾ lakhs	7¼ lakhs	6 lakhs	6 lakhs	9 lakhs	12 lakhs	15¼ lakhs	15¾ lakhs	11¼ lakhs	9¼ lakhs	6¼ lakhs	7¼ lakhs

STATISTICAL DEPARTMENT,
The 7th September, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of August 1891.

	Inches.	Date.	Hour.
The mean pressure of the month	29·579		
The average pressure of August from 24 years' registers ...	29·598		
The highest pressure in the month	29·763	29th	10
The lowest pressure in the month	29·325	2nd	16
The range of pressure	0·438		
	Hours.		
The total number of hours of bright sunshine during the month	119·9		
The maximum possible number of hours of sunshine ...	398·4		
	°		
The mean temperature of the month	82·6		
The average temperature of August from 24 years' registers ...	83·1		
The highest temperature in the month	92·1	1st.	
The lowest temperature in the month	74·5	12th	
The range of temperature during the month	17·6		
The mean daily range of temperature	8·5		
The greatest range of temperature in one day	12·9	1st.	
	Per cent.		
The mean humidity of the month	88		
The average humidity of August from 24 years' registers ...	86		
	Inches.		
The mean vapour tension of the month	0·979		
The average vapour tension of August from 9 years' registers ...	1·002		
The mean cloud proportion of the month	8·04		
The average cloud proportion of August from 14 years' registers	8·09		
The total rainfall of the month	13·28		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	12·83		
The average fall of August from 48 years' registers ...	13·94		
The greatest fall in 24 hours	2·81	12th.	
	Days.		
The number of rainy days in the month	30		
The average number of rainy days in August from 24 years' registers	25		
	°		
The mean maximum equilibrium temperature of solar radiation during the month	143·4		
The mean difference of sun and air temperatures	56·5		
The greatest sun temperature	154·6	29th.	
The greatest excess of sun over air temperature	66·3	23rd.	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	76·5		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	1·9		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	2·9	22nd & 28th.	
	Miles.		
The mean movement of the wind per day	121·1		
The greatest movement of the wind in one day	287·0	3rd.	
The greatest movement of the wind in one hour	19·0	2nd,	3 to 4 P.M.

The number of hours with winds from each of the 8 points—

N. 14. N.E. 17, E. 169, S.E. 205, S. 148, S.W. 106, W. 52, N.W. 16, Calm 17.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 8 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·6° higher; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 7th September 1891.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·629	29·578	—	Calm	130	89·7	30&31 Aug.	78·6	30&1 Sept.	87·6	79·1	83·4	—	81·7
		Gopalpore	29·636	29·597	—·044	NNW	267	88·7	31st „	79·8	31st Aug.	86·9	81·0	84·0	+0·6	83·1
		False Point	29·642	29·605	—·067	W	175	89·0	31, 2 Sept.	75·1	5th Sept.	87·1	78·1	82·6	—0·4	82·6
	Cuttack	Cuttack	29·580	29·602	—·057	SWly		92·4	1 & 2 „	77·3	4&5 „	89·4	78·8	84·1	—0·1	84·1
	Balasore	Balasore	29·596	29·596	—·064	NNW	73	89·4	31&2 „	77·7	5th „	86·9	79·0	83·0	+0·8	81·5
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·626	29·595	—·072	E	219	90·7	31st Aug.	77·0	5th „	87·6	78·8	83·2	—0·2	81·5
	Midnapore	Midnapore	29·518	29·612	—·062	NE	199	92·3	30, 31 „	78·1	31, 4&5 „	90·2	78·6	84·4	+1·5	81·9
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·646	29·613	—·054	E	103	90·6	30th „	77·2	5th „	87·5	78·6	83·1	+0·6	81·7
	Burdwan	Burdwan	29·585	29·631	—·036	E	78	92·1	30th „	78·4	5th „	90·2	79·9	85·1	+1·1	82·4
	Bankoora	Bankoora	29·350	29·598	—·048	E	80	93·1	31st „	77·5	5th „	90·0	78·7	84·4	+1·3	81·8
	Beerbhoom, West Burdwan	Raneegunge	29·317	29·640	—·026	ESE	58	92·5	31, 2 Sept.	77·8	3 to 5 „	90·9	78·4	84·7	+1·9	81·5
	Moorshedabad	Berhampore	29·613	29·628	—·044	E	84	92·2	30th Aug.	77·3	31 & 4 „	90·4	78·4	84·5	+1·1	81·2
	Nuddea	Krishnaghur	29·628	29·623	—·033	ESE	133	92·3	30th „	78·2	4, 5 „	90·7	78·8	84·7	+1·5	82·9
	Jessore, Khoolna	Jessore	29·647	29·627	—·052	SE	97	90·7	30, 31 „	77·9	31st Aug.	88·9	79·3	84·1	+0·5	83·5
East Bengal.	Chittagong	Chittagong	29·655	29·689	—·042	SEly	96	89·2	30th „	76·1	2, 5 Sept.	87·2	76·7	82·0	+1·3	82·3
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·681	29·633	—·047	S E & Calm	84	80·8	31st Aug.	76·4	1st „	87·7	78·5	83·1	+1·8	81·8
	Noakhally	Noakholly	29·678	29·668	—·038	E	170	87·5	30&31 „	76·8	31st Aug.	86·4	77·9	82·1	+1·0	81·8
	Furreedpore	Furreedpore	29·673	29·6[illegible]0	—·031	SE	80	89·5	30th „	76·9	1st Sept.	87·9	79·2	83·6	+1·1	82·2
	Dacca	Dacca	29·680	29·656	—·030	E & ESE	155	90·1	5th Sept.	78·2	1&5 „	89·2	79·6	84·4	+1·3	81·7
	Commillah	Commillah	29·695	29·678	—·030	SW	100	89·4	31, 2&3 „	74·8	30th Aug.	88·3	76·3	82·3	+0·3	81·8
	Mymensingh	Mymensingh	29·669	29·677	—·028	ESE	124	92·7	30th Aug.	74·6	30th „	88·3	77·5	83·0	+0·4	80·4
North Bengal.	Bogra	Bogra*	29·635	29·648	—·002	SE	83	92·3	30th „	75·2	30, 31 „	89·9	77·7	83·8	+1·1	80·0
	Pubna	Serajgunge	29·662	29·658	—·031	SEly	57	92·1	30th „	75·2	31st „	89·4	77·7	83·6	+1·0	80·8
	Rajshahye	Rampore Beauleah.	29·619	29·638	—·023	ESE	90	91·8	30th „	77·6	2nd Sept.	89·0	79·2	84·1	+1·6	82·5
	Maldah	Maldah	29·611	29·642	—	SE	83	94·9	30th „	78·5	4th „	91·5	79·7	85·7	—	84·6
	Dinagepore	Dinagepore	29·581	29·653	—·036	E	34	95·8	30th „	77·7	4th „	90·5	79·2	84·9	+1·7	83·2
	Rungpore	Rungpore	29·602	29·678	—·004	ESE	42	94·6	30th „	76·7	4th „	90·2	78·4	84·3	+1·5	82·5
	Julpigoree, Cooch Behar	Julpigoree	29·433	29·600	—·003	?	73	93·9	30th „	76·1	1st „	90·1	77·2	83·6	+0·8	82·6
	Darjeeling Hill Tracts	Darjeeling	22·961	—	+·001	Calm	64	68·6	4th Sept.	56·7	1st „	66·2	57·4	61·8	+0·9	61·4
North Behar.	Purneah, North Bhagulpore	Purneah	29·574	29·651	—·018	ESE	35	94·2	30th Aug.	76·2	1st „	91·7	78·1	84·9	+2·0	83·7
	Mozufferpore	Mozufferpore	29·495	29·626	—	ESE	146	93·3	30th „	75·2	31st Aug.	90·4	79·7	85·1	—	82·2
	Durbhunga	Durbhunga	29·530	29·657	—·007	SEly	99	93·4	30&31 „	75·0	31st „	90·1	78·9	84·5	+1·3	82·7
	Chumparun	Motihari	29·461	29·641	—·000	ENE	153	96·2	31st „	74·9	31st „	91·9	78·3	85·0	+1·9	82·7
	Sarun	Chupra	29·495	29·627	—·009	E	119	94·3	30th „	77·0	5th Sept.	91·4	79·1	85·2	+1·6	84·0
South Behar.	Shahabad	Dehree	29·310	29·611	—·044	SEly	112	93·3	31st „	79·0	4&5 „	90·6	79·9	85·3	+2·2	83·7
		Buxar	29·430	29·622	—·031	E	134	93·9	30th „	77·2	4th „	90·3	79·4	84·9	+1·5	83·8
		Arrah	29·482	29·622	—·015	ENE	21	94·9	30th „	78·6	5th „	90·8	79·9	85·4	+1·5	84·5
	Gya	Gya	29·283	29·611	—·040	E	125	95·0	31st „	77·8	3 & 4 „	92·8	79·5	86·2	+2·2	83·5
	Patna	Bankipore	29·490	29·624	—·033	E	152	94·4	31st „	79·2	1st „	91·7	80·8	86·3	+2·2	84·2
	South Bhagulpore, Monghyr	Bhagulpore	29·519	29·631	—·022	SE	44	93·7	30th „	77·5	4th „	90·8	79·6	85·1	+1·9	84·0
	Sonthal Pergunnahs	Doomka	29·191	29·634	—·018	ESE	129	91·1	30th „	76·7	4th „	89·4	77·8	83·7	+1·5	82·5
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·681	29·621	—·035	SSE	173	88·7	31st „	72·3	5th „	86·0	73·4	79·7	+1·6	76·8
	Lohardugga, Manbhoom	Ranchee	27·552	29·608	—·036	Calm	89	87·0	31st „	70·9	3rd „	83·6	72·6	78·1	+0·6	75·8
	Singbhoom	Chyebassa	28·895	29·597	—·037	Calm	25	90·4	30&31 „	76·2	3 & 5 „	88·8	77·1	83·0	+0·4	80·3
Assam.	Sibsagar	Sibsagar	29·415	29·703	—·031	SW		96·0	30th „	77·0	4 & 5 „	90·5	78·0	84·3	+1·3	80·4
	Goalpara	Dhubri	29·604	29·673	—·024	Variable	85	90·7	30th „	77·8	1st „	87·9	79·1	83·5	+1·9	81·5
	Cachar	Silchar	29·612	29·607	—·035	Calm		94·5	30th „	75·8	5th „	90·6	77·5	84·1	+1·7	80·2

* Mean of 5 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers
are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the
past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 5th of September 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District observations. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
89	8·0	4·08	•	2·51		2·51			36·55			3·14	Pooree ...	Pooree	Orissa.
86	5·9	1·03											Gopalpore ...		
90	9·4	3·07	•										False Point ...		
83	8·0	1·23		2·45		2·45			37·47			2·85	Cuttack ...	Cuttack	
91	5·7	2·89		2·52		2·52			37·82			3·00	Balasore ...	Balasore	
93	8·9	8·07	6·00	3·56	5·85	3·56	+2·29	49·27	45 29	+3 98	5·33	3·33	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
88	8·4	2·45	1·97	2·31	1·41	2 31	−0·90	44·43	40·34	+4·09	5·00	3·35	Midnapore ...	Midnapore	
90	8·7	2·18	2·20	2·93	1·78	2·93	−1·15	33·81	40 50	−6·78	3·40	3·57	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
84	8·3	0·24	0·78	2·00	0·57	2 09	−1·52	39·13	36 01	+3·12	2·00	3 03	Burdwan ...	Burdwan	
88	7·0	1·74	1·27	2·51	1·12	2·51	−1·39	41·72	42·19	−0·47	2·75	3·32	Bankoora ...	Bankoora	
87	3·4	1·18	1·38	3·07	1·37	3 07	−1·70	38·02	41 25	−3·23	3 00	3·63	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
91	8·4	1·83	1·46	3·05	1·30	3·05	−1·69	32·11	38·02	−5·91	3·50	3·62	Berhampore ...	Moorshedabad ...	
86	7·1	0·95	1·28	2·43	0·89	2·43	−1·54	33·64	37·64	−4·00	3·28	3·02	Krishnagur ...	Nuddea	
88	8·1	2·64	1·11	2·06	0·87	2·06	−1·70	34·84	41·02	−6·18	2·63	3 35	Jessore ...	Jessore ... ... Khoolna	
83	7·3	0·60	1·36	5·48	0·76	5 48	−4·72	70·01	93 49	−17·48	3·00	4·20	Chittagong ...	Chittagong	East Bengal.
			1·63	3·40	1·56	3·40	−1·84	58·90	64·06	−5·16	4·00	4·45	Demagiri ...	Chittagong Hill Tracts	
89	7·7	1·67	1·50	3 50	1·46	3·50	−2·04	46·79	59·75	−12·96	4·00	4 11	Barrisal ...	Backergunge	
88	2·1	1·21	1·27	5 39	0·79	5·39	−4·60	57·05	85 24	−27·20	3·50	4·28	Noakhally ...	Noakhally	
88	6·9	0·86	1·15	3·02	1·09	3·02	−1·93	32·34	43·29	−10·95	2·07	3·10	Furreedpore ...	Furreedpore	
90	8·1	1·70	1·89	3·84	1·35	3·84	−2 49	44·14	47·90	−3·76	3·50	3 53	Dacca ...	Dacca	
86	3·3	0·73	1·64	3·78	0·73	3·78	−3·05	47·03	53·96	−6·93	3·75	4·00	Commillah ...	Commillah	
91	7·4	1·17	2·41	3·57	0·76	3 57	−2·81	56·02	52·90	+3·03	4·00	3·76	Mymensingh ...	Mymensingh	
90	8·3	1·65	1·06	2·85	0·71	2·85	−2·15	32·31	44·14	−11·83	3·50	3·25	Bogra ...	Bogra	North Bengal.
92	7·7	2 02	1·27	3·11	0·44	3·11	−2·67	30·33	40·19	−9·86	3·00	3 43	Serajgunge ...	Pubna	
80	5·9	0·29	0·53	3·48	0·48	3 48	−3·00	36·38	40·88	−4·50	2·33	3 29	Rampore Beauleah	Rajshahye	
84	3·0	0·58	0·70	3 38	0·69	3 38	−2·69	26·84	41·80	−14·96	2·00	3 34	Maldah ...	Maldah	
87	5·9	0·56	0·73	3 47	0·73	3·47	−2·74	36·88	44·89	−8·01	2·20	3·48	Dinagepore ...	Dinagepore	
89	2·3	2·12	0·96	3·93	0·91	3·93	−3·02	47·17	57·84	−10·67	1·50	3·17	Rungpore ...	Rungpore	
90	1·4	0 13	0·71	6·08	0·71	6 08	−5·37	60·10	88·89	−28·79	1·20	3 94	Julpigoree ...	Julpigoree ... ... Cooch Behar	
95	7·4	0·85	3·18	5·74	3·12	5 74	−2·62	68·08	102·67	−31·59	4·50	4 72	Darjeeling ...	Darjeeling Hill Tracts	
86	4·1	0·54	0·67	3·12	0·25	3 42	−3·17	30·39	45·19	−14·80	2·20	3·24	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
89	4·0	1·31	1·28	2·36	0·60	2·36	−1·76	32·67	33·01	−0·34	2·33	2·69	Mozufferpore ...	Mozufferpore	
86	5·3	2·67	1·90	2·00	0·64	2·00	−2·32	34·05	34 80	+0·15	2·00	2 83	Durbhunga ...	Durbhunga	
85	5·6	1·55	1·21	2·17	0·53	2·17	−1·64	32·80	35·65	−2·85	2·50	2 41	Motihari	Chumparun	
85	5·9	0·47	0·45	1·72	0·45	1·72	−1·27	25·70	31·85	−6·15	1·00	2 27	Chupra ...	Sarun	
86	6·9	0·95											Dehree ...		South Behar.
87	7·0	1·85	1·34	2·05	1·15	2·05	−0·90	20·47	31·10	−10·69	2·00	2·79	Buxar ...	Shahabad	
86	4·4	0·39	1·										Arrah ...		
87	5·3	2·34	1·18	1·90	1·12	1·90	−0·78	26·91	32 93	−6·02	2·25	2 60	Gya ...	Gya	
88	8·0	0·11	0·48	1·99	0·45	1·99	−1·54	31·19	32 29	−1·19	1·50	2·78	Bankipore ...	Patna	
84	6·7	1·35	1·17	2·38	1·17	2·38	−1·21	34·07	33·57	+1·10	2·20	3 13	Bhagulpore ...	South Bhagulpore ... Monghyr	
83	2·9	0·95	0·89	2·92	0·89	2·92	−2·03	35·24	39 19	−3·95	3·00	3·53	Doomka ...	Sonthal Pergunnahs ..	
89	9·4	1·12		2 64		2 64			39·99			3·43	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
88	8·4	4·30	1·20	2·71 1·89	1·20	2·71 1·89	−0·69	35·02	38·91 36 90	−0·98	3·00	3·84 3·33	Ranchi ...	Lohardugga ... ... Maubhoom	
90	7·7	3·82	3·40	2·36	3·40	2 36	+1·04	37·49	41·33	−3·84	3·60	3·45	Chyebassa ...	Singbhoom	
56	9·3	4·68											Sibsagar	Assam	Assam.
87	6·3	0·15											Dhubri		
98	9·4	7·34											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 5th of September 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 30th August.	Monday, 31st August.	Tuesday, 1st Sept.	Wednesday, 2nd Sept.	Thursday, 3rd Sept.	Friday, 4th Sept.	Saturday, 5th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	0·30	......	0·80	0·93	1·90	......	0·12	5	4·07	2·66	3·77	2·66	26·25	31·76
		Khurdah ...	......	0·31	0·72	0·15	0·23	0·04				2·46		2·46		39·28
		Banpur ...	......	0·30	0·40	0·35	0·10					2·10		2·10		43·19
		False Point ...	......	......	0·10	0·18	1·19	0·16	1·44	5	3·07	2·81	3·07	2·81	39·55	42·02
		Gop ...										?		?		?
		Satpara ...	......	0·20	0·60	0·13						?		?		?
		Pipli .										?		?		?
	Cuttack	Jagatsingpore	0·20	0·15	0·50	0·75	0·10	0·10				1·89		1·89		31·77
		Banki ..	......	0·22	0·26	0·57	0·12	0·11				3·10		3·10		37·30
		Cuttack ...	......	0·57	0·47	0·14	0·05	0·10	0·45	5	1·78	2·01	1·21	2·01	38·54	41·77
		Kendrapara ...	......	......	1·53	0·17	0·73	0·15	0·27	5	2·85	1·95	2·85	1·95	34·51	37·55
		Jajpore ...	......	0·30	0·45	0·16	......	0·09	0·24	4	1·24	2·41	0·94	2·41	38·45	38·96
		Dharmsala ..	0·22	0·30								?		?		?
		Salipore .	......	......	......	......	0·85					?		?		?
	Balasore ..	*Akhoyapada* ..	......	0·07	0·30	0·35	0·03	0·47	0·34	4	1·39	?	1·32	?	36·85	?
		Chandbali ...	......	0·06	......	1·86	0·82	0·23	0·55	4	3·54	1·99	3·48	1·99	31·36	35·37
		Bhuddruck ...	......	......	0·65	0·08	0·15	0·12	......	3	1·00	2·30	1·00	2·30	33·48	36·62
		Sorah ...	......	......	1·00	......	......	......	1·30	2	2·30	2·76	2·30	2·76	35·70	35·70
		Balasore ..	......	0·04	0·17	0·01	0·02	0·32	1·21	3	1·77	2·52	1·73	2·52	35·65	40·60
		Jellasore ..										3·03		3·03		38·66
		Baripodah ..	0·10	0·15	0·36	......	0·06	0·47	2·46	5	3·60	2·53	3·35	2·53	44·37	39·69
SOUTH-WEST BENGAL.	Midnapore	Contai ..	......	0·05	0·29	......	0·18	1·08	4·65	4	6·25	3·63	6·20	3·63	38·96	43·94
		Saugor Island	......	0·28	0·60	0·12	0·20	0·85	5·93	6	8·07	2·77	7·79	2·77	59·65	46·84
		Tumlook ..	0·05	0·14	......	0·15	0·37	0·45	0·40	5	1·56	2·66	1·39	2·66	45·17	39·75
		Midnapore ..	......	1·09	......	0·18	......	0·29	0·91	4	2·47	1·90	1·38	1·90	41·07	37·53
		Ghattal ..	......	0·40	0·38	0·25	0·10	0·43	0·31	6	1·87	2·38	1·47	2·38	47·05	43·71
		Kukrahaty ..	......	0·29	0·14	0·35	0·55	0·73	1·18	6	3·44	?	3·15	?	33·35	?
		Garbetta ..	......	...	......	0·20	......	......	0·71	2	0·91	?	0·91	?	40·05	?
	24-Pergunnahs	Diamond Harbour ..	......	0·11	0·18	0·38	1·12	0·43	1·25	6	3·67	4·29	3·56	4·29	49·17	45·06
		Canning Town	......	......	0·10	0·16	0·24	0·53	0·85	5	2·18	?	2·18	?	32·48	?
		Alipore Jail ..	0·05	0·03	0·05	0·32	0·10	0·72	0·83	4	2·11	3·73	2·02	3·73	33·28	43·47
		Barrackpore...	......	......	0·92	......	1·21	......	1·38	3	3·51	2·48	3·51	2·48	35·51	39·45
		Dum-Dum ...	......	0·51	......	......	0·22	0·21	2·00	4	2·96	3·30	2·43	3·30	30·58	40·84
		Baraset ..	......	0·11	......	......	0·21	0·02	0·49	3	0·83	3·12	0·72	3·12	36·01	37·80
		Busoorhat ...	......	1·11	......	......	......	......	0·75	2	1·86	3·33	0·75	3·33	33·91	42·76
	Howrah	Howrah ..	0·05	......	0·10	0·05	0·06	0·27	1·05	3	1·58	3·40	1·53	3·40	29·80	40·37
		Mohesreka (*Ooloberiah*) ...	......	1·13	0·22	......	0·12	0·25	1·20	5	2·92	2·45	1·79	2·45	33·60	40·79
	Hooghly ..	Serampore ..	......	......	0·89	0·02	......	0·03	0·78	2	1·72	2·81	1·72	2·81	34·00	39·71
		Hooghly ...	0·08	0·50	1·06	......	0·10	0·07	0·50	4	2·31	2·36	1·73	2·36	33·41	39·17
		Johanabad	......	0·50	......	......	0·19	0·19	1·18	4	2·15	2·26	1·56	2·26	37·82	42·63
	Burdwan	Culna ..	......	0·55	......	0·07	0·04	0·33	0·65	3	1·64	1·69	1·00	1·69	28·60	34·23
		Burdwan ...	......	0·08	0·01	0·02	0·02	0·05	0·08	Nil	0·24	2·17	0·16	2·17	43·35	37·14
		Cutwa ..	0·02	......	0·10	0·17	0·04	0·12	0·02	3	0·47	2·41	0·45	2·41	35·35	36·67
		Raneegunge .	......	......	0·02	0·46	0·41	0·06	0·23	3	1·18	2·59	1·18	2·59	30·74	40·09
		Mankur ...	......	......	......	......	0·39	......	0·11	2	0·50	?	0·50	?	44·04	?
	Bankoora ..	Bankoora ..	......	......	0·05	0·03	0·45	0·09	1·12	2	1·74	2·10	1·74	2·10	39·35	40·46
		Bishenpore ...	......	0·59	0·09	0·26	0·07	......	0·67	3	1·68	2·67	1·09	2·67	46·40	42·06
		Maliara ..	......	...	0·02	0·02	0·20	0·14	0·16	3	0·54	1·94	0·54	1·94	45·72	41·81
		Khatra ..	......	......	0·10	......	0·60	......	0·40	3	1·10	3·34	1·10	3·34	35·33	44·40
		Indas ..	......	...	0·41	......	0·15	......	0·23	3	0·79	?	0·79	?	40·06	?
		Kotalpore .	......	......	......	0·22	0·24	......	1·14	3	1·60	?	1·00	?	43·66	?
		Anda .	......	0·04	3·44	......	......	0·35	0·05	2	3·88	?	3·84	?	34·38	?
		Gangajalghati	......	......	......	......	0·53	......	0·38	2	0·91	?	0·91	?	42·11	?
		Raipore ...	......	0·67	0·25	......	0·24	......	1·15	4	2·31	?	1·64	?	52·23	?
		Sonamukhi ..	......	......	......	0·10	0·46	......	......	2	0·56	?	0·56	?	45·81	?
	Beerbhoom	Sh. Soory ..	......	0·02	......	0·19	0·72	0·02	0·85	3	1·80	3·34	1·78	3·34	41·62	42·58
		Hetampore ..	......	......	......	0·65	0·23	0·19	0·09	3	1·16	2·94	1·16	2·04	38·28	43·81
		Rampore Haut	......	......	0·34	0·05	0·18	0·78	0·02	3	1·37	3·42	1·37	3·42	32·26	39·31
		Bolpore ..	......	...	0·45	......	0·53	......	0·35	3	1·13	?	1·13	?	41·44	?
		Murari ...	......	......	......	0·25	1·21	......	......	2	1·46	?	1·46	?	31·30	?
	Nuddea ..	Ranaghat ..	......	0·47	0·16	0·06	0·22	0·82	0·31	5	2·06	2·22	1·50	2·22	34·17	37·11
		Kishnaghur ...	......	0·34	......	......	0·05	0·47	0·09	2	0·95	2·31	0·61	2·31	34·00	34·99
		Chooadanga ..	......	0·29	0·03	......	......	0·78	......	2	1·10	2·62	0·81	2·62	35·47	38·22
		Meherpore ..	......	0·15	0·47	......	0·15	0·29	0·28	5	1·25	2·16	1·10	2·16	35·00	37·20
		Kooshtea ...	......	0·68	......	0·09	0·12	0·07	0·08	2	1·04	2·84	0·36	2·84	29·60	40·71
	Khoolna ..	Satkhira ..	......	......	0·30	0·01	0·08	0·40	0·19	3	0·88	2·40	0·88	2·40	36·82	42·52
		Bagirhat ..	......	......	0·28	0·08	0·14	0·06	......	2	0·56	3·23	0·56	3·23	42·67	47·61
		Khoolna ..	......	0·10	0·04	0·03	......	......	......	1	0·17	2·06	0·07	2·06	29·73	42·22
		Nakipur ...										?		?		?
		Rampal .	......	......	......	0·20	0·70	......	......	2	0·90	?	0·90	?	31·53	?
	Jessore ...	Narail ..	......	0·42	0·07	0·37	0·23	......	0·54	4	1·63	2·49	1·21	2·49	30·51	36·02
		Jessore ...	......	0·50	0·39	1·60	0·04	0·09	0·02	3	2·64	2·73	2·14	2·73	33·03	42·39
		Jhenidah ...	......	0·36	......	0·06	......	0·26	0·12	3	0·80	2·44	0·44	2·44	30·90	40·08
		Magoorah ...	......	0·17	......	0·04	0·10	......	0·04	2	0·35	2·94	0·18	2·04	33·02	38·27
		Bongong ...	......	0·40	......	1·04	......	......	0·40	3	1·84	2·12	1·44	2·12	37·03	38·41
	Moorshedabad	Kandi ...	......	0·35	......	......	0·40	0·10	......	3	0·85	2·42	0·50	2·42	28·35	37·87
		Berhampore...	......	......	0·02	0·06	0·21	0·67	0·27	4	1·83	3·07	1·83	3·07	31·64	37·84
		Lalbagh ...	......	......	0·65	1·08	0·12	0·89	0·09	4	2·83	2·93	2·83	2·93	34·02	36·65
		Azimgunge ...	......	......	......	0·24	0·22	......	0·40	3	0·86	2·93	0·86	2·93	28·24	38·83
		Jungipore ..	......	0·23	0·25	0·09	0·36	0·38	......	4	1·31	3·50	1·08	3·50	33·80	38·01
		Lalgola ...	......	......	......	0·50	0·40	0·15	......	3	1·05	3·47	1·05	3·47	36·59	38·88
		Akhrigunj ...	......	......	0·30	0·14	0·03	0·29	......	3	0·76	?	0·76	?	35·39	?
		Patkabari ..	......	......	......	......	0·60	......	0·35	2	0·95	?	0·95	?	34·95	?
EAST BENGAL	Chittagong	Cox's Bazar ...	0·20	0·92	0·49	0·20	......	......	0·17	4	1·98	6·17	0·86	6·17	89·51	110·82
		Chittagong ...	......	0·08	0·03	0·02	......	0·40	0·21	2	0·74	4·79	0·66	4·79	62·50	76·14
		Kutubdia ...	......	0·73	0·25							?		?		?
		Satkanya ...	......	0·26	0·04	......	0·08	0·33	0·05	2	0·76	?	0·50	?	84·19	?
	Chittagong Hill Tracts.	Rangamati ...	......	0·07	0·31	0·33	0·04	0·19	0·09	4	1·63	3·40	1·56	3·40	58·90	64·06
		Bundarban ...	......	......	0·42	0·12						?		?		?
	Backergunge	Patuakhally...	......	......	0·45	0·37	0·70	......	0·35	4	1·87	4·13	1·87	4·13	52·69	69·68
		Perozepore ...	......	......	0·40	......	0·38	......	0·12	3	0·90	3·63	0·90	3·63	49·52	58·64
		Burrisal ...	......	......	0·21	0·54	0·81	0·18	0·50	5	2·19	3·01	2·19	3·01	41·94	51·29
		Bhola ...	......	0·18	0·52	......	0·29	......	0·14	4	1·04	3·24	0·86	3·24	42·66	64·96

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 5th of September 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 30th August.	Monday, 31st August.	Tuesday, 1st Sept.	Wednesday, 2nd Sept.	Thursday, 3rd Sept.	Friday, 4th Sept.	Saturday, 5th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL—concld.		*Gournaddi* ..	......	......	0·21	0·35	0·53	0·15	0·26	5	1·50	?	1·50	?	37·60	?
		Bauphal ...	......	......	1·30	1·14	0·34	0·21				?		?		?
	Noakholly ...	Noakholly .	......	0·31	0·58	......	0·02	0·10	0·05	3	1·06	5·23	0·75	5·23	59·73	85 03
		Fenny .	0·50	0·15	0·43	......	......	......	0·40	4	1·48	5·54	0·83	5 54	56·19	85·34
		Harishpore ...	0 75	1·25	0·50							?		?		?
		Ramganj ...										?		?		?
	Furreedpore	Madaripore ..	......	......	... ..	1·45	0·15	0·07	0·22	3	1·80	2·55	1·89	2·55	34·36	43 64
		Furreedpore ..	......	... .	0·65	0·02	0·02	0·06	0·05	1	0·80	3·62	0·80	3·62	36·54	45·10
		Goalundo .	......	0·19	0·28	0·11	......	0·14	0·05	4	0·77	2 90	0·58	2·90	26·11	41·14
	Dacca. ...	Munshigunge	......	0·45	1·68	0·05	......	0·10	0·08	3	2·34	4·11	1·91	4·11	40·75	54·63
		Dacca ..	......	0·31	0 43	......	......	0·15	0·20	4	1·18	3 74	0·87	3·74	48·05	46 64
		Naraingunge	......	1·41	1·46	0·03	0·08	0·16	0·15	4	3·27	4·31	1·86	4·31	51·78	50 79
		Manickgunge	......	0·02	0·42	......	0·13	0·15	0·04	3	0·76	3·18	0·74	3·18	35·97	30·34
		Joydebpore ..	......	......	1·57	0·13	0·11	......	0·04	3	1·85	?	1·85	?	44·41	?
	Hill Tipperah	Agartola ..	0 20	0·10	0·40	......	0·20	......	0·20	5	1·10	3·26	0 80	3·26	40·10	40·83
	Tipperah ...	Comilla ...	......	0·10	......	......	... ..	0·03	0·10	2	0·23	3·82	0·13	3·82	47·36	62·05
		Chandpore ...	......	0·40	0·85	......	0·10	0·15	0·20	5	1·70	4·20	1·30	4·20	43·87	59·86
		Brahmunberia	......	2·82	......	......	......	0·60	0·10	3	3·52	3 83	0·70	3·83	47·79	40·99
		Ramchandrapore ...	......	......	0·13	0·12	......	0·05	0·14	3	0·44	?	0·41	?	44·33	?
		Nasirnagar ...	......	......	... ..	0·40	......	0·50	......	2	0 90	?	0·90	?	10·44	?
		Daudkandi ...	......	......	1·10	......	......	... ..	......	1	1·10	?	1·10	?	42·75	?
		Kasba ...	......	......	0·09	......	0·09	0·07	0·05	Nil	0·30	?	0·30	?	?	?
		Laksham ..	......	1·00	......	......	......	......	......	1	1·00	?	?	?	51 15	?
	Mymensingh..	Kishoregunge	2·26	0·33	......	0·38	0·12	......	0·31	5	3·40	4·04	0·81	4·04	71·47	53·83
		Atia (*Tangail*.	... ..	1·11	0·63	0·11	......	0·17	......	4	2·02	2·82	0·91	2 82	31·40	41·93
		Mymensingh	1·01	0·07	0·20	0·03	0·13	......	......	3	1·44	3 34	0·36	3·34	48·65	55·97
		Jamalpore ...	2·48	......	......	......	... ..	0·38	0·10	3	2·96	4·19	0·48	4·19	51·19	48·82
		Netrokona ...	0·97	......	......	0·62	0·17	0·14	0·32	5	2·22	3·44	1·25	3·44	74 17	64·30
		Subornakhali	0·78	......	......	1 15	......	0·15	......	3	2·08	?	1·30	?	34·27	?
		Durgapore ...	0·43	......	......	......	......	1·98	......	2	2·41	?	1·98	?	76·26	?
		Sherepore Town	1·90	......	......	......	......	......	0·21	2	2·11	?	0·21	?	59·40	?
		Dewanganj ...		......	1·29							?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	......	0·26	0·06	0·07	0·15	0·14	0·07	3	0·75	3·41	0·49	3·41	24·02	40·42
		Serajgunge ...	0·80	0·60	0·27	0·04	......	0·08	......	3	1·70	2·80	0·39	2·80	36·65	39·87
	Bogra ...	Sherepore ...	......	... ..	0·70	0 10	......	0·10	......	3	0·90	3 03	0·90	3·03	24·59	45·16
		Nowkhilla ...	0·43	0·13	0·04	......	0·33	0·17	.....	4	1·10	1 70	0·54	1·70	35·13	40·54
		Bogra ...	0·74	0·14	......	0·10	......	0·55	0·12	5	1·65	3·16	0·77	3·16	33·05	47·64
		Panchbibi ...	......	... ..	0·36	0·04	......	0·18	......	2	0·58	3 43	0·58	3·43	30·48	43·19
	Rajshahye ...	Beauleah ..	......	......	......	0·08	0·14	......	0·03	1	0·23	3·00	0·23	3·00	36·38	39 37
		Nattore ..	......	0·15	0·32	......	......	0·15	......	3	0·62	4·01	0·47	4·01	46·14	41·77
		Naogaon ...	.. ...	.....	0·35	0·10	0·22	......	0·08	3	0·75	3·42	0·75	3·42	26·04	41·48
		Laipore ...	......	......	0·25	......	0·30	......	......	2	0·55	?	0·55	?	34·74	?
		Manda ...	......	.. ...	0·20	0·20	0·74	......	......	3	1·14	?	1·14	?	23·24	?
	Maldah ...	Maldah ...	......	0·01	0·18	0·03	......	0·06	0·30	2	0·58	3 85	0·57	3·85	20·23	38·85
		Chanchal ...	......	......	0·57	......	0·20	0·05	......	2	0·82	2·90	0·82	2·90	24·44	44·71
		Gajol ...	......	... ..	1·00	0·05	......	0·40	......	2	1·45	?	1·45	?	38 71	?
		Sibganj ...	......	......	......	......	0·04	0·08	......	Nil	0·12	?	0·12	?	30·86	?
	Dinagepore ..	Mohadebpore	......	......	0·50	0·25	......	0·36	0·13	4	1·24	3 43	1·24	3·43	24·61	44·94
		Churamon ...	......	......	0·81	0·41	0·14	0·21	......	4	1·57	3·50	1·37	3·50	38·01	40·97
		Raigunge ...	......	......	......	......	0·32	......	......	1	0·32	3·76	0·32	3·76	50·35	46·61
		Dinagepore ...	......	......	......	......	......	0·37	......	1	0 37	3·40	0·37	3·40	36·41	40 93
		Baloorghat ..	......	......	0·17	......	......	......	......	1	0·17	3·25	0·17	3·25	35·04	43·00
		Thakoorgaon	......	......	0·93	......	......	......	......	1	0·93	?	0 93	?	55·77	?
	Rungpore ..	Buxwaigunge (*Gyabanda*)	.. ...	......	......	0·07	0·05	1·00	......	1	1·12	3 85	1·12	3·85	45·54	46·57
		Rungpore ...	......	......	1·30	0·33	0·02	0·61	......	3	2·26	4·10	2·26	4·10	51·26	58·38
		Kurigram ...	......	......	......	......	......	......	......	Nil	Nil	3·56	Nil	3·56	43·47	59·09
		Bagdogra (*Nilphamari*)	......	0·19	......	0·04	......	......	0·23	2	0·46	4·19	0·27	4·19	48·37	67·84
		Ulipore ...	......	......	0·19	......	......	......	......	1	0·19	?	0·19	?	44·53	?
	Julpigoree ...	Julpigoree ...	......	......	......	......	0·06	......	0·21	1	0·27	6·05	0·27	6·05	40·55	90·48
		Alipore Dooar	......	......	1·61	......	0·57	......	......		2·18	?	2·18	?	64·36	?
		Fallacotta ...	......	......	......	......	1·62	......	......	1	1·62	?	1·62	?	55·00	?
		Debiganj ...	0·16	......	0·29	......	0·45	......	......	3	0·90	?	0·74	?	56·90	?
		Bhagatpore (*Nagrakatta*)	......	0·01	0·26	0·18	0·24	1·45	0·08	4	2·22	?	2·21	?	70·41	?
	Cooch Behar.	Dinhatta ...	......	......	0·05	0·04	......	......	......	Nil	0·09	5·60	0·09	5·60	57·74	75 84
		Cooch Behar ...	......	......	1·72	......	......	......	......	1	1·72	6 26	1·72	6 26	65·81	95·4
		Mickilgunge ...	......	......	0·12	0·15	......	......	0·11	3	0·38	6·27	0·38	6·27	63·11	88 5
		Matabhanga ...	......	......	1·07	......	......	......	0·01	1	1·08	6·22	1·08	6·22	64 80	92·1
	Darjeeling Hill.	Buxa ..	......	0·33	2·20	0·30	0·14	2·51	0·78	6	6·26	8·85	5·93	8·85	93·82	155·4
		Silliguri ..	0·42	0·63	1·74	0·50	0·03	1·03	......	5	4 35	4·90	3·30	4 90	51·58	93·8
		Darjeeling ...	......	0·07	0·21	0·32	0·11	0·13	0·01	4	0·85	5·90	0·78	5·90	77·79	89·2
		Kalimpong ...	......	......	0·81	0·48	0·04	1·12	......	3	2·45	3·30	2·45	3·30	40·11	72 0
		Kurseong ...	......	0·20	4·30	0·30	0·30	3·46	0·08	5	8·64	?	8·44	?	93·23	?
NORTH BEHAR	Purneah ...	Kissengunge ...	......	0·04	......	......	......	0·16	......	1	0·20	4·02	0·16	4·02	38·59	56·1
		Arrareah ...	......	0·46	......	......	......	0·11	......	2	0·57	3·69	0·11	3·69	35·94	49 2
		Purneah ...	......	0·52	......	......	......	0·02	......	1	0·54	3·75	0·02	3 75	20·84	46·3
		Gondwara ...										?		?		?
		Balarampore	... ..	......	......	......	0·20	......	......	1	0·20	?	0·20	?	19·56	?
		Matiari ...	0·40	0·62	... ..	......	......	......	......	2	1·02	?	Nil	?	23·23	?
		Kaliaganj ...	......	0·10	1·00	......	......	......	... ..	2	1·10	?	1 00	?	40·17	?
	North Bhagulpore.	Maddapore ..	......	0·90	0·10	0·01	......	......	0·16	3	1·17	2·98	0·27	2·98	27 83	37·0
		Soopool ..	......	0·20	0·16	0·43	0·10	......	......	4	0·89	2·67	0·69	2·67	22·78	37·2
		Protabganj ...	......	0·45	2·45	......	......	......	......	2	2·90	?	2·45	?	33·47	?
	Durbhunga ...	Tajpore ...	......	0·05	......	......	......	......	......	Nil	0·05	2·20	Nil	2·20	40·98	33 5
		Durbhunga ...	......	1·07	0·26	1·23	......	0·11	......	4	2·07	3·02	1·60	3·02	34·94	35·7
		Madhubani ...	......	0·65	0·26	......	0·06	......	......	2	2·97	3·56	0·34	3·56	28·91	34·7
		Bahera ...	......	......	1·22	0·40	......	......	......	2	1·62	?	1·62	?	29·61	?
		Roshera ...	......	0·90	... ..	......	......	......	......	1	0·90	?	Nil	?	18·23	?
	Mozufferpore	Sitamarhi ...	......	1·79	0·03	......	0·10	......	0·62	3	2·54	2·89	0·75	2·89	44·53	32·8
		Mozufferpore	......	0·23	......	......	0·38	0·10	......	3	0·73	2·50	0·48	2·50	28·55	31 0
		Hajipore ...	......	......	......	......	......	0·06	0·51	1	0·57	1·69	0·57	1·69	24·93	32·0
		Paru ...										?		?		?
		Mahua ...	......	......	0·50	......	......	......	......	1	0·50	?	0·50	?	43·23	?
		Sisbar ...	......	0·52								?		?		?
		Pupri ...	......	0·34								?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 5th of Sept. 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 30th August.	Monday, 31st August.	Tuesday, 1st Sept.	Wednesday, 2nd Sept.	Thursday, 3rd Sept.	Friday, 4th Sept.	Saturday, 5th Sept.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari ...	......	1·23	0·14	......	0·18	......	......	3	1·55	2·90	0·32	2·90	30·51	34·18
		Bettiah ...	......	0·14	......	......	0·67	0·06	......	2	0·87	1·43	0·73	1·43	26·06	36·83
		Bagaha ...	......	1·25	......	......	......	0·23	0·11	3	1·59	?	0·34	?	51·30	?
		Burhurwa ...	......	0·00	......	......	0·04	0·03	......	Nil	0·16	?	0·07	?	26·65	?
	Sarun ...	Gopalgunge ...	......	......	......	......	0·06	0·36	......	1	0·42	1·46	0·42	1·46	30·17	32·03
		Sewan ...	......	......	......	......	0·47	......	......	1	0·47	1·78	0·47	1·78	26·95	32·38
		Chuprah ...	......	......	......	......	......	0·45	......	1	0·45	1·92	0·45	1·92	19·94	31·13
SOUTH BEHAR	Shahabad	Buxar ...	......	......	......	0·11	0·66	0·60	1·08	3	1·85	1·94	1·85	1·94	14·98	29·00
		Dehree ...	......	......	0·35	......	0·48	0·12	......	3	0·95	3·10	0·95	3·10	23·75	33·25
		Bhabooah ...	......	0·43	......	......	......	0·65	0·34	3	1·42	1·88	0·99	1·88	24·65	31·79
		Sasseram ...	......	......	1·55	......	0·23	0·16	......	3	1·94	1·55	1·94	1·55	19·38	30·62
		Arrah ...	0·55	......	......	......	......	......	......	1	0·55	1·78	Nil	1·78	19·67	31·18
		Mohaniah ...										?		?		?
	Gya	Aurungabad ...	......	0·24	......	......	0·13	0·11	......	3	0·48	1·87	0·24	1·87	21·51	33·85
		Gya ...	......	......	......	......	1·12	1·22	......	2	2·34	2·06	2·34	2·06	28·59	34·10
		Nowadah ...	......	......	......	0·07	0·17	0·60	0·05	3	1·79	1·87	1·79	1·87	34·65	31·23
		Johanabad ...	......	......	......	......	......	......	0·11	1	0·11	1·79	0·11	1·79	22·88	32·50
		Arwal ...	......	......	......	......	0·56	0·15	0·25	3	0·96	?	0·96	?	..	?
		Daudnagar ...	......	0·65	......	......	......	......	1·25	2	1·90	?	1·25	?	13·47	?
		Sherrghatti ...	......	......	......	......	0·29	0·16	0·19	3	0·64	?	0·64	?	17·85	?
		Rajauli ...	......	......	......	0·45	0·31	0·12	0·35	4	1·23	?	1·23	?	35·73	?
		Pakri Barawan	......	......	......	......	0·55	......	0·40	2	0·95	?	0·95	?	23·37	?
	Patna ...	Patna ...	......	......	......	0·11	......	......	......	1	0·11	1·90	0·11	1·90	25·65	32·82
		Dinapore ...	......	0·10	......	......	......	0·15	......	2	0·25	1·75	0·15	1·75	28·71	32·46
		Behar ...	......	......	......	......	0·06	......	......	Nil	0·06	2·17	0·06	2·17	32·23	33·3[illegible]
		Barrh ...	......	......	......	0·10	0·80	......	0·60	3	1·50	2·14	1·50	2·14	38·13	30·3[illegible]
		Bickram ...	......	......	......	......	......	0·10	......	1	0·10	?	0·10	?	22·38	?
		Hilsa ...	......	......	......	......	0·30	......	......	1	0·30	?	0·30	?	...	?
	Monghyr ...	Begooserai ...	......	......	1·09	......	0·37	0·06	......	2	1·52	2·16	1·52	2·16	29·55	31·1[illegible]
		Monghyr ...	......	......	......	0·18	0·82	0·09	......	2	1·09	2·97	1·09	2·97	34·80	36·37
		Jamui ...	......	......	......	......	0·30	......	0·65	2	0·95	2·11	0·95	2·11	32·93	34·1[illegible]
		Gogri ...	......	......	0·87	0·43	......	......	......	2	1·30	?	1·30	?	45·42	?
		Sheikpura ...	......	......	......	0·30	0·53	......	......	2	0·83	?	0·83	?	34·17	?
	South Bhagulpore	Bhagulpore ...	......	......	0·56	0·27	0·37	0·09	0·06	3	1·35	2·47	1·35	2·47	37·34	33·6[illegible]
		Banka ...	......	......	0·09	......	0·26	0·03	......	2	0·95	2·19	0·95	2·19	38·77	33·34
		Kolgong ...	......	......	0·45	0·28	......	0·48	......	3	1·21	?	1·21	?	28·73	?
		Bangaon ...	......	1·70	......	......	......	......	......	1	1·70	?	Nil	?	28·01	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	0·18	......	......	0·34	......	2	0·52	3·34	0·52	3·34	31·03	30·54
		Godda ...	......	......	0·08	......	0·30	......	......	1	0·38	2·48	0·38	2·48	33·10	31·4[illegible]
		Pakour ...	......	......	......	0·54	0·22	0·12	0·37	4	1·25	3·88	1·25	3·88	32·12	42·34
		Nya Doomka ...	......	......	0·24	0·09	0·21	0·11	0·30	4	0·95	3·50	0·95	3·50	38·27	43·4[illegible]
		Deoghur ...	......	......	......	0·05	0·33	0·03	0·39	2	0·80	2·14	0·80	2·14	29·76	38·27
		Jamtara ...	......	......	......	0·28	0·62	0·22	0·29	4	1·41	2·19	1·41	2·19	46·24	38·87
		Mohagama ...	......	......	......	......	......	0·30				?		.		?
		Naniaut ...	......	......	......	0·64	0·34	0·15	......	3	1·13	?	1·13	?	?	?
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*) ...	......	......	......	......	0·33	0·84	0·32	3	1·49	2·37	1·49	2·37	37·04	37·14
		Hazaribagh ...	......	......	......	0·10	0·78	0·21	0·03	3	1·12	2·58	1·12	2·58	34·66	37·84
		Somtagurah ...		......	......	0·62	0·38	......	......	2	1·00	2·46	1·00	2·46	25·77	36·63
		Mahudi Hills										2·71		2·71		37·09
		Jhoomra Hills										3·10		3·10		48·73
		Barhi ...	......	......	......	......	0·58	0·82	0·02	2	1·42	?	1·42	?	31·01	?
		Chatra ...	0·08	......	......	......	0·84	0·43	1·00	3	2·35	?	2·37	?	26·12	?
		Karagdeha ...	......	......	......	0·27	0·55	0·15	0·25	4	1·22	?	1·22	?	35·06	?
		Ramghar ...	......	......	......	......	1·10	1·75				?		?		?
	Lohardugga ...	Lohardugga ...	......	......	0·60	1·25	0·55	2·18	......	4	4·64	3·09	4·64	3·09	35·00	41·32
		Ranchi ...	......	......	......	0·38	1·70	0·42	2·12	4	4·62	2·68	4·62	2·68	32·32	41·60
		Palamow ...	......	......	......	0·81	1·08	0·53				2·37		2·37		33·80
		Selli ...										?		?		?
		Balumat ...	......	......	0·26	0·70	0·31	1·34	......	4	2·61	?	2·61	?	31·20	?
		Hosseinabad	......	......	......	......	0·80					?		?		?
		Garwah ...	......	......	0·60	0·22	0·09	1·14				?		?		
	Singbhoom ...	Chyebassa ...	......	......	0·23	0·08	0·57	0·02	2·50	3	3·40	2·36	3·40	2·36	37·49	41·33
		Chakradharpore.	......	0·15	......	......	1·93	......	......	2	2·08	?	1·93	?	63·98	?
		Ghatsillo ...		0·10	......	......	0·50	......	0·90	3	1·50	?	1·40	?	45·80	?
		Baharagura	......	......	......	......	0·50	3·50				?		?		?
	Manbhoom ...	Purulia ...	......	......	......	0·47	0·65	0·21	0·20	4	1·53	1·94	1·53	1·94	40·51	38·60
		Gobindpore ...	......	......	0·30	0·06	......	0·13	0·09	2	0·88	1·84	0·88	1·84	31·28	35·14
		Raghunathpore.	......	......	0·15	0·45	1·55	......	0·95	4	3·10	?	3·10	?	43·70	?
		Barrabhoom	......	......	0·40	0·20	......	......	0·90	3	1·50	?	1·50	?	33·83	?
		Jhalda ...	......	......	......	......	......	......	1·27	1	1·27	?	1·27	?	34·36	?
		Chas ...	......	......	......	......	2·00	......	0·10	2	2·10	?	2·10	?	44·11	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 8th September* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 5TH OF SEPTEMBER 1891.

At the close of the previous week pressure had become decidedly uniform over the northern half of the Bay, and pressure was also becoming relatively low along the North Madras coast, the lowest readings being reported from Vizagapatam and Coconada. Pressure was also somewhat low over parts of North Bengal and Assam, but owing to the distribution of pressure over the Bay, little or no monsoon current was drifting over Bengal, and rainfall had become to a great extent absent. On the 30th pressure was falling along the Madras coast and in Bengal, while it was rising rather rapidly in Burma, so that the differences of pressure over the Bay became decidedly larger than they had been, and pressure was still lowest at Coconada and Vizagapatam. There was also slight indraught shown in the wind directions towards a low-pressure area off the west coast in the northern half of the Bay, and it was evident that squally unsettled weather existed over the westen part of the northern half of the Bay on this date. With this distribution of pressure rainfall was again practically absent in Bengal. By the morning of the 31st a distinct barometric depression had been formed in the west of the Bay, the centre of which was to the east of Gopalpore and apparently at some little distance from the coast. The conditions in the south-west of the province on this day were rather more favourable, and moderate rain was reported in South and Central Bengal and in Orissa and at some of the stations in North Behar. On 1st September the centre of the small depression had advanced in a north-westerly direction and was opposite or near Pooree, but it had not intensified to any extent and was still accompanied by rather feeble winds, though there was a complete cyclonic circulation. With this northerly advance conditions again became rather more favourable for rainfall in Bengal, and fairly general but light rain was received in Orissa, South-West, East and North Bengal, and a few showers in Chutia Nagpur. From the 1st to the 2nd the depression filled up decidedly, and on the 2nd it simply existed as a very shallow low-pressure area extending over the north of the Bay, Orissa, and part of South-West Bengal with a centre near the north-west angle of the Bay, round which there was an extremely feeble cyclonic circulation of winds, and again the winds were very light in force. Scattered rainfall was reported over the greater part of the province on the 2nd, but the falls were generally very light. On the 3rd the feeble low-pressure area in the north-west of the Bay had quite disappeared, and winds became of normal monsoon direction, and on this day rainfall was general over the whole province, though usually rather light. On the 4th again a slight low-pressure area commenced to form in the north-west angle of the Bay, and winds showed slight indraught towards a point between Saugor Island and False Point, while rainfall began to fall off both in area and in heaviness. From the 4th to the 5th, however, very heavy rain fell over the north and north-west of the Bay and the neighbouring parts of South-West Bengal and Orissa; Saugor Island reporting 5·93 inches of rain and Contai 4·65 inches, and with the heaviness of the rainfall the depression in the north-west angle of the Bay distinctly deepened, and on the morning of the 5th, a very distinct but small and feeble storm existed near the Sandheads, which was accompanied by the usual cyclonic circulation of winds, though the wind force in all cases was light.

It will therefore be seen that rainfall during the week has been light though fairly well distributed. Almost the only heavy falls indeed occurred in connection with the depression on the 4th and 5th in the extreme south-western districts of the province, and in all districts practically except these, rainfall has again been below the normal during the week.

Pressure.—The mean pressure for the whole week has been below the normal, but the defects have been small at the northern and eastern stations, where they average about 0·02″ to 0·03″; they are rather larger at the western stations, where they equal about 0·03″ to 0·04,″ and they are largest in the north-west angle of the Bay and the neighbouring parts of South-West Bengal and Orissa, where they are from 0·05″ to 0·07;″ the largest defects being 0·072″ at Saugor Island, 0·067″ at False Point, and 0·064″ at Balasore. This tendency to low pressure in the north-west angle of the Bay has existed almost continuously for many weeks.

Temperature.—Owing to the lightness of the rainfall during the week, the mean temperature has been above the normal in all districts. The excess in all districts except Orissa equals from about 1° to 2°, but in Orissa, where there has been fairly good rainfall, the excess only equals 0·2°. For the whole province the mean temperature for the week has been about 1·5° in excess of the normal. In Assam the excess has equalled 1·6°.

Rainfall—Has in all divisions been less than the normal for the week; the defects in Orissa, Chutia Nagpur, and South-West Bengal have been moderate only, but in East and North Bengal and in Behar they have been large. The falls in Chutia Nagpur, Orissa, South-West and East Bengal have averaged from about one and-three-quarters to two inches, those in Behar about one inch, while in North Bengal they have only equalled 0·87 inch. In the case of Orissa, Chutia Nagpur, and South-West Bengal, the defects from normal amounts have been from about half an inch to one inch, in Behar they have equalled about one and-a-half inches, in East Bengal about two inches, while North Bengal has received three inches less rainfall than usual during the week. The defects therefore

in East and South Bengal and in Behar have been serious, for the falls have only equalled from a little less than half the normal in South Behar to less than a fourth of the normal in North Bengal.

The following smaller divisions have received very defective falls during the week:— Burdwan, Bankoora, Beerbhoom, Moorshedabad, Jessore, Khoolna, Chittagong, Chittagong Hill Tracts, Backergunge, Noakholly, Furreedpore, Comillah,—all in North Bengal except Darjeeling, Purneah, Sarun, Patna, and Sonthal Pergunnahs.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 5th of September 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92·4	75·1	87·6	79·2	83·4	+0·2	1·75	2·49	−0·74	3·60	3·02	+0·58	1·56	2·40	31·10	37·36
South-West Bengal ...	93·1	77·0	89·6	78·8	84·2	+1·0	1·80	2·77	−0·97	3·31	3·41	−0·10	1·54	2·77	36·84	40·22
East Bengal	92·7	74·6	87·9	78·0	82·9	+1·0	1·76	3·86	−2·10	3·32	3·86	−0·54	1·07	3·86	40·86	59·03
North Bengal	95·6	75·2	90·1	78·4	84·3	+1·3	0·87	3·93	−3·06	2·16	3·49	−1·33	0·68	3·93	41·57	54·56
North Behar	96·2	74·9	91·1	78·8	84·9	+1·7	1·04	2·66	−1·62	2·00	2·77	−0·77	0·46	2·66	30·97	3 7·25
South Behar	95·0	76·7	90·9	79·6	85·3	+1·9	1·02	2·30	−1·28	2·33	3·01	−0·68	1·00	2·30	30·00	34·15
Chutia Nagpur	88·7*	70·9*	84·8*	73·0*	78·9*	+1·1*	2·00	2·50	−0·50	3·10	3·52	−0·42	2·00	2·50	34·42	39·20
Assam	90·0	75·8	89·7	78·2	84·0	+1·6										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 8*th September* 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 30th August to 5th September 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Aug.	30th	153·7	6·7	29·667	84·1	90·0	10·4	79·6	80·6	0·998	79·2	86	SW, SSE and variable	57	0·03	Partially cloudy, o, t, d.
„	31st	153·5	7·1	·597	83·8	88·9	9·6	79·3	80·1	·981	78·6	85	SSE, E, and SE by S	125	Nil	Partially cloudy, t.
Sept.	1st	146·5	3·6	·575	82·3	87·0	8·6	78·4	79·8	·987	78·8	89	ESE and E ...	121	0·27	Chiefly cloudy, o, t, d, p.
„	2nd	104·5	Nil	·592	81·1	83·0	3·8	79·2	79·5	·987	78·8	93	ENE, E, and ESE ..	127	0·13	Cloudy, o, g, d, t.
„	3rd	145·3	1·6	·645	80·8	85·6	8·4	77·2	79·0	·969	78·3	92	ESE and SSE ...	115	0·73	Chiefly cloudy, o, g, d, t, p.
„	4th	150·5	4·1	·630	81·7	86·8	9·3	77·5	79·5	·981	78·6	90	ESE, ENE, and variable.	106	0·89	Chiefly cloudy, o, g, d, t, p, <.
„	5th	155·5	7·3	·565	82·0	87·3	10·2	77·1	78·6	·933	77·1	85	SW and ESE ...	128	0·41	Partially cloudy, o, d, g, p.

	Inches.
The mean pressure of the seven days	29·610
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·644
	Hours.
The total number of hours of bright sunshine	30·4
The maximum possible number of hours of sunshine	87·7
	°
The mean temperature of the seven days	82·3
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·7
The extreme variation of temperature	12·9
The maximum temperature	90·0
	Miles.
The highest velocity of the wind in one hour	11
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	89
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	85
	Inches.
The total fall of rain from 30th August to 5th September 1891	2·46
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·25
The total fall from 1st January to 5th September 1891	39·50
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	50·11

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; t, thunder; d, drizzling rain; p, passing temporary showers; <, lightning.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 7th September 1891.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of August 1891.

	Inches.	Date.
The mean pressure at 10 A.M during the month	29·626	
	°	
The mean temperature at 10 A.M. during the month	83·8	
The highest temperature during the month	94·0	
The lowest temperature during the month	74·6	
The absolute range of temperature during the month	19·4	
The mean daily range of temperature during the month ...	10 7	
The greatest range of temperature in one day during the month ...	13 2	
	°/o	
The mean 10 A.M. humidity during the month	85	
	Inch.	
The mean 10 A.M. vapour tension during the month	1·013	
	Inches.	
The total rainfall of the month	13·12	
The greatest fall in 24 hours	3·65	
The number of rainy days in the month	18	

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 7th September 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 30th August to 5th September 1891.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE. Daily mean.	Maximum.	Range.	Minimum.	HYGROMETRY. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
August ...	30th ...	29·752	85·9	92·0	12 2	79·8	88·8	82·0	1·002	79 3	74	0·09
" ...	31st ...	·660	85·5	92 0	13 0	79 0	85 6	80 5	·974	78·4	80	0·02
September...	1st ...	·622	83 4	88 5	10·3	78 2	86·6	81·5	1 008	79·4	80	0·13
" ...	2nd ...	·638	82·4	84·9	5 1	79·8	80 6	79·5	·995	79·1	95	0 41
" ...	3rd .	·694	82·8	87·0	8·4	78·6	84·6	81·5	1 036	80·3	87	0·15
" ...	4th ...	·692	83·0	89·0	12 0	77·0	85·8	81·5	1 020	79·8	83	0·35
" ...	5th ...	·615	83 4	90 0	13·2	76·8	84·6	81·0	1 011	79 5	85	1 47

	Inches.
The mean 10 A.M. pressure of the seven days	29·668
	°
The mean temperature of the seven days	83·8
The extreme variation of temperature	15·2
The maximum temperature	92 0
	°/o
The mean 10 A.M. relative humidity of the seven days	83
	Inches.
The total fall of rain from 30th August to 5th September 1891 ...	2·62

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 7th September 1891.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 22nd August 1891.

BIRTHS.

THE total births registered during the week ending with Saturday, the 22nd August 1891, in twenty-seven principal towns of Bengal, amounted to 523, and correspond to an annual rate of 25·4 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 4·1 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	23·2	18·9	19·6	24·2	20·5	21·3	25·4

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

Towns.	Weeks ending— 1st August 1891.	8th August 1891.	15th August 1891.	22nd August 1891.	Towns.	Weeks ending— 1st August 1891.	8th August 1891.	15th August 1891.	22nd August 1891.
Burdwan	16·8	9·2	13·7	13·7	Narainganj	24·8	16·6	20·7	33·1
Midnapore	6·2	13·9	9·3	15·5	Chittagong	11·7	18·8	2·3	7·0
Hughli and Chinsurah	32·8	24·6	19·7	34·5	Comillah	11·6	27·0	42·4	27·0
Serampore	25·5	20·4	30·3	37·3	Patna City	12·0	10·7	13·0	13·6
Utterpara	18·9	18·9	28·3	47·2	Gya	26·0	25·3	28·7	11·6
Howrah	16·6	28·2	19·5	23·5	Arrah	23·9	29·9	8·4	10·1
Bali	14·0	3·5	17·5	17·5	Mozufferpore	18·2	24·3	21·9	41·4
Krishnagar	9·5	20·8	15·1	7·6	Durbhanga	20·5	45·6	24·4	47·2
Ranaghat	...	6·0	41·9	47·9	Chupra	35·2	39·2	28·2	62·4
Santipore	14·0	31·5	8·8	15·8	Bhagulpore	14·5	19·1	19·1	29·7
Jessore	6·1	...	6·1	...	Monghyr	31·6	39·8	3·5	47·6
Rampore Beauleah	21·0	5·3	13·1	36·6	Purneah	13·9	3·5	0·9	13·9
Darjiling	37·0	51·9	29·6	22·2	Poori	25·2	27·3	27·3	33·6
Dacca	8·4	9·7	5·2	9·7	Total ...	18·3	22·5	19·7	25·4

It will be seen that last week the highest birth-rate was returned from Chupra (62·4) and the lowest from Chittagong (7·). No births were registered during the week in the Jessore town.

DEATHS.

The total deaths registered during the week under review amounted to 641, and correspond to an annual rate of 31·1 per 1,000 of the population. The rate of the week is 3·3 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years except 1888, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	26·5	28·8	32·1	27·3	24·5	27·8	31·1

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population :—

Towns.	Weeks ending— 1st August 1891.	8th August 1891.	15th August 1891.	22nd August 1891.	Towns.	Weeks ending— 1st August 1891.	8th August 1891.	15th August 1891.	22nd August 1891.
Burdwan	19·8	27·5	25·9	25·9	Narainganj	8·3	33·1	33·1	29·0
Midnapore	13·9	21·7	13·9	21·7	Chittagong	11·7	23·5	2·3	9·4
Hughli and Chinsurah	23·0	47·6	29·5	72·2	Comillah	23·1	30·8	38·5	19·3
Serampore	37·3	29·4	34·4	60·8	Patna City	17·8	18·2	14·0	21·1
Utterpara	28·3	18·9	18·9	28·3	Gya	70·4	62·2	56·0	56·0
Howrah	14·9	17·8	21·8	12·6	Arrah	49·1	49·1	13·2	49·1
Bali	14·0	7·0	17·5	24·6	Mozufforpore	53·5	60·8	24·3	40·1
Krishnagar	11·4	9·5	9·5	15·1	Durbhanga	26·0	26·0	22·0	16·5
Ranaghat	6·0	12·0	24·9	47·0	Chupra	29·2	43·3	31·2	46·3
Santipore	8·8	12·3	12·3	19·3	Bhagulpore	32·0	38·1	22·1	36·6
Jessore	...	12·2	...	21·5	Monghyr	38·0	57·9	52·4	49·7
Rampore Beauleah	34·2	28·9	31·5	52·5	Purneah	3·5	20·8	21·2	13·9
Darjiling	88·9	81·5	133·4	90·3	Poori	23·1	35·7	31·5	18·9
Dacca	19·5	19·5	16·2	12·3	Total ...	27·5	31·8	25·4	31·1

According to the figures returned, the highest mortality occurred in the town of Darjiling (96·3) and the lowest in Chittagong (9·4).

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per mille.	*Fever.*	Ratio per mille.	*Dysentery and diarrhœa.*	Ratio per mille.	*Other causes.*	Ratio per mille.
Mozufferpore ...	19·5	Rampore Beauleah	47·3	Darjiling ...	44·4	Chupra ...	22·1
Gya ...	18·4	Darjiling ...	44·4	Hughli and Chinsurah ...	21·3	Serampore ...	19·6
Monghyr ...	16·3	Arrah ...	29·9	Serampore ...	15·7	Hughli and Chinsurah ...	16·4
Arrah ...	12·0	Hughli and Chinsurah ...	27·9			Monghyr ...	12·6
Patna City ...	9·7	Gya ...	26·0				
Serampore ...	7·8						
Bhagulpore ...	6·9						
Chupra ...	4·0						

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 6·2 from cholera, against 4·2 in the preceding week; ·04 from small-pox, against ·1; 12·7 from fever, against 10·1; 3·7 from dysentery and diarrhœa, against 3·1; ·8 from injury, against ·5; and 7·6 from other causes, against 7·4 in the preceding week.

The mortality of last week according to *Sex, Class* and *Age* was as follows :—

According to Sex.	Ratio per mille.	*According to Class.*	Ratio per mille.	*According to Age.*	Ratio per mille.
Males	29·6	Christians ...	7·5	Under 1 year ...	253·7
Females	32·6	Hindus ...	33·4	1 and under 5 years ...	53·7
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	91	Mahomedans ...	25·8	5 " 10 " ...	20·5
				10 " 15 " ...	18·2
				15 " 20 " ...	22·3
				20 " 30 " ...	20·2
				30 " 40 " ...	17·9
				40 " 50 " ...	16·9
				50 " 60 " ...	27·9
				60 years and upwards ...	61·8

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 7th September 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 22nd August 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of Population per annum.			Ratio of male births to every 100 female births.	Deaths from—							Ratio per 1,000 of Population per annum.							Ratio of deaths per 1,000 of population per annum in the previous week.	Deaths.		Ratio per 1,000 of Population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*		Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*		Males.	Females.	Males.	Females.	
Burdwan ...	Burdwan	18,063	16,017	34,080	6	3	*9*	9·1	4·6	*13·7*	200	...	...	6	5	2	4	*17*	...	...	9·1	7·6	3·1	6·1	*25·9*	25·9	8	9	23·0	29·2	79
Midnapore ...	Midnapore ..	16,927	16,633	33,560	5	5	*10*	7·7	7·7	*15·5*	100	...	...	7	3	...	4	*14*	...	...	10·8	4·6	...	6·2	*21·7*	13·9	11	3	3[illegible]·8	9·4	359
Hughli ...	Hughli and Chinsurah.	15,558	15,829	31,687	8	13	*21*	13·1	21·3	*34·5*	61	3	...	17	13	1	10	*44*	4·9	...	27·9	21·3	1·6	16·4	*72·2*	29·5	21	23	68·9	75·6	91
Serampore ...	Serampore ...	13,559	12,937	26,496	11	8	*19*	21·6	15·7	*37·3*	137	4	...	8	8	1	10	*31*	7·8	...	15·7	15·7	2·0	19·6	*60·8*	33·4	19	12	72·9	48·2	151
	Utterpara	3,046	2,464	5,510	2	3	*5*	18·9	28·3	*47·2*	66	...	...	2	...	...	1	*3*	...	...	18·9	...	...	9·4	*28·3*	18·9	1	2	17·1	42·2	40
Howrah ..	Howrah	53,153	37,660	90,813	27	14	*41*	15·5	8·0	*23·5*	193	2	...	5	4	1	10	*22*	1·1	...	2·9	2·3	·6	5·7	*12·6*	21·8	11	11	10·8	15·2	71
	Bali	7,836	6,979	14,815	3	2	*5*	10·5	7·0	*17·5*	150	1	...	4	2	...	...	*7*	3·5	...	14·0	7·0	...	...	*24·6*	17·5	5	2	33·2	14·9	223
Nuddea ..	Krishnagar ...	13,263	14,214	27,477	3	1	*4*	5·6	1·9	*7·6*	300	...	...	3	...	1	4	*8*	...	...	5·6	...	1·9	7·6	*15·1*	9·5	4	4	15·7	14·6	107
	Ranaghat	4,028	4,655	8,683	5	3	*8*	29·9	17·9	*47·9*	163	...	...	3	...	2	3	*8*	...		17·9	...	12·0	17·9	*47·9*	23·9	4	4	31·8	41·7	115
	Santipore	13,708	15,979	29,687	7	2	*9*	12·3	3·5	*15·8*	350	...	...	10	...	..	1	*11*	...	...	17·5	...	...	1·7	*19·3*	12·3	8	3	30·3	9·8	309
Jessore ...	Jessore	4,830	3,665	8,495	...	...	...	...	...	...	...	...	...	4	...	...	...	*4*	...	...	24·5	...	...	..	*24·5*	...	3	1	32·3	14·2	227
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	8	6	*14*	21·0	15·8	*36·8*	133	1	...	18	...	...	1	*20*	2·6	...	47·3	...	..	2·6	*52·5*	31·5	7	13	33·8	71·9	45
Darjiling ...	Darjiling	4,579	2,439	7,018	1	2	*3*	7·4	14·8	*22·2*	50	...	...	6	6	...	1	*13*	...	...	44·4	44·4	...	7·4	*96·3*	133·4	11	2	124·9	42·6	293
Dacca ...	Dacca	42,782	37,379	80,161	8	7	*15*	5·3	4·5	*9·7*	114	2	...	3	4	...	10	*19*	1·3	..	1·9	2·6	..	6·5	*12·3*	16·2	11	8	13·4	11·1	120
	Narainganj ...	7,605	4,956	12,561	6	2	*8*	24·8	8·3	*33·1*	300	...	...	4	1	...	2	*7*	...	...	16·6	4·1	..	8·3	*29·0*	33·1	5	2	34·2	21·0	163
Chittagong ...	Chittagong ...	13,340	8,790	22,130	...	3	*3*	...	7·0	*7·0*	No male birth.	...	...	2	..	...	2	*4*	...	..	4·7	..	...	4·7	*9·4*	2·3	2	2	7·8	11·8	66
Tipperah ...	Comillah	8,153	5,353	13,506	1	6	*7*	3·9	23·1	*27·0*	16	...	...	4	...	1		*5*	...	...	15·4	...	3·9	...	*19·3*	38·5	3	2	19·1	19·4	98
Patna	Patna City ...	78,762	81,475	160,237	22	20	*42*	7·1	6·5	*13·6*	110	30	...	17	6	1	11	*65*	9·7	...	5·5	1·9	·3	3·6	*21·1*	14·9	31	34	20·5	21·7	94
Gya	Gya	38,290	37,831	76,121	8	9	*17*	5·5	6·1	*11·6*	88	27	...	38	3	1	13	*82*	18·4	...	26·0	2·0	·7	8·9	*56·0*	56·[illegible]	34	48	46·2	66·0	70
Shahabad ...	Arrah	20,960	22,505	43,465	11	5	*16*	13·1	6·0	*19·1*	220	10	...	25	.	1	5	*41*	12·0	...	29·9	...	1·2	6·0	*49·1*	13·2	17	24	42·2	55·5	76
Mozufferpore ..	Mozufferpore ...	23,084	19,658	42,742	15	19	*34*	18·2	23·1	*41·4*	78	16	...	7	2	1	7	*33*	19·5	...	8·5	2·4	1·2	8·5	*40·1*	24·3	21	12	47·3	31·7	149
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	32	28	*60*	25·2	22·0	*47·2*	114	...	1	11	1	1	7	*21*	...	·8	8·6	·8	·8	5·5	*16·5*	22·0	7	14	10·8	22·5	48
Sarun	Chupra	25,116	26,554	51,670	36	26	*62*	36·2	26·2	*62·4*	138	4	...	16	4	...	22	*46*	4·0	...	16·1	4·0	...	22·1	*46·3*	31·2	18	28	37·3	54·8	68
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	18	21	*39*	13·7	16·0	*29·7*	55	9	...	24	4	...	11	*48*	6·9	...	18·3	3·0	...	8·4	*36·6*	22·1	16	32	23·8	49·9	48
Monghyr ...	Monghyr	28,154	29,366	57,520	22	30	*52*	19·9	27·1	*47·6*	73	18	...	13	9	1	14	*55*	16·3	...	11·8	8·1	·9	12·6	*49·7*	52·4	32	23	59·1	40·7	145
Purneah ...	Purneah	8,463	6,553	15,016	3	1	*4*	10·4	3·5	*13·9*	300	...	..	4	...	.	...	*4*	...	...	13·9	...	...	..	*13·9*	24·2	3	1	18·4	7·9	233
Poori	Poori	13,247	11,537	24,784	5	11	*16*	10·5	23·1	*33·6*	45	...	...	2	2	2	3	*9*	...	...	4·2	4·2	4·2	6·3	*18·9*	31·5	4	5	15·7	22·5	70
	Total ...	556,262	516,097	1,072,359	273	250	*523*	13·2	12·1	*25·4*	109	127	1	263	77	17	156	*641*	6·3	·04	12·7	3·7	·8	7·6	*31·1*	25·4	317	324	29·6	32·6	91

		13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
DISTRICTS.	NAMES OF MUNICIPALITIES.	DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	10	7	...	...	...	22·0	35·5	...	...	5		1	2	2	...	5	...	...	2	393·9	...	22·3	41·3	33·3	...	37·7	...	...	70·2
Midnapore ...	Midnapore	...	13	1	...	...	...	26·1	7·2	..	.	1	1	3	1	1	2	1	1	1	2	70·0	22·1	41·6	17·1	16·5	14·2	9·4	14·0	25·2	56·3
Hughli ..	Hughli and Chinsurah.	...	35	9	...	...	...	72·0	75·9	...	...	9	4	6	2	2	3	5	5	2	6	552·8	93·7	108·1	41·9	41·4	25·1	45·5	62·3	40·0	150·5
Serampore ..	Serampore ..	...	30	1	..	.	.	61·8	55·4	...	..	5	2	1	2	2	6	5	3	2	3	366·2	57·6	20·7	46·8	47·6	57·9	52·3	46·2	54·3	112·1
	Utterpara ...	...	3	...	..	...	...	29·3	..	..	..			...	..	...	1	..	1	...	1	..	...	...	...	...	45·2	...	74·2	...	200·0
Howrah ..	Howrah ...	...	16	6	.	...		12·2	15·2		.	4	.	..	..	2	5	6	1	3	1	100·8	...	...	...	14·2	11·5	16·2	4·4	25·4	13·9
	Bally ...	...	7	.	.	.		27·1	...		.	...	3		1	...	...	1	...	1	1	...	156·2	...	43·8	...	...	18·6	...	49·6	71·0
Nuddea ...	Krishnagar ..	1	4	3	..	...	91·7	11·2	18·8			1	...	...	1	...	1	2	2	1	...	104·8	...	...	18·5	...	10·8	24·3	31·9	24·7	...
	Ranaghat ...	...	7	1	...	...	.	40·7	38·1			2		2	1	...		1	..	...	2	502·4	...	93·3	59·9	...	...	41·7	...	...	188·8
	Santipore ...	...	11	...	...	...	..	27·6	...	.	.	..	2	...	...	...	3	.	2	..	4	...	35·9	...	...	...	31·8	...	29·6	...	105·9
Jessore .	Jessore ..		1	3	..	...	..	11·5	40·8	...	..	...	1	.	...	...	1	1	...	...	1	...	105·3	...	...	...	25·8	34·0	...	...	113·5
Rajshahye ...	Rampore Beauleah	...	8	12	...	...	...	42·0	63·6	..	..	2	7	3	1	1	...	1	2	2	1	256·3	256·7	75·0	28·9	31·3	...	14·4	42·4	83·8	54·0
Darjiling ...	Darjiling ..	...	11	2	...	...	...	124·5	169·9	...		1	3	2	...	1	1	1	2	...	2	425·8	242·6	177·8	..	81·3	26·0	36·3	150·3	...	615·4
Dacca ...	Dacca ...	...	11	8	...	...	...	14·2	10·6	...		3	2	...	...	1	4	1	..	2	6	82·2	14·1	...	...	7·1	13·6	4·5	...	22·0	56·0
	Naraingunj ...	...	2	5	...	...	...	16·4	42·2	...	..	3		.	...	...	2	...	1	...	1	559·1	...	...	...	...	39·0	...	37·3	...	79·8
Chittagong ...	Chittagong ..	...	1	3	...	...	...	9·6	10·2	.	..	...	1	..	..	1	...	..	1	1	...	...	26·4	...	...	21·5	...	...	23·0	47·9	...
Tipperah ...	Comillah ...	...	...	5	...	...	..	...	35·2	...	...	1	2	...	..	...	...	..	..	1	1	175·1	79·5	...	...	...	...	...	...	64·9	76·7
Patna ...	Patna City ...	...	51	14	...	...	...	[illegible]	17·8	...	..	3	6	3	5	6	8	11	4	9	10	36·2	21·4	9·2	18·1	27·9	14·4	24·6	11·0	33·1	37·7
Gya ...	Gya ...	...	75	7	...	...	...	65·0	22·6	...	..	11	23	3	4	3	10	6	8	7	7	319·6	188·2	22·3	30·9	29·8	35·3	24·5	42·6	55·4	70·7
Shahabad ...	Arrah ..	...	30	11	...	..	...	50·3	46·1	...	...	13	6	2	1	2	6	2	3	3	3	524·8	70·4	20·3	11·8	32·4	39·7	16·3	33·3	30·4	54·1
Mozufferpore ...	Mozufferpore ...	...	20	13	...	...	...	34·6	54·2	...		6	1	2	2	4	12	2	...	...	4	326·7	12·9	23·1	26·3	68·6	72·7	14·9	...	...	85·5
Durbhanga ...	Durbhanga ...	...	17	4	...	...	...	15·3	11·8	...	...	7	6	1	2	...	1	1	1	...	2	233·8	41·0	6·6	18·7	...	3·9	4·7	7·0	...	32·6
Sarun ...	Chupra ...	...	38	8	...	...	...	49·8	34·9	...	..	17	5	3	3	1	5	3	..	2	7	626·5	50·4	26·2	31·1	15·0	28·2	20·0	...	25·2	107·0
Bhagulpore ...	Bhagulpore ...	...	38	10	...	...	...	40·4	27·6	...	...	11	8	3	4	3	5	3	2	2	7	395·6	64·1	22·1	28·8	31·5	19·9	14·2	13·6	20·5	84·6
Monghyr ...	Monghyr ...	...	42	13	...	...	...	45·8	53·8	..	...	15	13	9	1	3	5	2	1	1	5	525·3	108·6	66·3	9·1	41·3	25·1	11·7	8·2	13·1	72·5
Purneah ...	Purneah ...	...	3	1	...	..	...	17·0	9·2	...	...	1	..	..	...	...	...	1	1	1	...	183·7	...	...	...	...	...	18·2	28·0	55·5	...
Poori ...	Poori ...	...	9	...	..	...	...	19·1	...	...	...	4	1	...	1	...	2	...	...	1	...	656·5	28·9	...	27·7	...	19·7	...	...	23·3	...
	TOTAL ...	1	493	147	...	...	7·5	33·4	25·8	...	...	125	97	44	34	35	83	61	41	42	79	253·7	53·7	20·5	18·2	22·3	20·2	17·9	16·9	27·9	61·8

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 7th September 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee and Brahmapootra, for the month of June 1891.

Date.		River Ganges.																River Bhagiruthee.		River Jellinghee.		River Brahmapootra.	
		Mirzapore.		Benares.		Buxar.		Dinapore.		Monghyr.		Sahebgunge.		Rampore Beauleah.		Goalundo.		Berhampore.		Sarupgunge.		Gowhatty.	
	Distance. Miles.	From Allahabad ... 88		From Allahabad ... 134	From Mirzapore ... 48	From Benares 90		From Benares 177	From Buxar ... 87	From Benares 287	From Dinapore 110	From Benares 381	From Monghyr 94	From Benares 471	From Sahebgunge ... 90	From Benares 591	From Rampore Beauleah ... 120						
		Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge.	Height over mean sea-level.	Height over zero of gauge	Height over mean sea-level.
				Below	zero.	Below	zero.					Below	zero										
1st ...	...	1·00	207·22	0·79	196·01	0·33	168·72	8·70	142·93	1·58	103·43	0·67	67·33	2·25	44·25	11·08	20·02	5·50	39·24	7·50	11·80	17·30	166·06
2nd ...	...	1·50	207·72	0·37	196·43	0·17	168·88	9·00	143·23	1·54	103·39	0·67	67·33	2·50	44·50	11·08	20·02	5·25	38·99	7·00	11·30	17·00	165·76
				Above	zero.																		
3rd ...	...	1·75	207·97	0·00	196·80	0·08	168·97	9·10	143·33	1·67	103·52	0·58	67·42	2·00	44·00	11·17	20·11	5·17	38·91	6·33	10·63	17·50	166·26
						Above	zero.																
4th ...	...	1·83	208·05	0·00	196·80	0·17	169·22	9·30	143·53	2·08	103·93	0·50	67·50	1·67	43·67	11·58	20·52	5·17	38·91	6·37	10·67	17·10	165·86
												Above	zero.										
5th ...	...	1·93	208·14	0·25	197·05	0·67	169·72	9·50	143·73	2·42	104·27	0·33	68·33	1·33	43·33	11·58	20·52	5·83	39·57	7·00	11·30	16·50	165·26
6th ...	...	1·92	208·14	0·33	197·13	1·50	170·55	11·20	145·43	2·92	104·77	0·25	68·25	1·08	43·08	11·50	20·44	5·92	39·66	7·25	11·55	16·00	164·76
7th ...	...	1·75	207·97	0·33	197·13	1·42	170·47	13·00	147·23	3·17	105·02	1·42	69·42	1·08	43·08	11·42	20·36	6·08	39·82	7·75	12·05	14·10	162·86
8th ...	...	1·58	207·80	0·33	197·13	1·08	170·13	13·50	147·73	5·67	107·52	1·92	69·92	1·37	43·37	11·42	20·36	6·42	40·16	8·08	12·38	14·00	162·76
9th ...	...	1·42	207·64	0·33	197·13	1·00	170·05	13·30	147·53	6·58	108·43	3·25	71·25	2·71	44·71	11·42	20·36	6·95	40·74	8·08	12·38	14·00	162·76
10th ...	...	1·33	207·55	0·29	197·09	0·92	169·97	13·00	147·23	6·50	108·35	3·67	71·67	3·58	45·58	11·00	19·94	7·54	41·28	8·00	12·30	13·90	162·66
11th ...	...	1·25	207·47	0·29	197·09	0·67	169·72	12·80	147·03	6·29	108·14	4·33	72·33	4·75	46·75	11·00	19·94	8·33	42·07	7·75	12·05	15·10	163·86
12th ...	...	1·17	207·39	0·29	197·09	0·50	169·55	12·65	146·88	6·00	107·85	4·67	72·67	5·37	47·37	11·00	19·94	9·00	42·74	7·50	11·80	16·50	165·26
13th ...	...	1·08	207·30	0·25	197·05	0·33	169·38	12·70	146·93	5·92	107·77	4·67	72·67	5·92	47·92	11·17	20·11	9·46	43·20	7·37	11·67	17·10	165·86
14th ...	...	1·17	207·39	0·17	196·97	0·17	169·22	12·40	146·63	5·83	107·68	4·42	72·42	5·92	47·92	11·50	20·44	9·46	43·20	7·50	11·80	17·45	166·21
15th ...	...	1·33	207·55	0·08	196·88	0·08	169·13	12·10	146·33	5·75	107·60	4·25	72·25	5·62	47·62	12·00	20·94	9·46	43·20	7·29	11·59	18·10	166·86
				Below	zero.	Below	zero.																
16th ...	...	1·50	207·72	0·08	196·72	0·08	168·97	11·90	146·13	5·50	107·33	4·25	72·25	5·50	47·50	12·50	21·44	9·25	42·99	7·08	11·38	18·15	166·91
17th ...	...	1·67	207·89	0·08	196·72	0·08	168·97	11·70	145·93	5·17	107·02	4·42	72·42	5·25	47·25	12·75	21·69	9·21	42·95	7·08	11·38	19·20	167·96
				Above	zero.																		
18th ...	...	1·92	208·14	0·25	197·05	0·08	168·97	11·60	145·83	4·92	106·77	4·33	72·33	5·08	47·08	13·00	21·94	9·17	42·91	6·83	11·13	19·90	168·66
19th ...	...	2·08	208·30	0·50	197·30	0·08	168·97	11·50	145·73	4·75	106·60	3·92	71·92	4·75	46·75	13·25	22·19	9·12	42·86	6·83	11·13	20·50	169·26
20th ...	...	2·25	208·47	0·83	197·63	0·25	168·80	11·30	145·53	4·58	106·43	3·58	71·58	4·75	46·75	13·42	22·36	9·00	42·74	7·00	11·30	20·40	169·16
						Above	zero.																
21st ...	...	2·33	208·55	1·00	197·80	0·42	169·47	11·20	145·43	4·50	106·35	3·25	71·25	4·67	46·67	13·58	22·52	8·75	42·49	7·17	11·47	21·90	170·66
22nd ...	...	2·50	208·72	1·17	197·97	0·50	169·55	11·00	145·23	4·25	106·10	3·00	71·00	4·50	46·50	13·75	22·69	8·50	42·24	7·17	11·47	21·10	169·86
23rd ...	...	2·58	208·80	1·17	197·97	0·67	169·72	11·00	145·23	4·08	105·93	2·83	70·83	4·33	46·33	13·83	22·77	8·33	42·07	7·00	11·30	20·30	169·06
24th ...	...	2·58	208·80	1·33	198·13	0·83	169·88	11·00	145·23	4·00	105·85	2·67	70·67	4·17	46·17	13·83	22·77	8·17	41·91	6·92	11·22	19·10	167·86
25th ...	...	2·67	208·89	1·42	198·22	1·00	170·05	11·00	145·23	3·92	105·77	2·67	70·67	4·17	46·17	13·83	22·77	8·00	41·74	6·75	11·05	19·10	167·86
26th ...	...	2·67	208·89	1·50	198·30	1·08	170·13	11·00	145·23	3·92	105·77	2·58	70·58	4·08	46·08	13·75	22·69	8·00	41·74	6·75	11·05	19·20	167·96
27th ...	...	2·75	208·97	1·50	198·30	1·17	170·22	11·00	145·23	3·92	105·77	2·50	70·50	3·96	45·96	13·67	22·61	7·96	41·70	6·71	11·01	19·10	167·86
28th ...	...	2·75	208·97	1·50	198·30	1·25	170·30	11·20	145·43	4·00	105·85	2·58	70·58	3·89	45·89	13·67	22·61	8·17	41·91	6·50	10·80	19·00	167·76
29th ...	...	2·58	208·80	1·50	198·30	1·25	170·30	12·10	146·33	4·17	106·02	2·75	70·75	4·08	46·08	13·67	22·61	8·42	42·16	6·33	10·63	18·90	167·66
30th ...	...	2·33	208·55	1·50	198·30	1·25	170·30	13·30	147·53	4·92	106·77	3·00	71·00	4·37	46·37	13·58	22·52	8·50	42·24	6·54	10·84	19·20	167·96

CALCUTTA,
The 8th September 1891.

G. A. G. SHAWE,
Under-Secretary to the Government of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 5th September 1891, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 5th September 1891.			Week ending Saturday, the 6th September 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	641	1,53,4[illegible]5	2,6[illegible]9	378	92,775	1,561
Jute	68	28,700	514	115	36,95[illegible]	742
Firewood	123	74,975	1,078	99	56,450	847
Other articles	829	1,87,705	2,879	7[illegible]0	1,83,030	2,315
Total ...	1,661	4,44,805	7,080	1,382	3,69,2[illegible]5	5,465

BENGAL CENTRAL RAILWAY.

Abstract of principal commodities carried over the Bengal Central Railway during the month of June 1891, *as compared with the same month of the previous year.*

Staples.	1891.		1890.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,059	......	502	......	1,634*	1,159	475	......
Cotton, raw	......	2	......	3	2	3	......	1
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles								
b.—In boxes								
2.—Indian—	292	10	255	......	302	255	47	......
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	2	207	8	49	209	57	152	......
5.—Others	46	94	34	49	140	83	57	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	......	59	......	21	59	21	38	......
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed	......	154	......	50	154	50	104	......
2.—Gunny-bags and cloth	13	40	12	36	53	48	5	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	34	6	43	5	40	48	......	8
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	143	......	95	......	143	95	48	......
3.—Others	84	......	216	......	84	216	......	132
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	128	1,159	112	324	1,287	436	851	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	......	752	......	645	752	645	107	......
3.—Others	17	75	17	25	92	42	50	......
Railway plant and rolling-stock	......	......	......	......	258	84	169	......
Salt	463	......	390	......	463	390	73	......
Sugar—								
1.—Drained	51	470	44	256	521	300	221	......
2.—Undrained								
Tobacco	73	33	20	85	106	64	42	......
All other articles of merchandise—								
1.—Unmanufactured	1,112	931	1,031	785	2,043	1,816	227	......
2.—Manufactured								
Total ...	3,517	3,992	2,788	2,233	8,337	5,812	2,666	141

* Includes 575 tons carried for Revenue for which no "Up" and "Down" registers maintained.

Comparative statement, Bengal Central Railway for June 1891.

INCREASES.

	Tons.		Tons.
Coal	475	Sugar	221
For railway and flotilla consumption principally.		Jhikargacha contributed this increase.	
Oil-seeds	851		
Good crops and a favourable market. Jhikargacha, Nawapara, and Khoolna contributed this increase.			

G. M. DRURY,
Traffic Superintendent.

CALCUTTA, *the* 1*st September* 1891.

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of June 1891, as compared with the same month of the previous year.

Staples.	1891. Up.	1891. Down.	1890. Up.	1890. Down.	Total. 1891.	Total. 1890.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons	Tons.	Tons.	Tons.	Tons.
Coal ...	2,482	2,5 9	2,801	763	12,842*	3,564	9,278	......
Cotton, raw ...	......	184	......	154	184	158	26	......
Cotton twist and yarn—								
1.—European ...								
2.—Indian ...								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles ...	2,557	168	1,873	38	2,745	1,011	834	......
b.—In boxes ...								
2.—Indian—								
a.—In bales and bundles ...								
b.—In boxes ...								
Grains—								
2.—Rice ...	2,998	3,520	2,149	4,418	6,518	6,567	......	49
5.—Others ...	2,419	7,077	706	6,715	9,496	7,421	2,075	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed ...								
b.—Undressed ...								
2.—Skins of sheep, &c.—	9	758	......	381	707	381	386	... ..
a.—Dressed ...								
b.—Undressed ...								
Jute—								
1.—Raw—								
a.—Screwed ...	......	696	......	812	696	812	......	116
b.—Unscrewed ...	57	2,896	......	3,600	2,953	3,600	......	647
2.—Gunny-bags and cloth ...	511	1,401	123	584	1,912	1,007	905	......
Metals—								
1.—Copper, unwrought ...								
2.—Brass, unwrought ...								
3.—Brass and copper, wrought ...	728	115	791	39	843	830	13	......
4.—Iron ...								
5.—Tin ...								
6.—Others ...								
Oils—								
2.—Kerosine ...	3,274	1	609	......	3,275	609	2,666	......
3.—Others ...	271	58	358	67	329	425	......	96
Oil-seeds—								
1.—Linseed ...								
2.—Rape and mustard ...								
3.—Til or gingelly ...								
4.—Niger ...	313	4,991	93	3,345	5,304	3,438	1,866	......
5.—Castor ...								
6.—Poppy ...								
7.—Others ...								
Provisions—								
2.—Betelnuts ...	180	767	80	674	947	763	184	......
3.—Others ...	674	434	457	380	1,108	837	271	... ..
Railway plant and rolling-stock ...	......	......	... ..	......	18,583	20,582	...	7,999
Salt ...	7,234	32	6,270	7	7,266	6,277	989	......
Sugar—								
1.—Drained ...	841	716	903	334	1,557	1,297	260	......
2.—Undrained ...								
Tea—								
1.—Foreign ...	......	2,312	1	1,702	2,312	1,703	549	......
2.—Indian ...								
Wood—								
1.—Timber ...	73	169	77	41	242	118	124	......
2.—Firewood ...	1,421	......	1,560	......	1,421	1,560	......	139
Tobacco ...	119	2,633	23	2,116	2,752	2,139	613	.. ...
All other articles of merchandise—								
1.—Unmanufactured ...	4,330	3,606	3,387	3,413	7,936	6,800	1,136	......
2.—Manufactured ...								
Hay, straw, and wooloo (C. & S.-E. Sections) ..	715	......	413	......	715	413	302	......
Total ...	31,206	35,073	22,743	29,947	92,703	79,272	22,477	9,046

* Includes 7,841 tons carried for revenue, in which no "Up" and "Down" mentioned.

Comparative statement, Eastern Bengal State Railway for June 1891.

INCREASES.

	Tons.
Coal ...	9,278
For railway and flotilla consumption.	
Cotton piece-goods ...	834
Ordinary fluctuations.	
Gunny-bags and cloth ...	905
This increase was contributed principally by Haldibari and Raiganj, the Calcutta market being favourable.	
Oil-seeds ...	1,866
Good crops in the district and an improved market.	
Kerosine oil ...	2,666
Due to the opening of the Budge-Budge Branch.	
Salt ...	980
The increase appears principally in the bookings to Alamdanga and Rungpur.	

DECREASES.

	Tons.
Railway plant and rolling stock ...	7,999
Probably due to reduction in repairs and renewals.	

G. M. DRURY,
Traffic Superintendent.

CALCUTTA, *the 25th August* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 29th August 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*218,184	*2,10,590 10 0	24,17,074 20	5,58,025 11 0	13,690 8 0	7,82,315 8 0	72,322¼	94,813¾	167,136½
Or per mile of railway	......	138 0 11	.....	365 12 9	8 15 7	512 13 3	......	......	......
For previous 8 weeks of half-year	1,873,563	19,01,331 5 0	1,64,56,912 20	39,44,278 3 0	1,26,459 11 0	59,72,069 3 0	549,710	701,589½	1,251,299½
Total for 9 weeks ...	2,091,747	21,11,930 15 0	1,88,74,887 0	45,02,303 14 0	1,40,149 14 0	67,54,384 11 0	622,032¼	796,403	1,418,435¼
Comparison.									
Total for corresponding week of previous year	195,217	1,75,797 10 7	20,03,132 20	4,33,154 4 0	17,355 3 2	6,26,307 1 9	60,034	77,722	137,756
Per mile of railway corresponding week of previous year ...	......	115 3 10	......	283 15 1	11 6 0	410 8 11	......	......	.....
Total to corresponding date of previous year	1,964,397½	19,33,876 0 2	1,61,43,330 30	35,49,625 10 6	1,45,247 5 3	56,28,748 15 11	559,881	675,223	1,235,104

* The increase in coaching traffic is partly due to Junmostomee festival and partly to pilgrims proceeding to Bindraban.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 29th August 1891, on 57⅞ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	8,445	3,836 15 0	38,888 0	2,475 11 0	39 0 0	6,3[illegible]1 10 0	944	652	1,596
Or per mile of railway	148	67 1 3	680 0	43 4 6	0 10 11	111 0 8	......	......	......
For previous 8 weeks of half-year	75,127	37,157 13 0	4,46,553 30	26,631 5 0	368 0 0	64,157 2 0	7,518	5,749	13,267
Total for 9 weeks ...	83,572	40,99[illegible] 12 0	4,85,441 3[illegible]	29,107 0 0	407 0 0	70,508 12 0	8,462	6,401	14,863
Comparison.									
Total for corresponding week of previous year	6,511	3,186 1 0	19,314 10	1,3[illegible]4 14 0	20 3 6	4,001 3 3	1,197	399	1,596
Per mile of railway corresponding week of previous year ...	114	55 11 3	337 30	24 6 2	0 5 8	80 7 1	......	......	......
Total to corresponding date of previous year	81,407½	41,025 3 4	3,00,712 0	18,305 0 0	32[illegible] 13 3	59,656 0 7	8,922	5,138	14,060

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for the week ended 29th August 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,005	3,340 14 0	7,372 20	220 3 0	9 0 0	3,579 1 0	909	164	1,073
Or per mile of railway	......	150 8 11	......	9 14 4	0 6 5	160 13 8	......	......	......
For previous 8 weeks of half-year	137,861	33,106 1 0	37,310 20	1,269 6 0	98 0 0	34,473 7 0	6,915	499	7,414
Total for 9 weeks ...	151,866	36,455 15 0	44,683 0	1,489 9 0	107 0 0	38,052 8 0	7,824	663	8,487
Comparison.									
Total for corresponding week of previous year	14,822½	3,565 6 10	4,345 30	603 1 0	2 9 9	4,171 1 7	919	49	968
Per mile of railway corresponding week of previous year ...	......	160 3 11	......	27 1 8	0 1 10	187 7 5	......	......	......
Total to corresponding date of previous year	145,813½	34,926 12 11	30,456 10	1,825 2 0	43 3 6	36,795 2 5	8,036	390	8,426

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 29th August 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.*	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,862	7,913 9 0	85,733 30	5,947 2 9	54 0 0	13,914 11 9	3,399½	864	4,263½
Or per mile of railway	......	48 13 7	......	36 11 5	0 5 4	85 14 4	......	......	......
For previous 8 weeks of half-year	113,034	74,885 0 0	2,66,631 10	49,147 13 3	444 0 0	1,24,476 13 3	44,575	11,555½	56,129½
Total for 9 weeks ...	123,896	82,798 9 0	3,02,365 0	55,095 0 0	498 0 0	1,38,391 9 0	47,972½	12,410½	60,392
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 29th August 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	146,261	62,240 0 0	7,27,074 0	1,75,650 0 0	23,520 0 0	2,61,410 0 0	26,000	38,800	64,800
Or per mile of railway	188	80 0 0	936 0	226 0 0	*15 0 0	321 0 0	......	......	......
For previous 8 weeks of half-year	1,182,354	4,95,850 0 0	37,06,755 0	8,21,060 0 0	96,610 0 0	14,13,520 0 0	195,600	224,654	420,254
Total for 9 weeks ...	1,328,615	5,58,090 0 0	44,33,829 0	9,96,710 0 0	1,20,130 0 0	16,74,930 0 0	221,600	263,454	485,054
Comparison.									
Total for corresponding week of previous year	120,185	50,136 0 0	7,24,409 0	1,81,909 0 0	24,333 0 0	2,56,378 0 0	24,798	38,014	62,812
Per mile of railway corresponding period of previous year ...	158	66 0 0	949 0	238 0 0	*11 0 0	315 0 0	......	......	......
Total to corresponding date of previous year	1,218,395	4,94,620 0 0	52,34,434 0	11,50,436 0 0	1,39,481 0 0	17,84,546 0 0	216,197	272,177	488,374

* Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 29th August 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	24,031	8,720 0 0	47,417 0	3,640 0 0	20 0 0	12,380 0 0	4,000	1,072	5,072
Or per mile of railway	192	70 0 0	379 0	29 0 0	......	99 0 0	......	......	......
For previous 8 weeks of half-year	207,420	71,410 0 0	2,57,480 0	19,390 0 0	590 0 0	91,390 0 0	29,353	14,001	43,354
Total for 9 weeks ...	231,451	80,130 0 0	3,04,897 0	23,030 0 0	610 0 0	1,03,770 0 0	33,353	15,073	49,026
Comparison.									
Total for corresponding 12 days of previous year	23,236	7,262 0 0	45,427 0	4,267 0 0	352 0 0	11,881 0 0	3,908	1,932	5,840
Per mile of railway corresponding period of previous year ...	178	58 0 0	363 0	34 0 0	3 0 0	95 0 0	.. ...	......	......
Total to corresponding date of previous year	229,717	73,178 0 0	3,51,758 0	25,697 0 0	2,080 0 0	1,00,904 0 0	33,228	16,957	50,185

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 29th August 1891, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	28,013	8,000 0 0	15,641 0	970 0 0	110 0 0	9,080 0 0	2,900	830	3,730
Or per mile of railway	326	93 0 0	182 0	11 0 0	2 0 0	106 0 0	......	......	......
For previous 8 weeks of half-year	118,758	36,500 0 0	71,411 0	5,270 0 0	1,270 0 0	43,040 0 0	20,540	5,790	26,330
Total for 9 weeks ...	146,771	44,500 0 0	87,052 0	6,240 0 0	1,380 0 0	52,120 0 0	23,446	6,620	30,066
Comparison.									
Total for corresponding week of previous year	15,910	4,023 0 0	18,054 0	1,273 0 0	67 0 0	6,263 0 0	2,414	690	3,104
Per mile of railway corresponding period of previous year	185	57 0 0	210 0	15 0 0	1 0 0	73 0 0	......	......	......
Total to corresponding date of previous year	134,018	41,488 0 0	1,10,597 0	8,788 0 0	3,437 0 0	53,713 0 0	21,114	6,446	27,560

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 29th August 1891, *on* 27½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,808	1,040 0 0	4,872 0	260 0 0	10 0 0	1,310 0 0	570	500	1,070
Or per mile of railway	103	38 0 0	179 0	10 0 0	......	48 0 0	......	......	......
For previous 8 weeks of half-year	26,142	9,440 0 0	82,828 0	4,390 0 0	160 0 0	13,990 0 0	4,204	4,054	8,258
Total for 9 weeks ...	28,950	10,480 0 0	87,700 0	4,650 0 0	170 0 0	15,900 0 0	4,774	4,554	9,328
Comparison.									
Total for corresponding week of previous year	2,722	862 0 0	4,577 0	208 0 0	21 0 0	1,091 0 0	530	437	967
Per mile of railway corresponding week of previous year ...	96	32 0 0	168 0	7 0 0	1 0 0	40 0 0	......	......	......
Total to corresponding date of previous year	26,564	9,607 0 0	82,080 0	4,355 0 0	158 0 0	14,120 0 0	4,743	4,313	9,056

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 22nd August 1891, *on* 721 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	75,890	29,300	2,04,170	24,410	6,580	60,290	13,320	11,477	24,797
Or per mile of railway	105·26	40·64	283·18	33·85	9·13	83·62	......	...	......
For previous 6¾ weeks of half-year	564,960	2,33,590	22,87,370	2,78,660	54,570	5,66,820	69.437	104,190	173,627
Total for 7¾ weeks ...	640,850	2,62,890	24,91,540	3,03,070	61,150	6,27,110	82,757	115,667	198,424
Comparison.									
Total for corresponding week of previous year on 691 miles open	*a* 73,082	24,795	*a* 2,47,544	30,310	6,205	61,310	12,685	11,418	24,103
Per mile of corresponding week of previous year	105·76	35·88	358·24	43·86	8·98	88·72	......	......	......
Total to corresponding date of previous year	*a* 571,039	1,99,195	*a* 19,31,918	2,12,885	48,395	4,60,175	87,738	92,904	180,642

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 22nd August 1891.	Week ending 23rd August 1890.	Week ending 22nd August 1891.	Week ending 23rd August 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	15,040 0 0	12,140 0 0	14,260 0 0	12,655 0 0
Goods	12,540 0 0	13,227 0 0	11,870 0 0	17,083 0 0
Other earnings	3,520 0 0	3,818 0 0	3,060 0 0	2,387 0 0
Total ...	31,100 0 0	29,185 0 0	29,190 0 0	32,125 0 0

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RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE CUSTOMS DEPARTMENT FOR THE YEAR 1890-91.

FINANCIAL DEPARTMENT—SEPARATE REVENUE.

Darjeeling, the 14th September 1891.

RESOLUTION.

READ—

The Report on the administration of the Customs Department for the official year 1890-91.

1. *Customs Receipts.*—The following table shows the gross and net customs duty, inclusive of that on imported salt, collected in Bengal during the past five years:—

	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
	Rs.	Rs.	Rs.	Rs.	Rs.
Import duty (excluding duty on salt).	15,05,764	14,86,057	21,61,242	24,45,683	26,75,754
Import duty on salt ...	1,94,85,102	1,85,30,955	2,27,28,687	2,25,83,827	2,30,66,656
Export duty ...	15,80,340	21,37,248	17,09,406	16,08,445	20,89,014
Total gross duty ...	2,25,71,206	2,21,54,260	2,65,99,335	2,66,37,955	2,78,31,424
Refunds and drawbacks—					
Imports ...	2,48,992	2,46,759	2,81,544	3,12,697	3,13,188
Exports ...	40,363	81,742	84,930	31.606	70,223
Total ...	2,89,355	3,28,501	3,66,474	3,44,303	3,83,411
Total net duty ...	2,22,81,851	2,18,25,759	2,62,32,861	2,62,93,652	2,74,48,013

The increase in the year under review amounts to Rs. 11,54,361, and the total duty collected is now 87 per cent. of what it was previous to the abolition of the general import duties in 1881-82. The increased import duty on general merchandise is the result of larger realizations from spirits and kerosine oil. The imposition of a duty has not stopped the steady growth of trade in the latter article. The most marked increase in the year has been in the revenue derived from rice exported to foreign ports, due to a good demand, plentiful crops, and a low local price.

2. *Value of trade.*—The following statement shows for the purpose of comparison the value of the export and import trade during the last two years, classified under the three main heads of goods, treasure, and Government transactions, and also the total trade of the Province, both export and import:—

	Goods.		Treasure.		Government transactions.		Total.		Increase.	Decrease.
	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Export trade	46,70,04,587	45,09,27,765	85,74,302	1,35,45,678	2,74,195	5,20,590	47,58,53,174	46,49,94,033	......	1,08,59,141
II.—Import "	30,08,74,495	31,63,23,350	1,47,78,066	4,18,44,740	97,68,073	97,34,492	32,54,20,634	36,79,02,582	4,24,81,948	......
III.—Total Trade of Province ...	76,78,79,082	76,72,51,115	2,33,52,458	5,53,90,418	1,00,42,268	1,02,55,082	80,12,73,808	83,28,96,615	3,16,22,807	....

It will be observed that, excluding Government transactions, the total value of exports in the foreign and coasting trade amounted to Rs. 46,44,73,443, as compared with Rs. 47,55,78,979 in the previous year—a decrease of Rs. 1,11,05,536. In the foreign trade alone the decrease in the value of exports of Indian produce amounted to nearly 2¼ crores, which is attributable both to smaller shipments and a heavy fall in price of some of the principal articles exported. This is a natural result of the high rate of exchange which prevailed during part of the year.

3. The total value of imports rose from Rs. 31,56,52,561 in 1889-90 to Rs. 35,81,68,090 in the year under review—an increase of Rs. 4,25,15,529. The total value of the trade of the Province, inclusive of treasure, but exclusive of Government transactions, shows an increase of Rs. 3,14,09,993 over the figures for 1889-90, but this is covered by the increased value of treasure imported and exported, which shows an advance of Rs. 3,20,37,960.

4. The value of imports on Government account is almost the same as in the preceding year, and amounted to Rs. 97,34,492. The exports made by Government rose from Rs. 2,74,195 to Rs. 5,20,590; foreign stores, principally arms ammunition and drugs, were re-exported to a much greater extent, and the exports of Indian produce, consisting chiefly of copper coin shipped to the Straits and Ceylon, increased by nearly a lakh.

5. *Calcutta. Foreign trade.*—The bulk of the foreign trade of Calcutta is carried on with the United Kingdom, but the percentage, which in 1889-90 was the lowest for ten years, has again declined, and now stands at 57·86 per cent. The total trade with China shows an advance in percentage owing to increased trade with the Treaty Ports, and this country continues to stand second in the list. The United States comes third. Germany has again advanced, the percentage having risen from 2·46 to 4·08 per cent. Australia and Ceylon have advanced and taken up a position above France.

The proportion of the foreign trade of Calcutta carried through the Suez Canal to the total trade stands at 64·4 per cent., as compared with 63·7 per cent. in the year 1889-90; the total value of the trade showing an increase of over 1⅓ crore, and being the highest recorded since the opening of the canal.

6. The following table shows the fluctuations that took place in shipping during the past two years:—

Arrivals and Departures.

	No.	Tonnage.
1889-90.		
Steam vessels	521	961,104
Sailing "	554	824,724
Native craft	42	6,111
1890-91.		
Steam vessels	548	1,041,060
Sailing "	446	711,233
Native craft	28	4,978

Account is here taken of those steamers only which arrive and leave without touching at any other Indian port. The continued decrease in the number of sailing vessels, which fell from 603 in 1888-89 to 554 in 1889-90, is very noticeable. In the past year the reduction of 108 sailing vessels with a tonnage of 113,491 is to some extent counterbalanced by an increase of 27 steamers carrying 79,956 tons. The direct trade with Germany shows an increase of 13 steamers and 11 sailing vessels, representing a tonnage of 49,726. At the same time the number of vessels sailing direct to London declined by sixty owing, it is believed, mainly to the rise in the dock charges brought about by the strikes of 1889, which have induced many continental merchants to make their shipments through Hamburg and Antwerp instead of through London.

7. *Imports.*—The total value of imports, including treasure, into Calcutta from foreign countries rose from Rs. 26,24,11,018 in 1889-90 to Rs. 29,90,13,666 in 1890-91, the increase in merchandise amounting to Rs. 92,50,486 and in treasure to Rs. 2,73,52,162. The total imports are higher than in any preceding year.

The following table shows the values of the principal articles of merchandise imported during the past two years:—

	1889-90.	1890-91.
	Rs.	Rs.
Cotton goods (including twist and yarn)	13,96,56,378	14,57,75,345
Metals	2,46,68,410	2,36,10,461
Mineral oils	1,18,08,390	1,25,55,206
Machinery	74,07,618	81,27,985
Woollen goods	70,11,664	75,10,294
Sugar	28,40,197	61,90,073
Salt	73,38,054	59,21,724
Liquors	49,00,323	47,88,915
Apparel	41,33,901	42,28,332
Hardware	30,88,318	32,41,100

Cotton goods form 56 per cent. of the total foreign import trade of Calcutta. Notwithstanding an increase of more than 42 lakhs in the imports of cotton piece-goods, as distinguished from twist and yarn, the Collector remarks that the statistics of the last five years show no signs of marked expansion in this trade. The rapid rise in the value of silver, brought about by American legislation, disorganized the piece-goods business, as it did not affect all engaged in it to an equal degree. Importers who had fixed the exchange for forward delivery lost heavily owing to the bazar dealers catching at any pretext to repudiate their contracts; while merchants who had sold forward without fixing the exchange made a large profit by the rise. On the other hand, the bazar dealers, men of small capital, working an enormous business chiefly on credit, saved themselves by rejecting their contracts, and are said not to have done badly on the whole.

The importation of metals declined by about 10½ lakhs. There was a decline of 38¾ per cent. in the importations of copper. The importations of galvanized iron have steadily advanced, showing how much more largely iron is being used in the construction of buildings than formerly. Under this head it would be interesting, if possible, to trace the effect of the growing preference for corrugated iron roofs in Eastern Bengal; but it is not quite clear how the iron thus used appears in the returns, whether as galvanized or sheet iron, or under both of these designations. The trade in mineral oils continues to show steady expansion. The quantity of sugar imported during the year under review was unusually heavy owing to low prices on the Continent and the sudden high rate of exchange here. The increase is in beet sugar from United Kingdom, Austria, and Germany. The bounty system in Europe has led to an enormous production there, and it is almost hopeless to expect any revival in the export trade of Bengal sugar. There was a decrease in the total import of salt, though the amount of duty collected, including that of salt taken out of bond, rose to the extent of over 3 lakhs. Mr. Armstrong writes that "the steadily increasing introduction of crushed salt in competition with Liverpool salt continues to be a most interesting and noteworthy feature of the salt trade." He thinks that this crushed salt will in time succeed in achieving a large market, and the Liverpool salt will gradually disappear. The subject will be discussed more fully in reviewing the report of the Salt Department.

Under the head of liquors there is a decrease of 3 lakhs in malt liquors, an increase of nearly 1¾ lakhs in spirits, and a very slight increase in wines and liqueurs. The decrease in malt liquors is attributed to the very heavy importations of the year 1889-90, which probably exceeded the demand of that year. The imports of Bass's beer continue to decline, and the attempt to displace the light German beers has not yet proved successful. The Collector again refers to the inferior quality of a large quantity of the spirits imported. The increase in the importation of spirits is due to the recovery of brandy from its fall in the previous year. As regards wines, Mr. Armstrong writes:—"A new and objectionable feature in the wine trade has been the importing, under the name of port, sherry, and other wines, of liquors which, from their price, can only be concoctions of cheap German spirit, coloured and flavoured to resemble the wines they are called after."

It is satisfactory to observe that the imports of coal have largely declined, and that the exports now exceed the imports. Country coal is used by all the large steamer firms, and out of 286,761 tons taken on board during the past year, only 2,244 tons were English. This trade may be expected to expand still further with the opening out of new coal-fields, the extension of railways, and the reduction of mineral freights. As regards other articles of importation, it is noted that there was a falling off in the importation of matches owing to a rise in price, and that the trade in Japanese matches is expanding rapidly. The imports from the United Kingdom declined in value from Rs. 5,26,597 to Rs. 2,48,459. Quinine, which is now abnormally cheap, shows the highest figures yet recorded, 25,757lbs. being imported, chiefly of Howard's manufacture. The number of umbrellas imported was 1,871,418, of which the United Kingdom supplied all but 77. The imports of the past year, though larger than those of 1889-90, represent a considerable falling off from the 2,621,745 imported in 1888-89 It is curious to observe that the imports of China tea, which stood at 158,323lbs. in 1886-87 and fell to 39,188lbs. in 1888-89, rose to 58,008lbs. during the past year. The trade is of little importance, but it would be interesting to know what becomes of this tea and who consumes it. Natives are known to prefer China tea to Indian, but they use tea only as an occasional luxury; and it seems hardly likely that they would take as much as 58,000lbs. Possibly some of it, in spite of Afghan trade restrictions, still finds its way beyond the north-western frontier of India.

8. *Exports.*—The total value of exports from Calcutta to foreign countries, including treasure, declined from Rs. 38,18,78,636 in 1889-90 to Rs. 35,93,66,166 in 1890-91, the decrease in merchandise amounting to Rs. 2,28,68,548, and the increase in treasure Rs. 3,56,078—a net decrease of Rs. 2,25,12,470.

The falling off was confined to free goods, and the principal items of decrease were—raw jute, 82 lakhs; seeds, 65¼ lakhs; dyeing materials, 43¾ lakhs; opium, 39¼ lakhs; jute manufactures, 30¾ lakhs; and raw cotton, 26¼ lakhs. The following statement shows the variations more clearly:—

	1889-90.	1890-91.
	Rs.	Rs.
Raw jute	7,26,67,026	6,44,78,477
Opium	6,37,25,170	5,97,99,265
Tea	5,12,39,079	5,03,78,662
Oil-seeds	4,13,04,984	3,46,22,681
Rice	2,48,74,668	3,13,06,827
Indigo	2,49,05,266	2,05,11,354
Hides and skins ...	1,84,21,934	2,07,04,763
Raw cotton	1,13,68,812	87,28,419
Wheat	60,11,810	50,37,082

The exports of jute advanced in quantity, but fell in value. Prices were high in the previous year, and ryots increased their sowings, so that the crop in the year under review was the largest ever known. Owing, however, to unseasonable rain and floods, the quality was inferior and prices fell heavily—in some cases from Rs. 5 to Rs. 1-8 a maund—a state of things calculated to discourage cultivation. Although prices in the jute districts fell 70 per cent., the decline in the English market was not so marked. In March 1890

good medium jute was selling in Dundee at £14 per ton, and at the end of the year, after the low quality of the crop had declared itself, the price still stood at £11-15.

The exports of tea amounted to 104,491,177lbs., being an advance, in comparison with 1889-90, of about 2¾ million pounds, but the average declared value was only 7 annas 8 pies per pound, as against 8 annas 1 pie the previous year. The following statement shows the importations of tea into the United Kingdom during the last two years : —

	1889. lbs.	1890. lbs.
India	96,693,000	101,557,000
Ceylon	31,191,000	40,012,000
China	93,208,000	77,174,000

There was a great increase in consumption of tea in the United Kingdom during the year 1890, the total stock of tea at the end of 1890 being nearly 12 million pounds less than at the close of 1889. This increased consumption was undoubtedly due to the reduction of duty. Indian tea is evidently gaining ground in the United Kingdom as compared with China teas. It is also satisfactory to note that the exports to Australia have increased by more than 1¾ million pounds, and that Indian tea seems likely to gain a firm footing there.

In this section of his report the Collector tells a flattering tale about the effect of a rise in the value of silver on the prospects of the tea industry, and sets himself to persuade the tea-planting community that they have in the long run little to fear from a rise in exchange, whether sudden or gradual. He abandons the theoretical argument that silver being only a commodity, when the price of silver rises the price of other commodities, including tea, will rise also, and so an equilibrium will be established and the same number of pounds of tea will purchase enough gold to provide the planter with the same number of rupees. He admits that the effect of a rise in exchange will be that the planter will get fewer rupees for his tea, but he argues that his expenditure will be proportionately less, and his profits therefore will remain the same. It is to be feared, however, that this statement does not agree with the tea planter's experience. It is true that he will pay less for machinery, European stores, and other articles purchased in England. It is also true that as all tea-growing countries use a silver currency, the tea planter is free from the special disadvantages which hamper the Indian wheat-grower in his attempt to compete with rivals in gold-using countries. But as the bulk of the planter's expenditure is incurred in India, where the value of the rupee remains unaltered or rises very slowly, he cannot protect himself by reducing his payments for wages and articles produced locally. In the case supposed, then, it would seem that the gardens which fail year after year to gain the normal profit of capital must sooner or later go out of cultivation, and only those will survive in which the cost of production is cheapest. It cannot be assumed that the contraction of output, caused by the closure of the more expensive gardens in India, will so reduce the total supply as to cause the price of tea to rise to a figure at which it will pay to reopen and work those gardens. The sterling price of tea in London is the resultant of many causes, affecting several sources of supply, and Indian tea-planters have to reckon with other competitors, and notably with the planters of Ceylon, who have within the last few years shown great energy in pushing their tea on the London market and bringing it to the notice of the public.

The exports of rice rose from 5,366,807 cwt. to 7,066,443 cwt., the increase being chiefly due to larger supplies drawn by Ceylon. The United Kingdom took 18 per cent. more than usual owing to the failure of the Japanese rice crop. The imposition of a heavy import duty killed the Italian demand. The indigo crop was the smallest since 1879, the total production in 1890 being estimated at only 95,000 maunds, a sagainst 1,44,718 maunds in 1889. It is not clear why actual figures cannot be given in the report. Prices, though higher than last year, were lower than in the three previous years.

The exports of raw cotton fell from 452,134 cwt. to 355,434 cwt., which the Collector attributes to the poorness of the crop and the interference with business caused by the sudden rise of exchange. It may be doubted, however, whether these causes alone fully account for the decline of the exports from Calcutta, which seems rather to be due to the fact that since the opening of the Rajputana Railway, Bombay has gone on attracting an increasing share of the cotton trade of Upper India, and the opening of the Indian Midland Railway has given Bombay a still further advantage. Independently of the fact that the distance by rail to Bombay is less, that port offers a larger and more advantageous market to producers; the freights to Europe are lower; and steamers bound for continental ports are available at shorter intervals than in Calcutta. The following statistics taken from the reports of the Chamber of Commerce illustrate the course of competition between the two ports:—

Receip's of Upper India cotton in Bombay and Calcutta.

		1887-88.	1888-89.	1889-90.	1890-91.
		Cwt.	Cwt.	Cwt.	Cwt.
Calcutta	...	433,221	450,003	615,825	317,342
Bombay	...	749,729	1,045,232	1,279,743	1,124,393
Total	...	1,182,950	1,495,235	1,895,568	1,441,735

Adding to the Calcutta returns for 1890-91 10,000 bales or 35,714 cwt., being the estimated outturn of cotton produced in Tipperah, Dacca, and Assam, which is necessarily exported by Calcutta, the total receipts of the past year derived from mercantile sources of information come to 353,056 cwt.—a figure which corresponds closely to the Custom House returns.

There has been a further decline in the export of wheat of 13 per cent., and the trade does not appear to be likely to expand at present. It is noticeable that there are now nearly 5¾ million cwt. of oil-seeds exported and only 1⅓ million cwt. of wheat.

The exports of opium show an increase from 55,985 chests to 57,597 chests, or 2·8 per cent.; but there was a heavy decline in average declared value, the price per chest being Rs. 1,038, against Rs. 1,138 in 1889-90.

The exports of silk were the lowest for five years, owing partly to the French demand having fallen off, and partly to the prices asked for coarse Bengal silk having risen, thus shutting it out from some of the uses to which it was formerly applied.

9. *Treasure.*—The advance in the net imports of gold was over 48 lakhs, and in that of silver was 2 crores 21¾ lakhs. The large imports were from the United Kingdom, China, Straits Settlements, and Australia, and are attributed to the fluctuations that occurred during the year in the value of silver. It is noticed that this is the first year of large direct importations of gold from Australia.

10. *Calcutta. Coasting Trade.*—After a fall in two successive years, the total value of the coasting trade rose by 1 crore and 57 lakhs, of which 78 lakhs were in imports. The whole of this increase was in Indian products, imports and exports of foreign merchandise having both declined. The trade is now higher than it has been since the abnormally high figures of 1877-78, which were due to heavy exports of grain at the time of the Madras famine.

11. *Chittagong Port.*—The total value of the trade of Chittagong, though lower than that of the preceding year, is above the average of the previous four years. The decline is chiefly due to the falling off of jute from Naraingunge, which comes to Chittagong for re-export to foreign countries. The total trade amounts in value to 2 crores and 87 lakhs.

12. *The Orissa Ports.*—The following statement shows the trade of the Orissa ports during the past two years:—

	1889-90.	1890-91.
	Rs.	Rs.
Balasore.		
Foreign	4,37,513	1,75,709
Coasting	93,03,035	99,96,542
Cuttack.		
Foreign	13,15,803	21,90,555
Coasting	4,39,940	8,66,418
Pooree.		
Foreign	39,842	1,82,561
Coasting	1,76,934	3,60,326

These figures show that there has been again a general improvement in the sea-borne trade of all three ports. The aggregate value of the entire trade rose 18 per cent. compared with 1889-90.

13. *Naraingunge.*—The total value of trade stands at Rs. 96,02,874—a falling off of nearly 19 lakhs from last year. In explanation, it is said that exporters of jute sent it by inland routes to Calcutta instead of by sea to Chittagong during the past year.

14. The Lieutenant-Governor's thanks are due to the Board of Revenue for their supervision of the Customs Department during the year, and to Mr. Armstrong for his efficient administration of the department and for the full and clear report submitted by him. The names of the officers who are favourably noticed by the Board, with the remarks recorded, will be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 12th September, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
BURDWAN DIVN.			
1	Burdwan Sept. 12, '91	0·76	Weather—hot. *Burdwan* :—Rice selling at 16 seers. Prospects good, but more rain needed. *Culna* :—*Aus* crop expected to be 16 annas. Prospects of *aman* good. Rice selling at 14 seers. *Cutwa* :—*Aus* is a good crop. *Aman* promises well, but rain needed. Rice sells at 16 seers. *Raneegunge* :—Rain wanted. Rice selling at 16 seers.
	Culna ...	1·75	
	Cutwa ...	0·79	
	Raneegunge ...	1·03	
2	Bankoora „ 12, '91	0·89	Very light monsoon weather. Harvesting of *aus* commenced. Prospects of *aman* continue good. Health of cattle good. Supply of fodder sufficient. Prices stationary.
3	Birbhum „ 12, '91	1·26	Light rain. Crop prospects very good. Rice is as good now as it was at the same time last year, and if the rest of the season be favourable, there will be another bumper harvest. Price of common rice from 17 to 19 seers per rupee. Fodder and water are abundant, and cattle are in normal health.
	Rampore Haut ...	1·48	
4	Midnapur „ 12, '91	2·78	Seasonable rain. Cultivation of paddy crop all but finished. Prospects good everywhere. Prices of common rice :— Srs. Sudder ... 15; Contai ... 16; Tamluk ... 16; Ghatal ... 16 } per rupee.
5	Hooghly „ 12, '91	2·39	Weather—sultry. Harvesting of *aus* commenced. Winter paddy doing well. More rain wanted in Serampore subdivision. Fodder and water-supply sufficient. Cattle-disease reported from thana Paudooa. Prices of common rice :— Srs. Sudder ... 13; Serampore ... 13; Jehanabad ... 16 } per rupee.
	Serampore ...	1·15	
	Jehanabad ...	2·17	
6	Howrah „ 12, '91	1·61	Weather—showery. *Aus* and jute crops are being cut. *Aman* and sugarcane doing well. Prospects of harvest satisfactory. Price of common rice 14 to 14½ seers per rupee. No disease amongst cattle. Fodder and water-supply adequate.
	Central Districts.		
PRESIDENCY DIVN.			
7	24-Perghs. Sept. 15, '91	2·96	Weather—hot and cloudy with occasional light showers. *Aus* and jute are being cut and harvested; outturn expected to be good all round. Sugarcane doing well. Transplantation nearly finished. *Aman* doing well, but rain wanted in Baraset. Prospects continue good throughout the district. Cattle-disease prevalent in Harowa. Supply of fodder and water good.
8	Nuddea „ 12, '91	1·03	Weather—seasonable. Harvesting of *aus* nearly at an end. Sugarcane and turmeric doing well. Health of cattle good, and supply of fodder and water ample.
	Kushtea ...	0·68	
	Meherpur ...	1·13	
	Chuadanga ...	1·48	
	Ranaghat ...	1·98	
9	Khoolna „ 12, '91	0·31	Weather—hot with occasional showers. *Aus* and jute being cut. General prospects fair. More rain required for *aman*. Fodder sufficient. Cattle-disease still prevalent in parts.
	Bagirhat ...	0·06	
	Satkhira ...	1·55	
10	Jessore „ 12, '91	0·75	Weather sultry. Outturn of *aus* about 16 annas. Jute being cut. *Aman* paddy wants more flood-water. Rivers, however, are unfortunately beginning to fall.
	Jhenidah ...	0·89	
	Magura ...	0·46	
	Narail ...	1·95	
	Bongong ...	0·70	
11	Murshedabad „ 14, '91	0·16	Weather—hot. Harvesting of *bhadoi* still going on. Prospects good. Transplantation of *aman* almost completed. More rain wanted. Small-pox among cattle in thana Kahangunge in Lalbagh subdivision. No want of supply of fodder.
RAJSHAHYE DIVN.			
12	Dinagepur „ 12, '91	Nil	Weather—sultry. Cloudy but no rain. Rain badly wanted for winter rice crop, which will be seriously affected if it does not rain heavily within a week or so. Outturn anyhow will not be good. Price of rice has slightly risen. Common rice selling at Sudder 14½ seers per rupee. Condition of cattle good. Supply of fodder and water sufficient.
	Thakurgaon ...	Nil	
13	Rajshahye „ 12, '91	0·88	Weather—very sultry, and rain very deficient. *Aus* has scarcely anywhere exceeded an 8-anna crop, and *aman* is suffering badly from want of rain. The river, too, is low. Prospects are not favourable. Cattle-disease prevailing in places. Drinking-water and fodder-supply ample.
	Nattore	0·46	
	Nowgong ...	0·16	
14	Rungpur „ 12, '91	Nil	Weather—very hot. Transplantation stopped for want of rain. Rain very urgently required. Cattle-disease heard of from a few places. Fodder plentiful.
	Nilphamari ...	0·23	
	Kurigram ...	1·05	
	Gaibanda ...	Nil	
15	Bogra „ 12, '91	0·76	Weather—generally fine and hot, with high winds. Outturn of *aus* rice about 16 annas, and of jute about 12 annas. Sugarcane doing well. Heavy rain urgently wanted for *aman* rice. Transplantation has already been seriously retarded. Price of common rice has not risen during the week; it is selling at 15 seers a rupee. There is no lack of water or fodder for cattle.
	Sherpur ...	0·14	
	Nowkhilla ...	0·17	
16	Pubna „ 12, '91	0·28	Weather—hot and cloudy. Rainfall very scanty. Standing crops suffering from want of rain. Reaping of *aus* paddy finished. Jute being reaped, and yielding an outturn of 14 annas. Rivers considerably fell, but now rising. Condition of cattle good. Fodder sufficient.
17	Darjeeling „ 12, '91	0·30	Weather—fair. Harvesting of *bhadoi* nearly completed. Transplantation of *haimanti* almost finished. More rain urgently wanted. Condition of cattle good. Supply of fodder and water sufficient.
18	Julpigoree „ 12, '91	0·80	Weather—very hot. Prospects of crops not good. Rain much wanted. Price of rice rising. Fodder and water-supply sufficient. Cattle-disease reported from Patgram and Boda.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Eastern Districts.			
DACCA DIVN.	19	Dacca	Sept. 12, '91	Figures not given	Weather—seasonable. Harvesting of *aus* paddy and jute still going on. *Aman* paddy on high lands partially damaged for want of sufficient rain and flood. Fodder and water available. Condition of cattle good. Cheapest rice sold at from 15 to 18 seers per rupee.
	20	Furreedpur	„ 12, '91	0·68	Weather—seasonable, but complaint generally heard of want of rain. Prospects of crops good. Rice selling at Sudder, Madaripore, and Goalundo at 16, 17, and 16 seers per rupee respectively. Jute steeping going on. No cattle disease.
	21	Backergunge	„ 12, '91	1·67	Weather—somewhat hot. Prospects of crops not so good in the Sudder on account of insufficiency of flood-waters. Price of common rice varies from 13 to 18 seers per rupee. Condition of cattle good. Supply of fodder and water not insufficient.
	22	Mymensingh	„ 12, '91	0·10	Weather—very hot and unseasonable. Prospects of standing crops fair. Rain wanted. Supply of water and fodder plentiful. Common rice sells at 13½ seers a rupee. Jute already fetches as much as Rs. 5-8 a maund, so that price is compensating for bad outturn.
CHITTAGONG DIVN.	23	Chittagong	„ 12, '91	0·19	Weather—seasonable with occasional rain. *Aus* is being harvested and *aman* transplanted, but want of rain is being felt in some places for the latter crop. Prices stationary. Condition of cattle and supply of fodder good.
	24	Noakhally	„ 12, '91	0·53	Weather—very hot. Rain greatly wanted for continuance of *aman* rice transplantation. Prospects not favourable, but prices unaltered. Condition of cattle and fodder supply normal.
	25	Tipperah	„ 12, '91	0·07	Weather—hot; unusually dry. Rain badly wanted throughout the district for standing crops and for transplantation of rice. Jute market favourable to cultivators. Harvesting of *aus* paddy almost complete. Prices generally stationary. Fodder insufficient as usual.
	26	Chittagong Hill Tracts.	„ 10, '91	0·85	Weather—extremely hot and close throughout the week. Harvesting of *jum* paddy still continues. Transplanting in low lands in rapid progress. Common rice being sold at 13 seers 5 chittack per rupee.
BEHAR.					
PATNA DIVN.	27	Patna	„ 12, '91	0·11	Weather—intensely hot and cloudy. Transplantation of paddy being delayed. Seedlings drying. Immediate rain wanted. *Bhadoi* good; being harvested in places. Prices of food-grains rising.
		Barh	...	1·50	
		Behar	...	1·13	
		Hilsa	...	0·60	
	28	Gya	„ 12, '91	0·25	Weather—hot and sometimes cloudy. Transplantation of rice seedlings almost over. Rain urgently wanted. Prospects of *bhadoi* crops still favourable. Prices of food-grains almost stationary. Supply of fodder and water for cattle sufficient.
		Nawada	...	1·25	
		Aurungabad	...	0·12	
		Jehanabad	...	0·49	
	29	Shahabad	„ 12, '91	0·62	Weather—very hot and stifling. Sugarcane still excellent. Reaping of *bhadoi* crops is beginning. Paddy has been transplanted during the week in Sasseram and Bhabuah, and a little transplantation also done in Arrah subdivision. Prospects have rather improved, but more rain is wanted. Prices unchanged. Fodder for cattle sufficient.
		Buxar	...	2·23	
		Bhabuah	...	2·84	
		Sasseram	...	0·99	
	30	Durbhunga	„ 12, '91	0·20	Weather—hot with passing clouds. Prospects of rice crop again gloomy owing to continued absence of rain. Harvesting of *bhadoi* crops in progress. The *bhadoi* crops are very good in some parts, fair in others, and bad in a few of the northern thanas. Condition of cattle good. Water sufficient.
	31	Mozufferpur	„ 12, '91	Nil	Weather—hot. Indian-corn and *marua* still being cut, with excellent outturn. Rain urgently wanted for paddy on high lands. Prices falling. Plenty of fodder and water for cattle.
		Sitamarhi	...	0·62	
		Hajipur	...	1·29	
	32	Sarun	„ 12, '91	0 52	Weather—very hot; cloudy. *Bhadoi* crops being cut here and there. Rain urgently wanted for paddy. Without rain this crop will be almost an entire failure. Ample fodder and water for cattle.
	33	Chumparun	„ 12, '91	..	Weather—hot and occasionally cloudy. Transplantation of *aghani* paddy retarded in some places in the Bettiah subdivision for want of rain. Rain now urgently wanted throughout the district. *Bhadoi* promises to be a good harvest. No cattle disease. Fodder and water for cattle plentiful. Price of common rice from 14 to 16 seers per rupee.
		Bettiah	...	0·14	
BHAGULPORE DIVN.	34	Monghyr	„ 12, '91	0·53	Weather—very hot and close. *Bhadoi* harvest continues; sixteen annas outturn assured. Rice crop suffering in some parts from want of rain which is urgently needed. Two annas of the crop reported to be still untransplanted in Jamui. Supply of fodder sufficient. No cattle-disease reported.
		Beguserai	...	0·77	
		Jamui	..	1·68	
	35	Bhagulpur	„ 12, '91	0·32	Weather—hot with occasional showers. To the north of the Ganges there has been little or no rain this week, and prospects of *aghani* rice will become serious unless there is good rain in 10 days. In the south also more rain is wanted, but here prospects are better. *Bhadoi* rice, *marua*, and *makai* have been mostly cut. Outturn of *bhadoi* rice is about 13 annas. Cattle are in better condition, and there is enough fodder so far.
	36	Purneah	„ 12, '91	Nil	Weather—hot; cloudy occasionally, but no rain. Want of rain beginning to be badly felt. Some irrigation from hill-streams going on in the north. Prices rising. Fodder plentiful. No cattle-disease.
		Kishengunge	...	0·20	
		Arrareah	...	0·16	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*			
BHAGULPORE DIVN—*concld.*			
37	**Maldah** Sept. 12, '91	0·03	Weather—hot with little rain. Harvesting of *bhadoi* almost over; outturn as estimated and reported before has been altered, and is now reported to be about 15 to 20 annas. Rain much wanted for transplantation of winter rice. In certain parts of the district lands are being prepared for *rabi* crops. Condition of cattle good. Fodder and water-supply adequate. No change in price of rice.
	Chanchal ...	Nil	
	Shibgunge ...	0·59	
	Gajole ...	0·40	
38	**Sonthal Perghs.** „ 12, '91	0·71	Weather—cloudy with passing light showers. Prospects of crops continue good. Rice crop generally doing well. A little more rain wanted for it in Deoghur and Pakour. *Janera* harvest commenced; a 16-anna outturn anticipated. Fodder and water-supply sufficient. Cattle in good condition.
ORISSA.			
ORISSA DIVN.			
39	**Cuttack**		Report not received.
40	**Pooree** „ 10, '91		Weather—cloudy with drizzling showers of rain. Transplanting and weeding of winter crop (*sarad*) going on. *Beali* rice ripening. Subdivisional officer reports that in some mowzahs of Kuspalla and Khoorda damage done to *sarad* paddy by root disease has not been recouped. Price of common rice varies from 18 seers 6 chittacks to 24 seers per rupee. Cattle-disease reported from Daudimal in Khoorda.
	Pipli ...	1·35	
	Gope ...	3·35	
	Khoorda ...	3·52	
	Banpore ...	2·03	
		2·41	
41	**Balasore** „ 12, '91	5·29	Weather—stormy. The outlook for *sarad* and *guru* (winter) rice crops, so far as can be judged at present, seems to be about fifteen annas of an average crop.
CHOTA NAGPORE			
South-West Frontier Agency.			
CHOTA NAGPORE DIVN.			
42	**Hazaribagh** Sept. 12, '91	0·81	Weather—variable: alternately fine and showery. Transplantation practically finished satisfactorily. *Bhadoi* expected to be a bumper crop; as also rice if some more good rain falls.
	Giridih ...	2·69	
43	**Lohardugga** „ 12, '91	1·17	Weather—seasonable. Transplantation of winter rice finished in head-quarters subdivision. It is still in progress in Palamow. *Gora dhan* and *goondli* are being cut. Prices steady. Fodder and water plentiful.
	Palamow (up to 7th Sept.)	3·81	
44	**Singbhoom** Sept. 12, '91	1·73	Weather—seasonable. State of crops good. Common rice selling at 14 seers per rupee in Chybassa and 13 seers in the Kolhan. Few people are working on the roads in the Kolhan. A few cases of cattle-disease reported from Baharagora outpost in Dhalbhoom pergunnah.
45	**Manbhoom** „ 12, '91	0·72	Weather—continues seasonable. Prospects of all crops, except maize, are good. Rice selling at from 15 to 20 seers per rupee. Fodder and water-supply plentiful.
	Govindpur ...	0·95	

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 15*th September*, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th September 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Sept.	6th	135·5	0·4	29·545	80 9	85·0	8 3	76·7	78·5	0·945	77·5	90	E and SE ...	153	0·30	Chiefly cloudy, o, d, p.
"	7th	146·0	6·1	·608	83·3	88·1	9·3	78 8	79·8	·975	78·5	86	ESE and SSE ..	131	Nil	Partially cloudy.
"	8th	153·0	2·8	·632	83·0	86 7	8·5	78·2	79·9	·982	78·7	87	SSE, ESE, and ENE	72	0·06	Chiefly cloudy, o, t, p, △.
"	9th	150·3	2·8	·639	82·1	87 0	7·8	79 2	79·5	·973	78 4	89	SSE, ENE, and calm	53	0·91	Chiefly cloudy, d, p, t, ≡.
"	10th	148·9	8·3	·638	83·3	90·5	13 4	77·1	79 1	·938	77·3	82	Variable and calm .	54	1·14	Partially cloudy, o, g, t, <, p, △, ≡.
"	11th	151·6	6·3	·632	82·3	88·6	11·6	77 0	79·1	·952	77·7	86	NNE, ENE, and ESE.	155	0·40	Partially cloudy, p, t.
"	12th	147·8	6·4	·669	82·3	86·9	8·6	78·3	78 6	·929	77·0	84	ENE and SSE ..	136	0·05	Partially cloudy, d, △.

	Inches.
The mean pressure of the seven days	29·623
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·652
	Hours.
The total number of hours of bright sunshine	33·1
The maximum possible number of hours of sunshine	86·6
	°
The mean temperature of the seven days	82·5
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·2
The extreme variation of temperature	13·8
The maximum temperature	90·5
	Miles.
The highest velocity of the wind in one hour	12
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	86
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches.
The total fall of rain from 6th to 12th September 1891	2·86
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	3·03
The total fall from 1st January to 12th September 1891	49·36
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	53·14

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; t, thunder; p, passing temporary showers; <, lightning; △, dew; ≡, fog.

J. H. Gilliland,
For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 14th September 1891.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	Station Observations. Air Pressure. Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level & to Lat 45°.	Variation from normal mean.	Temperature. Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Humidity. Mean, 8 A.M., humidity.	Variation from normal mean.	Cloud. Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.	Rainfall.
Orissa.	Pooree	Pooree	29·737	29·435	29·623	29·572	—	93·7	72·6	86·1	78·4	82·3	—	88	—	8·2	—	14·46
		Gopalpore	29·745	29·455	29·634	29·595	+·017	90·7	77·8	85·2	79·5	82·4	—0·8	86	—	5·6	—	7·83
		False Point	29·749	29·397	29·626	29·589	—·012	91·5	75·1	85·9	76·9	81·4	—1·2	89	+1	9·2	+1·2	17·41
	Cuttack	Cuttack	29·688	29·338	29·565	29·588	—·008	93·4	72·8	87·1	77·6	82·4	—1·4	81	—1	8·2	+0·8*	20·98
	Balasore	Balasore	29·698	29·293	29·564	29·565	—·023	94·4	73·8	87·0	77·8	82·4	+0·2	93	—	5·0	—	10·42
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island	29·734	29·495	29·602	29·571	—·024	90·7	76·5	86·9	79·2	83·1	—0·3	91	0	8·9	+0·6	21·07
	Midnapore	Midnapore	29·614	29·302	29·483	29·577	—·024	94·3	74·1	89·1	77·9	83·5	+0·5	89	—	4·1	—	23·27
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta	29·740	29·420	29·600	29·576	—·017	92·1	74·7	87·1	78·4	82·8	+0·2	90	+1	8·6	—0·2	13·28
	Burdwan	Burdwan	29·671	29·358	29·542	29·587	—·006	95·6	76·4	89·2	79·4	84·3	+0·3	86	—1	9·0	+0·4	15·54
	Bankoora	Bankoora	29·418	29·157	29·315	29·563	—·012	95·1	75·1	88·1	77·8	83·0	+0·4	89	—	7·6	—	13·68
	West Burdwan, Beerbhoom	Ranigunge	29·451*	29·146*	29·307*	29·600*	+·004	94·0†	75·0†	83·3†	78·2†	83·3†	+0·2	89*	—	3·7*	—	13·45
	Moorshedabad	Berhampore	29·703	29·403	29·575	29·590	—·011	94·7	76·3	89·1	78·7	83·9	+0·4	94	+6	8·8	—0·4	5·80
	Nuddea	Krishnagore	29·708	29·398	29·588	29·583	—·002	94·8	76·2	89·4	78·6	84·1	+1·1	87	—	8·1	—	5·09
	Jessore and Khoolna	Jessore	29·738	29·400	29·612	29·592	—·017	92·2	76·4	88·4	78·8	83·6	—0·1	91	+1	8·9	—0·3	9·02
East Bengal.	Chittagong	Chittagong	29·720	29·423	29·618	29·652	—·019	91·2†	74·1†	86·5†	76·2†	81·4†	+0·8†	87	—3	8·3	+0·4	9·82
	Chittagong Hill Tracts	Demagri	No observations received.															
	Backergunge	Barrisal	29·756	29·461	29·641	29·598	—·011	93·3	69·9	87·1	77·8	82·5	+1·1	88	—	7·8	—	7·23
	Noakholly	Noakholly	29·708	29·464	29·643	29·633	—·014	91·5	74·8	86·0	77·7	81·8	+0·7	89	—	8·3	—	12·57
	Furreedpore	Furreedpore	29·759	29·434	29·636	29·623	—·007	93·0	75·4	87·4	78·9	83·2	+0·7	89	—	6·8	—	7·17
	Dacca	Dacca	29·769	29·451	29·646	29·616	—·011	93·6	76·7	88·1	79·1	83·6	+0·3	90	—1	8·6	+0·4	10·36
	Commillah	Commillah	29·782	29·476	29·659	29·642	—·004	94·3	73·8	88·3	76·6	82·5	+0·0	88	—	4·6	—	8·49
	Mymensingh	Mymensingh	29·745	29·414	29·623	29·631	—·009	93·2	74·1	87·6	77·9	82·8	+0·3	91	—	7·6	—	10·47
North Bengal.	Bogra	Bogra	29·685†	29·400	29·577	29·580	+·006	94·3	74·2	88·9	78·4	83·7	+0·7	87	—	6·2	—	5·82
	Pubna	Serajgunge	29·750	29·429	29·617	29·613	—·013	93·6	75·2	88·1	78·5	83·3	+0·4	91	—	7·5	—	7·17
	Rajshahye	Rampore Beauleah.	29·693	29·397	29·575	29·594	+·005	93·8	75·6	87·9	78·8	83·4	+0·7	89	—	5·9	—	5·83
	Maldah	Maldah	?	?	?	?	—	95·4	76·0†	91·2	79·5†	83·4†	—	86*	—	4·7	—	3·40
	Dinagepore	Dinagepore	29·669	29·371	29·539	29·608	—·016	95·6	76·7	89·7	79·3	84·5	+1·2	88	—	6·4	—	3·04
	Rungpore	Rungpore	29·678	29·376	29·556	29·632	+·012	95·8	75·2	90·3	78·3	84·3	+1·1	88	—	2·7	—	4·90
	Julpigoree and Cooch Behar.	Julpigoree	29·526	29·212	29·386	29·619	+·011	93·0	74·1	89·2	76·8	83·0	+0·9	91	—	1·9	—	12·81
	Darjeeling Hill Tracts	Darjeeling	23·035	22·837	22·931	—	+·020	71·6	55·1	65·5	57·2	61·4	—0·1	94	+1	8·6	—0·3	22·27
North Behar.	Purneah and North Bhagulpore.	Purneah	29·655	29·373	29·530	29·607	+·003	94·7	75·2	90·5	77·8	84·2	+0·5	88		6·7	—0·8	3·78
	Mozufferpore	Mozufferpore	29·557	29·308	29·447	29·577	—	94·8	75·3	90·0	79·9	85·0	—	80	—	5·8	—	6·68
	Durbhunga	Durbhunga	29·605	29·346	29·491	29·609	+·011	95·9	75·0	90·5	79·3	84·9	+1·0	81	—5	6·2	+0·3	14·71
	Chumparun	Motihari	29·517	29·270	29·411	29·591	+·005	96·2	73·8	90·8	78·3	84·6	+1·0	86	—	7·2	—	14·83
	Sarun	Chupra	29·572	29·327	29·450	29·583	+·018	95·8	72·7	90·3	78·9	84·6	+1·0	80	—	5·5	—	6·47
South Behar.	Shahabad	Dehree	29·395	29·129	29·266	29·568	—·012	96·3	74·0	89·1	78·3	83·7	+1·1	85†	—	6·6	—	13·60
		Buxar §	29·515	29·264	29·383	29·574	—·001	94·9	74·3	89·6	78·5	84·1	+0·5	87	—	7·1	—	8·13
		Arrah	29·551	29·313	29·428	29·508	+·007	95·4	75·1	90·2	78·3	84·8	+0·7	88	—	4·1	—	5·37
	Gya	Gya	29·367	29·115	29·252	29·578	0	95·0	73·8	89·8	78·5	84·2	—0·1	88	+6	6·6	—2·3	12·21
	Patna	Bankipore	29·564	29·316	29·446	29·579	—·000	94·4	75·7	90·3	79·9	85·1	+0·6	84	—1	8·7	+0·5	5·77
	South Bhagulpore and Monghyr.	Bhagulpore	29·589	29·328	29·472	29·584	+·006	95·2	77·0	89·7	79·0	84·4	+0·7	88	—	7·7	—	6·80
	Sonthal Pergunnahs	Naya Doomka	29·273	28·908	29·148	29·591	+·008	92·6	75·3	87·9	77·4	82·6	+0·3	85	—	4·5	—	14·6
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·763	27·530	27·644	29·584	0	88·7	69·8	83·3	72·0	78·1	—0·2	91	+5	9·4	0	14·09
	Lohardugga, Manbhoom	Ranchee	27·648	27·385	27·517	29·572	—·007	87·0	69·4	82·5	72·3	77·4	+0·1	87	—	9·3	—	10·62
	Singbhoom	Chyebassa	28·993	28·682	28·801	29·564	—·004	92·4	73·7	87·7	76·7	82·2	0	83	—	9·0	—	17·99
Assam	Sibsagar	Sibsagar	29·476	29·229	29·363	29·649	—·020	96·6	76·0	90·5	78·4	84·5	+0·6	92	0	8·9	—0·1	17·02
	Goalpara	Dhubri	29·691	29·382	29·566	29·634	+·002	91·7	74·8	87·3	78·3	82·8	+·03	90	—3	7·6	+0·2	7·70
	Cachar	Silchar	29·718	29·400	29·598	29·654	—·018	99·1	73·8	91·2	77·1	84·2	+1·3	91	0	9·4	+1·0	21·81

* Mean of 30 days. | † Mean of 29 days.

Bengal for the month of August 1891.

DISTRICT OBSERVATIONS. Rainfall. Of month. Mean of district.	Of month. Normal mean.	Of month. Variation from mean.	Of month. Number of rainy days.	Of month. Normal mean number of rainy days.	Since 16th May 1891. Mean of district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Since 16th May 1891. Mean number of rainy days.	Since 16th May 1891. Normal mean number of rainy days.	Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
14·36	11·88	+2·48	16 50	15·66	27 14	34·20	−7·06	32 50	41·70	Pooree ..., Gopalpore ..., False Point ...	Pooree	ORISSA.
16·74	11·03	+5·71	18·60	13·16	31·94	34·93	−2·99	40·00	43·20	Cuttack ...	Cuttack	
16·20	11·41	+4·79	16·00	15·50	34·16	35·31	−1·15	41·33	44·36	Balasore ...	Balasore	
17·70	14·31	+3·39	19·33	17·00	43·42	41·69	+1·73	48·99	49 20	Saugor Island ..	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
18·52	13·93	+4·59	18·00	15·04	43·03	38 05	+4·98	44·34	44·29	Midnapore ...	Midnapore	
11·93	12·94	−1·01	16·80	17·46	31·92	37·76	−5·84	45·10	51·14	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.	
12·04	12 10	−0·06	16·33	15·40	38·56	34·09	+4·47	47·99	44·91	Burdwan ...	Burdwan	
14·61	13·73	+0 88	16 00	17·34	40·61	39·37	+1 24	45·00	50·83	Bankoora ...	Bankoora	
12·37	13·10	−0·73	16·75	16·77	36·65	38·05	−1·40	45·50	48·65	Ranigunge ...	West Burdwan and Beerbhoom.	
4·29	11·88	−7·59	11·17	15·58	30·77	34·97	−4·20	42 67	46·97	Berhampore ...	Moorshedabad	
7·96	12·03	−4·07	14·00	15·17	32·68	35·36	−2·68	46·40	47·00	Krishnagore ...	Nuddea	
7·00	11·96	−4·96	15·00	15·90	33·98	38·62	−4·64	50·01	51 37	Jessore ...	Jessore and Khoolna ...	
17·35	23·45	−6 10	17·00	19·60	75·27	89·11	−13 84	56 00	64·60	Chittagong ...	Chittagong	EAST BENGAL.
11·46	18·44	−6·98	15·00	22·15	57·34	60·55	−3·21	64·00	69·50	Demagri ...	Chittagong Hill Tracts	
11·11	15·61	−4·50	10·50	20·10	45·34	56·52	−11·18	57·25	64·04	Barrisal ...	Backergunge	
10·39	24·67	−14·28	20·00	22·12	57·10	70 79	−22·69	66·00	67·11	Noakholly ..	Noakholly	
5·84	12·06	−6·22	12 33	16·10	31·01	40·60	−9·59	46·66	52·15	Furreedpore ...	Furreedpore	
9·28	13·11	−3·83	16·00	17·43	42·80	44·37	−1·57	53·50	54·78	Dacca ...	Dacca	
8·47	15·97	−7·50	16 25	18·36	46·30	50·50	−4·20	54·00	58·17	Commillah ...	Tipperah	
11·93	13·88	−1·95	16·60	17·33	55·24	49·63	+5·61	58·20	56·26	Mymensingh ...	Mymensingh	
6·06	11·63	−5·57	11·00	15·12	31·62	41·66	−10·04	44·50	48·47	Bogra ...	Bogra	NORTH BENGAL.
5·94	12·00	−6·06	13·50	14·93	29·90	37·42	−7·52	46·50	48 07	Serajgunge ...	Pubna	
7·66	10·99	−3·33	9·33	15·70	35·90	37·27	−1·37	40·00	47·61	Rampore Beauleah.	Rajshahye	
3·20	12·02	−8·82	7·00	14 83	26·15	38·64	−12·49	35·00	45·62	Maldah ...	Maldah	
4·68	11·72	−7·04	7·40	16·07	36·14	41·58	−5·44	30·00	46·35	Dinagepore ...	Dinagepore	
3·96	12·07	−8·11	7·00	15·74	46·60	54·45	−7·85	46·25	52·87	Rungpore ...	Rungpore	
10 86	22·45	−11·59	13·00	17·45	59·38	82·74	−23·36	59 45	62·35	Julpigoree ...	Julpigoree and Cooch Behar.	
16·20	27·15	−10·95	19·75	22·08	64·97	97·90	−32·93	68·06	73 98	Darjeeling ...	Darjeeling Hill Tracts.	
6·09	13·68	−7·59	10·80	15·37	30 16	41·89	−11·73	41·40	44·41	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
6·69	10·08	−3·39	11·00	12·59	32·08	30·22	+1·86	38·83	35·32	Mozufferpore ...	Mozufferpore	
10·43	10·75	−0·32	11·33	13·28	34·30	31·65	+2·65	36 67	36·45	Durbhunga ...	Durbhunga	
5 95	11·94	−2·90	13·50	12 19	31·05	32·08	−1·33	41 50	34·62	Motihari ...	Chumparun	
6·68	10·29	−3·61	10·00	12·31	25·24	29·98	−4·74	28·66	34·97	Chupra ...	Sarun	
10·92	11·51	−0·59	15·20	13 23	19·34	28·94	−9·60	29·00	35·84	Dehree ..., Buxar ..., Arrah ...	Shahabad	SOUTH BEHAR.
9·67	11·73	−2·06	15·00	13·24	25·79	30·91	−5·12	33·75	35·47	Gya ...	Gya	
7·25	10·48	−3·23	11·25	12·43	30·73	30·02	+0·71	34·75	35·18	Bankipore ...	Patna	
9·60	11·06	−1·46	13·60	14·11	33·51	31·15	+2·36	39 20	40·42	Bhagulpore ...	South Bhagulpore and Monghyr.	
9·51	11·92	−2·41	14·75	16·04	34·36	36·06	−1·70	43·58	47·35	Naya Doomka...	Sonthal Pergunnahs ...	
11·49	13·58	−2·09	18·00	17·62	32·86	30·79	−3·93	44·20	49·68	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
14·52	13·69	+0·83	18·67	17·61	31·24	35·72	−4·48	40·33	48·70	Ranchee ...	Lohardugga	
10·27	13·20	−2·93	18·50	16 88	34·70	34·88	−0·18	47·50	48 01	Ranchee ...	Manbhoom	
17·30	13·83	+3 47	17·00	17·20	34·09	38 82	−4·73	42·00	49·37	Chyebassa ...	Singbhoom	
										Sibsagar... ..., Dhubri ... ..., Silchar	Assam ...	ASSAM.

Table of Rainfall recorded at stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ...	0·38	0·26	2·30	0·15	1·80	0·40	...	0·40	0 08	.	...	0·15	1 04	0·18	...	...	...	0·40	0·22	0·25
		Khurdah ...	0·10	0·09	2·55	0·16	0·91	1 05	0·01	..	...	0·22	0·11	0·29	1·79	0·16	0·06	...	...	0·25	2 87	3·03
		Banpur ...		1 60	0·24	0·37	...	0 85	...	0·23	...	...	...	0 05	1·40	0·02	0·12	...	...	0·60	..	0·05
		False Point ...	0·32	0·90	5·39	0·06	.	0·06	0·05	0·04	0·06	...	0·07	1·65	2·58	0·19	...	0·06	0·34	0·01	0·09	...
		Gop ...	...	...	3 07	0·71	0·30	0·40	1·50	1·30	...	...	...	0·70	3·80	...	...	...	0·98	0·30	0·21	0·25
		Satpara ...	...	...	1·88	0·30	0·14	0·33	0·25	0·28	0·12	...	...	...	0·70	0·13	...	...	0·24	1·83	0·05	...
		Pipli ...																				
	Cuttack ...	Jagatsingpore	1·15	2·72	1·90	...	0·90	0·10	...	0·10	...	...	0·26	0·43	1·71	0·07	...	...	0·39		0·73	0·07
		Banki ...	0·05	0·10	2·73	0·25	0·58	0·63	...	0·04	0·15	0·35	0 03	0·88	1·58	0·16	0·21	0·03	0·35	0·52	1·90	0·72
		Cuttack ...	...	0·70	3·30	0·03	0·85	0·02	0·03	0·02	...	0·65	0·01	2·25	2·00	0·35	...	...	1·20	0·38	0·38	0·07
		Kendrapara ...	0·02	0·23	6 21	0·57	0·18	0·01	0·05	0·15	0·01	0·00	0·05	1·77	2·08	0·61	0·06	...	0·08	0·74	0·86	1·21
		Jajpore ...	...	0·30	6·09	1·40	0·14	...	0·30	...	...	0·25	0·50	1·03	1·47	0·90	...	...	...	0·39	...	0 57
		Dharmsalla ...	0·20	5·15	2·15	...	...	2·70	...	0 12	..	0·45	0·48	1·90	1·85	...	...	...	...	...	...	...
		Salipore ...	...	...	4·92	2·20	1·26	0·40	...	0·14	0·10	...	...	2·20	2·18	0·82	0·05	...	...	...	1·75	...
	Balasore ...	*Akhoyapada* ..	0·62	0·27	4·40	0·30	0·19	...	0·10	...	...	...	0·48	0·86	1·59	0·02	0 02	...	0·03	0·15	...	1·85
		Chandbali ...	1·04	0·30	4·90	0·15	...	...	...	0·40	0·65	0·15	0·30	1·20	1·51	0·25	...	0·06	...	...	...	1·10
		Bhuddruck ...	...	0·40	5·30	0·73	...	...	0·82	0·03	...	...	0·21	1·67	1·80	0·79	...	...	0·60	...	0·85	...
		Sorab ...	...	2·00	0·60	...	0·10	0·90	0·80	...	...	...	2·20	2·30	4·10	0·50	...	1·00	0·20	...	...	0·70
		Balasore ...	...	0·53	0 86	0·21	0·03	...	0·97	1·09	...	...	0·33	4·18	4·87	0·84	...	...	0·28	0·09	0·02	
		Jellasore ...	0·06	0·08	0·18	...	...	0·22	0·13	0·01	...	...	1·25	2·70	2·10	0·72	...	...	1·80	0·73	0·25	0·80
		Baripodah ...	0·15	1·04	0·23	0·10	0·16	1·70	0·52	0·07	1·30	0·67	2 47	6·45	0·32	0·07	0·08	...	0·17	0·09	1·14	1·25
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	...	0·48	0·32	0·38	0·84	0·05	0·36	0·15	0·01	0·01	0 35	3·71	3·80	0·40	0·02	0·03	...	0·09	0·05	0·01
		Saugor Island	0·03	3·50	0·43	0·24	0·52	0·04	3·65	0·95	0·25	0·02	1·24	4·11	2·10	0·17	..	0·16	0·07	...	...	...
		Tumlook ...	...	1·20	0·70	0·25	...	...	...	2·00	0·90	0·20	0·50	3·10	4·80	0·37	0·07	0·03	0·20	0·93	...	0·04
		Midnapore ...	...	1·15	0·21	0·08	...	1·62	0 20	1·24	0·45	1·40	0·03	2·70	8·00	0·92	...	...	0·41	0·05	...	...
		Ghatal ...	0·01	1·55	0·19	0·22	0·09	0·28	...	0·70	0·66	1·04	2·02	1·72	3·00	2·00	0·01	0·02	..	0·10	...	0·79
		Kukrahaty ...	...	0·78	0·55	...	0·04	0·09	0·10	0·80	0·09	0·70	0 45	3·11	4 63	0·10	...	...	1·03	...	...	...
		Garbeta ...	...	0·60	0·70	0·05	0·16	...	0·10	1·14	0·85	0·14	0·20	2·12	3·80	0·75	...	...	0·50	0·55	...	...
	24-Pergunnahs	Diamond Harbour.	0·22	1·70	0·62	0·03	1·90	0·21	0 16	1·08	0·35	1·60	1·40	2·02	4·35	0·18	0·08	...	0·16	0·17	...	...
		Canning Town	0·06	0·95	0·15	0·02	1·04	0·10	0·30	0·60	0·30	1·81	1·10	1·87	0·74	0·06	...	...	0 21	0·10	...	...
		Alipore Jail ...	0·01	0·75	0·19	0·17	0·19	0·22	0·27	0·79	0·26	1·69	0·73	2·91	2·22	0·13	...	0·04	0·04	0·15	0·06	0·12
		Barrackpore...	...	0·15	0·10	...	0·47	0·25	0·05	0·56	0·38	1·03	0·99	2·40	1·54	...	...	...	2·55	..	..	...
		Dum-Dum ...	...	0·65	0·23	...	0 10	...	0·30	0·79	0·11	0·46	0·93	2·35	1·41	...	...	...	0·76	0·06	2·66	...
		Baraset ...	...	0 82	0·05	...	0·37	0·75	0·66	0·15	1·15	0·71	1·75	1·73	1 62	0·11	...	...	1·85	...	0·08	0·30
		Buseerhat ..	...	...	0·85	...	...	1·07	...	0·31	...	0·43	...	4·35	...	0·30	0·05	0·12	...	1·39	0·08	...
	Howrah ...	Howrah ...	0·01	0·68	0·09	0·05	0·10	0·15	0·63	0·93	0·25	0·35	0·72	2·51	2·06	0·05	...	..	0·43	...	0·05	...
		Mohesreka ... (*Oolooberiah*).	0·52	1·25	...	0·03	...	0·40	0·01	1·03	0·03	0 34	2·82	1·52	1·50	0·30	0·22	0·03	...	...	...	...
	Hooghly ...	Serampore ...	...	0·32	0·12	...	0·61	0·18	0·19	0 58	0·83	0·93	0·88	2·60	1·72	0·02	...	..	2·70	...	0·02	...
		Hooghly ...	...	0·22	0·19	...	0·10	0·36	0·11	0·72	0·92	0·05	0·80	0·74	1·13	0·52	0·05	...	1·62	0·37	...	0·02
		Jehanabad ...	0·06	2 95	0·08	0·12	0·06	0·21	...	2·09	0·68	...	0·30	1·74	0·96	0·56	...	...	0·12	0·10	...	...
	Burdwan ...	Culna ..	...	0·98	0·03	...	0·18	...	1·02	0·81	...	0·02	2·96	0·60	0·57	0·76	0·09	0·15	...	0 42	...	...
		Burdwan ...	0·01	1·75	0·10	0·01	0·05	...	0·07	0·90	0·57	0·01	1·01	5·25	0·35	0·49	0·05	0 15	0·22	1·53	...	0·03
		Cutwa ...	...	0·40		0·04	...	0·20	0·49	1·10	0·79	...	1·04	0·15	0·90	0·45	0·16	...	1·08	...	...	...
		Raneegunge...	...	1·04	0·23	0·05	0·06	...	0·04	2·46	0·70	...	0·46	0·75	3·35	2·50	...	0·15	0 58	...	0·04	.
		Mankur ...	0·10	4·70	...	...	0·56	1·57	0·12	2·34	0·39	...	2·17	3·00	1·43	0·54	...	...	...	...	...	0·16
	Bankoora ...	Bankoora ...	...	3·26	0·23	0·01	0·44	0·09	0·01	0·43	0·53	0·06	1·32	0·40	2·62	1·57	0 04	0·01	0·84	...	0·26	0·02
		Bishenpore ...	...	2·13	...	...	...	0·13	0·21	3·19	1·19	...	0·35	0·75	4·13	1·44	0·13	...	0·45	0·00	0·29	1·31
		Maliara ...	...	2·05	...	0·08	...	0·27	0·25	1·27	0 20	0·14	0·62	1·52	2·15	3·37	0·02	...	0·12	0·16	...	0·02
		Khatra ...	...	..	0·99	...	0·29	...	...	0·45	0·44	...	...	0·92	2·82	0·85	0·18	0·20	2·82	.	...	0·25
		Indas ...	...	3 62	0 08	...	0·23	...	...	1·40	0·11	...	0·42	0·95	1·81	0·60	0·12	...	0·21	0·30	0·06	...
		Kotalpore ...	...	3·20	0·15	...	...	0·30	...	1·90	0·26	0·40	0·19	2·77	2·82	2·27	...	...	0·32	...	..	0·12
		Anda ...	...	3·17	...	...	1 32	0 22	0·12	...	1·00	2·70	0·23	3·00	4·60	0·12	...	2·57	0·04	...	0 02	0·52
		Gangajalghati	...	3·00	...	...	...	...	0 27	0·29	0·54	2·27	0·37	0·74	2·73	1·13	...	...	0·31	...	...	.
		Raipore ...	...	0·40	0·15	0·15	...	0·34	..	0·42	0·92	...	0 15	0·54	5·95	0·38	0·47	1·15	4·15	...	...	0·45
		Sonamukhi ...	..	2 35	0·18	0 11	0·27	0 42	0·47	0·94	0·56	...	1·98	1·00	2·37	1·83	...	...	2·03	0·24	...	0·41
	Beerbhoom ...	Bh. Soory ...	0·66	0·46	0·01	0·16	0·12	0·83	0·91	0·87	0·88	0·03	0·60	2·90	0·19	0·20	0·10	0·08	0·10	1·74	0·87	0·64
		Hetampore ..	0·03	1·41	...	0·17	...	0·13	0·15	0·45	0·77	0 11	1·73	1·07	1·01	0·80	0·03	0·01	0·17	0 27	1·47	0·13
		Rampore Haut	...	...	...	0·45	...	0·97	0·06	0·74	0·71	0·01	0·72	0·44	0·08	0·05	0·08	0·07	0·61	1·61	...	0·01
		Bolpur ...	0·42	3·50	...	..	0·47	...	0·90	1·50	0·54	...	2·18	3·45	0·05	0·42	...	...	0·21	...	0·70	...
		Murarai ...	...	0·58	..	...	...	...	...	0·34	0·55	0·45	...	0·35	0·62	...	...	...	...	...	0·21	...
	Nuddea ...	Ranaghat .	...	2·80	0·08	0·03	0·03	0·03	0·13	0·06	0·37	0·00	1·93	0·33	1·54	0·14	0·23	0·06	0·02	0·82	0·01	0·14
		Kishnaghur...	...	..	0·01	...	...	0·33	0·21	0·18	0·29	...	1·04	0·72	0·06	0 33	0·58	0·03	0 06	0·44	...	...
		Chooadanga	..	0·46	0·03	0·28	0·12	0·02	0 74	0·20	3·04	0·42	1·83	0·17	0·10	0·11	0·82	1·02	0·32	0·17	..	.
		Meherpore ..	0·04	0·02	...	0·06	..	...	0·18	0·55	1·22	...	1·58	0·10	0·05	0·30	0·30	0·28	0·08	0·12	..	0·30
		Kooshtea .	...	...	..	0·06	0·07	...	0·19	0·20	0·35	0·32	0 82	0·37	...	0·15	0·20	0·19	...	2·34	0·26	0·08
	Khoolna .	Satkhira ...	...	0·20	0·28	0·05	0·07	0·08	0·30	1·40	1·06	0·39	0·30	1·10	0·57	0 02	0·13	0·04	0·16	0·45	0·48	0·02
		Bagirhat ..	..	0 29	...	...	...	...	0·18	0·58	0·55	0·85	1·05	1·58	0·09	0·12	0·21	...	...	1·78	0·21	0·25
		Khoolna ..	..	0 37	..	0·14	0·13	0·09	...	0·39	0·48	0·51	0·55	1·73	0·19	...	0·30	...	0·10	0·23	0·26	0·77
		Nakipur ...	...	..	0·60	...	...	...	..	...	...	1 40	0·69	2·02	...	...	0·21					
		Rampal ...	...	...	...	1·00	...	0·20	2·00	...	0·30	0·20	1·72	1·35	...	...	...	...	...	0·35	1·50	...
	Jessore ...	Narail ...	...	...	0·07	...	0·35	0·30	0·12	0·11	...	0·12	0·66	0·38	0·25	0·03	0·58	...	0·31	0·42	0·03	...
		Jessore ...	...	1·10	0 06	0·06	0·02	0·25	0·26	0·32	0·08	..	2·63	0·45	1·39	0·12	0·41	0·03	0·12	0·02	0·08	...
		Jhenidah ..	...	.	0·11	...	...	0·36	0·09	0 12	0·35	0·29	0·71	0·47	0·12	..	0·38	0·03	...	0·06	0·19	...
		Magoorah	...	0·52	...	0·10		0 23	0 06	0·12	0·07	0·24	0·42	0·05	0 17	0·07	0·33	0·28	...	.	...	0·05
		Bongong ..	...	...	0·15	...	0·65	0·15	...	0·75	0·95	0·15	1·65	1·15	0·55	...	0·20	0·15	1·12	0·45	...	...
	Moorshedabad	Kandi ...	...	...	...	0 28	...	0·10	0·25	0·60	0·55	...	1·10	...	0·22	...	0·20	...	0·94	...	...	...
		Berhampore...	..	...	...	0·21	0·06	0·03	0·77	0·43	0·70	0·02	0·35	0·16	0·59	0·13	...	...	0·90	...	...	...
		Lalbagh ...	0·04	...	...	...	0·15	0·18	0·23	0·59	0·33	0·06	0·12	0·21	0·66	0·22	...	...	...	...	...	...
		Azimgunge ..	...	...	...	0·15	0·20	...	0·15	0·50	0·18	0·75	0·10	0·25	0·50	0·02	0·05	...	0·10	...	...	0·18
		Jungipore ...	...	...	...	0·09	0 15	0·06	0·19	0·57	1·34	0·29	...	...	0·00	0·23	0·02	...	0·34	..	...	...
		Lalgola	...	...	...	...	0·10	...	0·25	0·50	0·85	0·25	0·50	0·30	...	0·05	0·15	0·45	...	..	...	...
		Akhriganj ...	...	...	...	...	0 21	..	0·75	0·42	1·06	1·24	...	...	0·07	0·11	0·37	0·25	1·72	0·17	...	...
		Patkabari ...	...	...	...	...	...	...	1·00	0·35	...	2·60	...	0·35	0·15	...	...	1·35	...	...	...	0·45
EAST BENGAL	Chittagong ...	Cox's Bazar ...	...	0·59	0·10	0·36	0·80	0·85	...	0·50	3·15	5·40	4·30	3·60	0·90	0·63	...	...	0·40	0·37	0·06	0·40
		Chittagong .	0·25	1·05	...	..	0·20	...	...	0·02	1·03	2·10	1·00	2·05	0·38	...	0·03	...	...	...	...	0·10
		Kutubdia ..	0·03	0·05	...	0·03	0·37	0·40	...	0·47	3·01	2·57	1·59	3·11	0·67	...	...	...	0·08	0·22	...	0·02
		Satkanya ...	0·34	...	...	...	0·63	0 17	0·16	...	3·65	1·70	1·15	2·60	0·52	0·06	0·08	...	...	0·34	...	0·87
	Chittagong Hill Tracts.	Rangamati ...	...	0·89	0·03	0 20	0·96	0·07	0·30	0·44	0·26	0·09	0·21	1·00	0·09	...	...	...	...	...	0·21	0·15
		Bandarban	0·20	0·32	...	0·55	0 09	..	0·27	0·09	0·37	0 53	0·45	0·91	...	...	...	...	...	..	...	1·76

in Bengal in August 1891.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st August 1891.	Average rainfall from 16th May to 31st August.	Station.	District.	Meteorological division.
0·10	1·05	3·75	0·45	0·05	0·35	0·20	...	...	0·30	...	20	13·25	14·26	9·24	3·75	22·48	29·07	Pooree ...	Pooree	ORISSA.
...	0·12	0·87	...	0·73	0·51	0·04	...	...	...	0·31	18	17·25	16·23	12·43	3·03	28·67	36·82	Khurdah.		
0·75	0·35	0·17	1·09	0·9[illegible]	...	...	0·52	...	...	0·30	15	15·09	9·54	12·11	1·60	20·02	31·75	Banpur.		
...	0·08	0·34	2·35	1·11	0·23	1·01	0·43	...	...	...	13	17·05	17·41	13·72	5·30	36·48	39·13	False Point.		
...	0·28	1·30	1·30	0·80	0·10	...	...	0·40				?		?			?	*Gop.*		
...	0·33	0·48	0·12	...	0·96	0·07	...	...	...	0·20	16	?	8·91	?	1·88	18 37	?	*Satpara.*		
												?		?			?	*Pipli.*		
...	0·40	1·20	0·70	0·70	0·90	...	0·25	...	0·20	0·15	19	13·50	15·12	10·12	2·72	20·40	29·79	Jagatsingpore.	Cuttack.	
0·89	0·17	0·20	0·40	0·42	0·46	...	...	0·05	...	0·22	22	15·72	14·07	10·71	2·73	26·81	34·25	Banki.		
1·59	3·00	0·44	0·78	0·22	0·35	...	...	...	...	0·57	18	16·00	19·99	11·08	3·30	37·33	39·76	Cuttack.		
0·23	0·60	0·25	0·88	0·18	0·16	...	0·02	0·02	...	...	17	15·68	17·27	12·56	[illegible]·21	31·66	35·08	Kondrapara.		
...	0·35	...	1·04	1·70	0·46	...	...	0·07	...	0·30	17	14·89	17·26	10·70	6·00	37·51	36·18	Jajpore.		
...	...	1·50	0·23	0·26	...	0·20	...	...	0·22	0·30	15	?	17·71	?	5·15	36·74	?	*Dharmsala.*		
...	...	0·16	3·08	0·55	0·28	...	...	...	...	...	14	?	20·04	?	4·92	36·31	?	*Salipore.*		
0·19	0·40	0·12	1·36	2·21	0·91	0·15	0·15	...	...	0·07	20	?	17·52	?	4·40	35·33	?	Akhoyapada .	Balasore.	
1·06	0·20	0·07	0·28	...	0·57	0·08	0·50	...	...	0·06	17	14·83	15·03	11·06	4·90	37·88	34·09	Chandbali.		
...	...	0·59	0·53	2·37	0·65	...	...	...	...	...	14	14·40	17·34	10·66	5·30	37·48	31·66	Bhuddruck.		
0·10	0·90	0·20	...	...	...	...	...	...	...	...	15	15 65	16·50	11·03	4·10	33·40	33·13	Sorah.		
...	0·30	...	0·17	0·37	0·27	0·07	...	...	...	0·04	14	16 70	15·42	12·42	4·87	33 02	37·75	Balasore.		
...	0·21	0·09	...	0·50	0·40	...	...	...	...	0·14	15	13·76	12·37	10·82	2·70	31·30	35·63	Jellasore.		
0·16	0·08	0·20	0·60	...	1·21	...	0·08	...	0·10	0·15	21	17·64	20·51	12·46	6·45	41·02	37·58	Baripodah.		
...	0·23	0·37	1·14	0·90	0·28	0·21	0·01	...	...	0·05	16	15·65	14·84	13·60	3·80	32·76	40·24	Contai ...	Midnapore ...	SOUTH-WEST BENGAL.
...	...	0·26	1·33	0·05	0·10	0·48	0·55	...	...	0·28	19	17·15	21·07	15·06	4·11	51·86	43·98	Saugor Island.		
...	...	0·15	0·80	...	0·20	0·50	...	...	0·05	0·14	17	13·21	17·10	13·80	4·80	43·80	37 24	Tumlook.		
0·09	...	0·26	0·85	...	...	0·35	...	...	...	1·09	16	16·35	21·09	12·53	8·00	39·60	35·58	Midnapore.		
0·23	0·23	0·83	0·32	0·20	0·13	0·31	...	0·28	...	0·40	22	15·57	17·36	15·46	3·00	45·58	41·08	Ghatal.		
...	...	0·64	0·11	..	0·59	0·34	...	0·10	...	0·29	16	?	14·54	?	4·63	30·30	?	*Kukrahaty.*		
0·45	...	0·20	1·35	0·05	0·45	0·40	...	...	...	...	18	?	14·76	?	3·80	39·14	?	*Garbeta.*		
0·13	0·30	0·13	0·06	0·20	0·16	0·16	0·02	0·13	...	0·11	23	18·20	17·68	14·17	4·35	45·61	40·81	Diamond Harbour.	24-Pergunnahs	
1·10	0·25	0·04	0·26	0·08	0·03	0·11	0·15	0·02	...	..	18	?	11·47	?	1·87	30·30	?	*Canning Town.*		
0·01	...	0·48	0·42	0·20	..	0·56	0·04	...	0·06	0·03	20	18·40	13·62	13·51	2·91	31·26	39·68	Alipore Jail.		
...	0·28	0·08	...	0·30	0·12	0·18	...	...	...	...	15	16·35	11·52	12·07	2·55	34·00	36·90	Barrackpore.		
...	0·20	0·05	...	0·08	0·27	0·28	...	...	...	0·53	17	17·55	12·82	12·69	2·64	28·15	37·27	Dum-Dum.		
0·66	0·10	0·12	0·14	0·06	0·15	0·06	0·02	...	...	0·11	18	17·00	12·92	11·94	1·85	35·20	35·04	Barasat.		
...	...	...	0 77	0·17	...	...	...	...	...	1·11	11	17·15	9·89	13·08	4·35	32·04	40·27	Buseerhat.		
0·01	0·57	0·24	...	0·17	0·27	0·37	...	...	0·05	...	16	18·05	10·74	12·21	2·51	28·27	36 77	Howrah ...	Howrah.	
0·04	0·10	0·15	0·20	0·05	0·30	0·60	0·03	...	...	1·13	16	18·27	12·10	13·57	2·32	31·90	38·56	Mohesreka (*Ooloobariah*)		
0·05	0·23	...	0·07	0·50	0·14	0·54	0·13	...	...	...	17	18·26	13·36	12·34	2·70	32·28	38·87	Serampore ...	Hooghly.	
0·25	...	0·10	0·01	0·68	...	0·50	...	...	0·08	0·50	18	16·60	10·10	11·91	1·62	31·68	38·74	Hooghly.		
0·54	0·19	0·11	0·12	0·11	0·08	0·19	0·15	0·15	...	0·59	20	17·00	12·26	16·03	2·95	36·26	40·34	Jehanabad.		
0·34	0·43	0·16	0·35	1·98	...	0·07	0·04	...	...	0·55	16	13·30	12·72	11·48	2·96	37 60	32·64	Culna ..	Burdwan.	
...	0·48	0·53	0·35	0·15	0·23	0·23	0·19	...	...	0·08	18	17·46	15·54	12·80	5·25	48·19	35·03	Burdwan.		
0·24	0·03	0·18	0·11	...	0·39	0·09	...	...	0·02	...	15	15·45	7·86	12·03	1·10	34 90	34·61	Cutwa.		
0·43	0·10	0·11	0·18	0·05	0·09	0·11	...	...	...	...	15	16·85	13·45	13·60	3·35	38·56	37·70	Raneegunge.		
...	...	...	...	0·32	0·34	0·15	0·35	...	...	...	16	?	18·24	?	4·70	43·54	?	*Mankur.*		
0·58	0·08	0·63	0·01	0 11	0·05	0·05	0·04	...	...	...	14	17·70	13·08	14·35	3·26	37·01	38·31	Bankoora	Bankoora.	
0·51	...	0·11	0·92	...	...	.	...	...	...	0·59	17	16·80	17·92	14·02	4·13	46·37	38·80	Bishenpore.		
0·95	0·20	0·11	0·03	0·32	0·10	0·30	...	...	...	..	18	16·60	14·25	13·26	3·37	45·18	39·67	Maliara.		
...	0·48	...	0·08	...	0·50	0·70	..	..	...	...	15	18·25	12·57	13 27	2·82	34·23	41·05	Khatra.		
0·04	0·08	0·57	0 27	...	0·06	0·11	0·44	0·81	...	...	16	?	12·38	?	3·63	30·27	?	Indas.		
0·92	0·15	0·82	0·07	...	.	0·70	0·50	0·10	...	...	18	?	17·96	?	3·20	42·04	?	Kotalpore.		
0·02	...	0 44	0 15	...	0·17	0·35	...	...	...	0·04	16	?	2[illegible]·80	?	4·60	30·54	?	Anda.		
0·46	0·33	0·40	0·14	0·20	...	0·21	...	...	...	...	16	?	11·30	?	3·00	41 2[illegible]	?	Gangajalghati.		
0·84	0·58	0·20	0·45	...	0·59	0·12	...	...	...	0 67	21	?	19·07	?	5·95	50·59	?	*Raipore.*		
0·67	0·22	0·49	...	0·46	0·15	0·10	...	...	...	...	21	?	17·24	?	2·37	45 25	?	*Sonamukhi.*		
0·05	1·12	...	0·09	0·38	0·30	0·08	0·01	...	...	0·02	20	17·95	14·35	13·05	2·90	40·04	38·08	Bh. Soory	Beerbhoom.	
0·13	0·05	0·55	0·35	0·47	0·57	0·03	0·01	...	...	...	20	15·80	12·76	12·44	1·73	37·07	40·32	Hetampore.		
...	1·35	0 23	0·05	0·34	0·18	0·06	0 02	...	...	...	12	10·47	8·92	12·72	1·61	30·89	35·02	Rampore Haut		
0·05	0·28	0·80	0·05	0·30	..	...	...	...	...	...	15	?	16 42	?	3·50	40·31	?	*Bolpur.*		
...	...	...	...	0·62	0·15	...	...	...	...	...	9	?	3·85	?	0·02	29 84	?	*Murarai.*		
...	0·07	0·04	0·01	1·11	0·34	0·07	0 08	...	...	0·47	13	15·16	11·05	12·56	2·80	31·58	35·09	Rangahat ...	Nuddea.	
...	...	0·03	0·09	0·11	0·05	0·16	0·03	...	...	0·34	12	14·40	5·09	11·23	1·04	33·39	32·72	Kishnaghur.		
0·09	...	...	0·07	...	...	0·05	...	...	...	0·20	16	14·75	10·35	12·11	3·04	34·68	35 90	Choodanga.		
0·10	0·03	...	...	0·08	..	0·16	...	...	...	0·15	14	15·00	6·25	12·31	1·58	33·00	35·03	Meherpore.		
...	...	...	0·32	...	0·29	0·20	...	...	...	0·68	15	16·61	7·08	11·96	2·34	20·30	38·10	Kooshtea.		
...	...	...	0·12	0·14	0·60	0·02	...	...	...	...	16	16·80	8·04	12·41	1·40	35·04	40·26	Satkhira .	Khoolna.	
...	...	...	0·33	...	..	0·17	0 24	..	...	...	15	16·84	8·48	12·17	1·78	42 11	44·66	Bagirhat.		
...	0·08	0·14	0 09	0·02	0·43	0·01	...	...	...	0·10	18	17·21	7·77	12 17	1·73	29·66	39 23	Khoolna.		
		...	0·48	...	...	1·40		...	...			?		?			?	*Nakipur.*		
0·50	...	...	...	...	...	1·30	0 30	...	...	...	12	?	10·72	?	2·00	30·63	?	*Rampal.*		
...	0·06	0·03	...	...	0·34	0·07	...	...	...	0·42	13	13·74	4·05	10·64	0·66	29·30	33 65	Narail ..	Jessore.	
0·23	0·06	0·15	0·24	...	0·42	0·02	...	...	...	0·50	15	17 60	9 02	12·38	2·63	35·89	30 85	Jessore.		
...	...	0·42	0 21	...	...	...	...	...	...	0·36	13	13 32	4·18	12 72	0·71	3[illegible]·48	38·52	Jhenidah.		
0·04	0·25	0·09	...	...	...	...	...	...	...	0·17	11	14·26	3·26	9·83	0·52	32·84	35 76	Magoorah.		
...	0·10	0·15	...	1·45	0·45	0·30	...	...	...	0·40	19	14·40	10·62	12 98	1·45	35·50	36·99	Bongong.		
...	0·05	...	...	...	...	0·42	...	...	...	0·35	11	[illegible]·03	5·01	11·53	1·10	27·85	30·07	Kandi ...	Moorshedabad.	
...	...	0·02	0·04	0·01	0·45	0·39	...	...	...	..	11	[illegible]·35	5·30	12·18	0·90	29·81	34·92	Berhampore.		
0·04	...	0·52	0 04	...	0·06	...	...	...	...	...	10	[illegible] 15	3 45	12·28	0 66	31·19	34·06	Lalbagh.		
0·25	...	0·10	0·11	...	..	0·50	...	...	...	...	15	[illegible]·83	4·09	12·70	0 75	27·58	35·78	Azimgunge.		
...	...	0·02	...	...	0·22	...	0·25	...	...	0·23	10	14·84	4·06	11·58	1·34	32 72	34·29	Jungipore.		
...	...	...	...	...	...	...	0·40	...	...	...	10	14·35	3·80	11·02	0·85	35·54	33·25	Lalgola.		
0·09	0·30	0·06	0·03	0·32	...	...	0·05	...	...	...	11	?	6 92	?	1·72	34·63	?	*Akhrigunj.*		
...		..	...	0·20	...	...	...	...	...	...	9	?	6·75	?	2·00	34·00	?	*Patkabari.*		
...	0·15	0·10	0·15	0·01	0·20	.	0·02	0·08	0·20	0·92	21	20·05	24·21	27·13	5·40	88·65	106·76	Cox's Bazar ...	Chittagong ..	EAST BENGAL.
...	...	...	0·35	...	1·07	0·11	0·08	...	...	0·08	13	19·15	10·48	19·77	2·10	61·84	71·14	Chittagong.		
...	...	...	...	...	...	...	...	0·09	...	0·78	11	?	14·45	?	3·11	84 22	?	*Kutubdia.*		
0·09	...	...	0 02	0·31	0·40	0·30	0·28	0·04	...	0·26	16	?	14·10	?	3·65	83 69	?	*Satkanya.*		
...	0·03	...	0·24	0·06	1·11	...	1·05	2·01	...	0·07	15	22·15	11 40	18·44	2·91	57 34	60·55	Rangamati ...	Chittagong Hill Tracts.	
0·28	...	...	...	0·46	1·04	0·40	0·90	0·09	...	...	14	?	8·51	?	1·73	89·94	?	*Bandarban* ...		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL —concld.	Backergunge...	Patuakhally ..	..	0·15	0·30	...	0·10	...	0·40	0·27	2·00	1·40	2·25	3·60	1·47	0·12	...	...	..	0·55	0·42	0·10
		Perozepore ...	..	1·79	0·08	..	0·35	...	0·37	0·19	3·18	0·10	0·54	1·18	0·70	0·14	0·39	...	0·22	0·11	1·05	...
		Burrisal ...	.	0·16	0·09	0·20	..	0·22	0·76	0·14	0·44	0·09	0·59	0·04	0·45	0·15	0·36	0·06	0·27	0·64	0·22	...
		Bhola ...	0·80	..	0·31	..	0·52	0·31	0·47	0·15	0·78	0·13	0·60	0·57	0·19	0·20	0·05	0·55	0·19	0·85	1·51	0·12
		Gournaddi .	0·35	0·77	0·21	...	0·10	0·62	0·48	0·42	1·26	1·22	1·57	0·48	0·18	0·15	0·05	...	...	1·28	0·89	...
		Bauphal ...	..	...	...	...	...	...	0·71	0·60	1·20	0·32	0·70	0·55	0·33	0·09	...	...	...	0·80	...	0·62
	Noakholly ...	Noakholly ...	1·29	0·12	...	0·11	0·30	0·54	0·14	0·38	2·84	0·33	2·79	0·25	0·32	0·49	0·06	...	0·23	0·14	0·40	0·24
		Feniy ...	0·15	0·59	...	...	0·20	...	..	0·60	1·93	1·00	0·35	0·45	0·42	...	...	0·10	...	0·43	0·60	...
		Harishpore ...	...	..	...	...	1·05	..	0·45	1·65	3·20	0·16	0·85	0·55	0·31	...	0·60	...	1·05	...	0·15	...
		Ramganj ...	...	0·21	...	...	0·34	0·15	0·13	0·28	2·85	0·34	2·13	0·86	0·43	0·24	0·11	...	0·52	1·50	0·27	...
	Furreedpore...	Madaripore ...	...	...	0·32	...	...	0·25	0·18	0·22	0·50	0·45	0·65	0·27	0·06	0·28	...	...	...	2·31	0·87	...
		Furreedpore ..	...	...	...	...	...	...	0·45	0·30	0·84	1·90	0·57	0·24	0·04	0·03	0·30	...	...	0·61	0·07	0·37
		Goalundo ...	..	0·11	...	...	0·17	0·11	...	0·10	0·75	0·14	0·60	0·02	0·14	0·14	0·43	0·02	...	0·11	...	...
	Dacca ...	Munshigunge	...	0·95	...	...	0·13	0·29	0·10	0·56	2·64	0·14	0·89	0·12	0·18	0·12	0·20	...	...	0·60	1·33	0·10
		Dacca .	...	0·37	...	...	0·50	0·23	..	0·03	2·04	0·32	0·70	0·35	0·31	0·36	0·04	...	...	1·45	2·35	0·50
		Naraingunge	...	1·03	...	...	0·16	0·41	...	...	3·25	0·22	1·54	0·19	0·25	0·22	0·19	0·24	0·08	1·57	2·22	...
		Manickgunge	...	0·09	...	0·04		0·06	0·19	0·56	0·24	0·26	0·98	0·44	0·09	0·13	0·51	0·10	0·08	0·40	0·96	0·23
		Joydebpore ...	...	0·04	...	0·02	0·03	0·02	...	0·10	2·34	0·48	1·60	0·13	0·17	0·05	0·31	0·22	0·04	1·57	0·43	0·18
	Hill Tipperah	Agartola ...	0·20	0·30	...	...	0·20	0·50	0·10	0·20	...	0·40	0·20	...	0·10	...	0·29	...	0·30	...	0·10	0·20
	Tipperah ...	Comilla ...	...	...	...	...	...	...	...	0·53	1·63	0·30	1·00	0·40	0·15	0·06	...	...	0·95	0·80	0·45	...
		Chandpore ...	...	1·15	...	...	...	0·25	0·78	...	1·70	0·75	3·70	0·10	0·22	0·40	0·35	...	0·15	1·10	1·20	...
		Brahmunberia	...	0·65	...	...	...	...	...	0·30	0·48	...	...	0·34	...	...	..	...	0·48	0·65	0·24	0·35
		Ramchandrapore.	...	0·58	...	...	...	...	...	...	0·45	0·92	0·51	0·21	0·15	...	...	...	0·42	0·72	0·43	...
		Nasirnagar ..	...	...	0·40	...	...	...	...	...	0·28	...	...	...	...	...	0·24	...	...	...	...	...
		Daudkandi ...	0·40	0·52	...	...	...	...	...	...	0·55	0·41	1·95	0·45	0·30	...	...	..	...	1·43	...	...
		Kasba ...	..	1·76	...	...	0·02	0·31	0·90	0·22	0·71	0·25	0·19	0·08	0·11	0·04	0·06	...	0·13	0·63	0·53	0·14
		Laksham ...	...	...	...	...	1·05	...	...	0·25	2·45	...	...	0·75	...	...	0·40	...	...	1·00	0·50	...
	Mymensingh..	Kishoregunge	...	...	0·50	...	0·46	0·19	0·33	0·36	0·64	...	...	0·20	0·09	...	0·10	...	0·21	1·77	1·92	0·85
		Atia (*Tangail*)	...	...	..	...	0·43	...	...	...	0·27	0·24	0·62	0·14	0·21	...	0·07	...	...	0·41	0·19	0·11
		Mymensingh	..	...	0·22	...	0·20	0·08	...	0·42	0·28	0·45	0·21	0·06	0·11	...	0·06	0·17	0·06	0·13	2·10	1·46
		Jamalpore ...	...	...	..	...	0·12	0·15	...	1·03	0·30	1·63	1·70	0·21	0·03	0·06	...	0·30	0·15	1·79	...	4·49
		Netrokona ...	...	...	0·75	...	0·94	0·32	0·15	0·26	0·94	0·19	0·73	0·76	0·13	0·15	...	...	0·23	0·31	3·13	0·59
		Subornakhally	...	...	..	...	0·42	...	...	...	0·36	..	1·03	...	0·32	...	0·20	...	...	...	5·30	0·57
		Durgapore ...	...	...	0·25	...	0·70	...	0·50	1·30	...	2·80	1·11	...	0·45	...	0·30	0·20	1·30	0·26	2·82	0·50
		Sherpore Town	...	...	...	...	...	0·27	...	1·24	...	3·65	2·50	...	...	...	0·28	...	...	0·68	0·59	2·80
		Dewanganj ...	...	...	...	...	...	...	1·61	0·26	6·26	...	...	...	...	...	0·57	...	0·23	1·60	0·21	...
NORTH BENGAL	Pubna ...	Pubna ...	...	...	0·04	0·03	0·06	...	0·06	0·52	0·30	0·16	0·12	0·65	0·27	0·17	0·07	0·10	0·05	0·11	0·19	0·31
		Serajgunge ..	...	...	...	...	0·16	...	...	0·10	0·26	...	1·07	0·04	0·18	0·13	0·23	0·26	...	0·37	2·09	1·06
	Bogra ...	Sherpore ...	..	...	...	...	0·39	...	...	0·02	...	0·67	0·09	...	0·22	0·30	0·51	0·88	...	...	1·31	...
		Nowkhilla ...	...	...	...	...	0·29	0·37	0·17	0·07	0·37	0·23	0·07	0·18	0·04	0·02	0·18	0·20	...	0·49	1·42	0·06
		Bogra ...	...	...	...	...	0·19	...	..	0·18	0·12	0·60	0·04	...	0·20	...	1·10	0·62	0·14	0·50	0·95	...
		Panchbibi ...	...	...	...	...	...	...	0·23	0·40	0·15	3·52	0·04	...	0·19	...	0·14	0·06	0·10	2·82	0·61	...
	Rajshahye ...	Beauleah ...	...	...	...	0·03	0·05	0·17	0·08	0·36	0·49	0·02	0·02	...	...	0·09	0·29	0·66	1·79	1·19	...	0·55
		Nattore ...	...	...	...	...	0·06	...	...	0·64	2·90	0·30	...	...	0·22	0·47	0·95	...	...	3·25	0·20	2·57
		Naogaon ...	...	...	...	..	...	...	...	0·30	...	1·72	0·28	0·14	0·19	0·50	...	...	0·46	0·07	...	0·28
		Lalpore ...	...	...	...	...	...	0·10	0·90	1·20	...	0·36	0·46	0·40	0·60	0·50	...	...	...	2·50	2·92	...
		Manda ...	...	...	...	0·30	...	...	0·20	0·50	0·60	...	...	0·36	0·38	...	...	...	...	...	0·35	...
	Maldah ...	Maldah ...	...	..	...	...	...	0·12	...	0·71	0·30	0·22	...	0·03	0·05	0·44	0·18	...	...	...	0·06	0·01
		Chanchal ...	..	...	...	...	...	0·35	0·10	0·37	0·77	0·10	...	...	0·07	...	0·17	...	...	...	...	0·98
		Gajol ...	-	...	..	...	...	...	...	0·20	0·40	0·85	...	...	0·52	0·06	0·02	...	...	...	1·18	0·10
		Sibganj ...	...	0·06	...	...	0·09	...	...	0·43	0·60	0·54	1·65	...	0·24	0·12	0·11	...	...	...	0·65	...
	Dinagepore ...	Mohadebpore	...	...	...	...	..	...	...	0·35	0·70	1·65	...	...	0·29	0·07	0·17	...	...	...	1·15	0·20
		Churamon ...	0·04	...	...	...	0·01	0·14	...	0·21	0·11	0·25	0·51	...	...	...	0·24	...	...	1·79	0·16	1·17
		Raigunge ...	...	...	...	...	...	...	...	...	2·74	...	0·35	...	...	...	...	...	...	...	0·62	1·32
		Dinagepore ...	...	...	...	...	...	...	...	0·07	0·15	0·71	0·17	...	...	...	...	...	...	1·01	...	...
		Baloorghat ..	...	...	...	...	...	...	0·06	0·89	0·11	2·67	0·15	...	0·06	...	0·42	...	...	0·43	0·56	...
		Thakurgaon...	0·76	...	...	...	...	...	...	...	0·81	...	...	0·65	...	...	...	0·08	0·62	0·64	...	...
	Rungpore ...	Bhawanigunge (*Gyabunda*).	...	...	...	...	...	...	...	0·35	0·10	3·00	...	...	...	...	...	0·40	...	0·50	1·85	0·05
		Rungpore ...	...	...	...	...	...	...	...	0·01	0·63	0·20	...	...	...	...	0·13	0·02	0·17	1·89	0·08	0·84
		Kurigram ...	...	...	0·04	...	...	...	...	...	0·29	0·27	...	0·04	...	...	...	0·25	..	0·45	0·05	0·05
		Bagdogra (*Nilphamari*).	...	...	0·23	...	...	...	...	...	0·30	0·36	...	0·09	0·08	..	...	0·08	0·06	1·10	...	0·04
		Ulipore ...	...	...	...	...	...	...	...	...	0·12	0·41	...	...	...	...	...	0·64	...	0·48	0·24	...
	Julpigoree ...	Julpigoree ...	...	...	...	...	...	0·06	0·07	0·32	0·05	0·32	0·04	...	0·53	0·02	0·42	0·38	2·87	0·75	...	2·37
		Alipore Doar	...	...	...	...	...	...	...	1·63	...	...	...	...	0·50	...	...	.	4·75	2·50	...	...
		Falacotta ...	...	...	...	...	0·01	...	...	1·40	...	1·61	...	1·10	0·85	...	...	3·47	6·55	...	...	...
		Debiganj ...	...	...	..	...	...	..	...	0·56	0·11	0·62	1·18	...	...	...	0·13	...	1·93	0·28	...	...
		Bhagatpore (Nagrakatta).	...	0·09	0·04	0·96	1·33	0·49	0·26	1·82	1·85	0·56	0·56	0·11	0·20	0·60	0·63	2·03	1·70	0·36	0·04	4·35
	Cooch Behar...	Dinhatta ...	...	...	...	...	0·55	0·65	...	0·97	0·71	0·42	0·20	...	...	0·10	...	0·24	0·34	1·28	0·16	...
		Cooch Behar...	0·12	...	0·64	0·76	...	0·35	...	0·05	0·71	0·23	0·15	...	0·10	...	0·26	0·35	1·14	1·67	...	...
		Mickilgunge...	...	0·08	...	...	0·22	0·25	0·06	1·13	0·12	0·30	0·05	...	1·74	...	0·46	2·75	4·53	1·70	...	...
		Matabhanga...	...	0·02	0·30	0·07	0·04	0·56	0·02	2·06	0·35	0·15	0·03	0·06	0·08	...	0·02	0·09	1·68	2·44	...	...
	Darjeeling Hill	Buxa ...	0·01	...	...	0·17	...	1·56	0·01	0·03	1·07	0·28	0·31	0·48	0·53	0·84	0·66	2·65	1·50	0·13	0·15	1·53
		Siliguri ...	...	...	...	...	0·73	1·30	0·10	0·30	0·23	0·37	0·20	0·05	0·20	0·45	0·83	1·75	1·16	0·16	0·03	0·74
		Darjeeling ...	...	0·01	..	0·38	0·04	1·01	0·01	0·71	1·07	0·07	1·57	0·31	2·17	1·44	1·70	1·92	0·43	0·64	0·95	2·37
		Kalimpong ...	...	0·10	0·07	0·57	1·83	1·24	0·12	0·57	0·35	0·07	0·88	...	0·95	0·38	0·60	0·28	0·79	0·06	0·65	0·65
		Kurseong ...	...	...	0·40	0·02	...	1·62	0·04	0·41	2·00	0·27	2·30	0·48	2·30	1·16	2·60	0·01	0·40	...	1·20	0·35
NORTH BEHAR	Purneah ...	Kissengunge	...	...	0·14	...	...	0·05	0·63	0·06	0·81	0·38	0·38	...	0·43	0·06	0·04	...	1·65	...	...	0·35
		Arrareah ...	...	...	0·20	...	...	0·05	...	0·09	0·33	0·86	0·19	...	0·40	...	1·03	0·26	...	...	...	1·88
		Purneah ...	...	...	...	...	...	...	...	0·02	0·75	0·04	0·93	...	0·07	0·02	0·41	0·01	...	...	...	0·11
		Gondwara ...	...	...	...	...	...	...	0·12	...	...	0·15	...	0·16	0·12	0·10	0·25	...	...	0·35	0·20	1·4
		Balarampore	...	...	...	...	...	..	...	...	0·12	...	...	...	...	...	...	...	...	...	...	0·19
		Matiari ...	...	...	...	...	...	...	...	0·70	...	0·30	...	0·90	...	...	...	...	...	...	4·50	...
		Kaliaganj ...	...	...		...	...	0·90	0·61	0·12	0·50	0·70	0·30	...	0·45	0·25	0·06	3·20	2·93	0·38	...	1·20
	North Bhagulpore.	Maddapore ...	...	...	...	...	...	...	0·15	0·12	0·05	0·55	0·12	0·14	1·05	0·02	0·08	...	...	0·58	1·55	0·21
		Soopool ...	...	...	...	...	...	...	...	0·50	0·58	...	...	0·02	1·77	...	...	...	...	...	0·75	0·23
		Protabganj ...	...	...	...	...	...	...	...	...	0·49	...	...	...	0·45	...	...	0·53	...	...	0·82	1·04

in Bengal in August 1891—*continued.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st August 1891.	Average rainfall from 16th May to 31st August.	District.	Station.	Meteorological division.
...	...	0·37	0·55	...	0·07	0·24	0·45	...	...	...	18	20·94	14·71	17·05	3·00	50·82	65·26	Patuakhally ...	Backergunge.	EAST BENGAL —*concld.*
...	0·32	0·11	...	0·17	0·44	0·05	0·48	...	...	...	19	18·30	12·36	14·74	3·18	48·02	50·49	Perozepore.		
0·23	0·20	0·08	0·91	0·02	0·06	0·69	0·02	...	...	...	19	19·15	8·29	12·41	0·91	39·75	48·52	Burrisal.		
...	0·15	0·11	0·32	0·16	...	...	...	...	...	0·18	22	22·00	9·07	18·23	1·51	41·82	61·80	Bhola.		
...	0·11	...	0·85	...	...	0·37	...	...	...	...	18	?	10·90	?	1·57	36·19	?	*Gournaddi.*		
...	0·12	0·14	...	0·37	0·70	0·05	...	...	...	...	13	?	7·30	?	1·20	41·32	?	*Bauphal.*		
...	0·30	...	...	0·08	0·13	0·57	...	0·11	...	0·31	22	22·15	12·47	25·33	2·84	58·98	79·91	Noakholly ...	Noakholly.	
...	0·04	...	0·15	0·10	0·13	...	...	0·45	0·50	0·15	18	22·08	8·31	24·01	1·93	55·36	79·65	Fenny.		
...	0·05	...	...	...	0·30	...	...	0·15	0·75	1·25	15	?	12·51	?	3·20	87·51	?	*Harishpore.*		
...	0·35	0·40	...	...	0·73	...	...	...	...	...	18	?	11·76	?	2·85	44·06	?	*Ramganj.*		
0·23	...	0·58	0·09	...	0·25	...	...	...	...	...	14	17·20	7·51	12·25	2·31	32·47	41·38	Madaripore ...	Furreedpore.	
0·10	0·04	0·09	0·02	0·02	0·76	0·08	...	...	...	...	11	15·95	6·53	12·57	1·90	35·74	41·70	Furreedpore.		
0·02	...	...	...	0·06	0·02	0·06	...	...	...	0·19	12	15·16	3·19	11·37	0·75	25·53	38·74	Goalundo.		
0·25	0·15	0·10	...	0·03	...	...	...	...	...	0·45	19	18·17	9·33	14·88	2·04	38·84	50·59	Munshigunge.	Dacca.	
...	0·27	0·15	...	0·07	...	0·08	...	...	...	0·31	15	18·50	8·33	12·56	2·04	47·18	43·13	Dacca.		
...	0·19	0·18	...	0·04	...	0·07	...	...	...	1·41	16	17·00	13·41	13·46	3·25	49·92	46·69	Naraingunge.		
...	0·00	0·04	0·23	0·07	0·08	...	0·16	...	...	0·62	14	16·06	6·05	11·53	0·98	35·23	37·04	Manickgunge		
0·01	0·59	0·01	0·71	0·63	0·08	0·04	...	...	...	...	11	?	9·83	?	2·34	42·56	?	*Joydebpore.*		
0·40	0·60	0·10	...	0·20	...	...	0·30	0·10	0·20	0·10	21	17·44	5·00	13·32	0·60	48·30	43·68	Agartola ...	Hill Tipperah.	
...	0·15	...	0·09	0·10	0·35	...	0·01	0·12	...	0·10	15	18·06	8·14	17·65	1·68	47·23	58·10	Comilla ...	Tipperah.	
0·10	0·22	...	...	0·22	0·12	0·40	...	...	...	0·40	19	21·67	13·31	20·23	3·70	42·57	56·51	Chandpore.		
...	1·12	...	...	...	...	...	...	...	...	2·82	10	16·25	7·44	12·07	2·82	47·09	43·59	Brahmunberia.		
...	0·30	...	...	0·12	...	...	1·24	0·03	...	...	12	?	6·08	?	1·24	43·94	?	*Ramchandrapore.*		
...	...	...	...	0·10	0·10	...	...	...	...	...	5	?	1·04	?	0·40	13·54	?	*Nasirnagar.*		
1·12	0·46	...	...	...	0·10	...	...	...	...	...	11	?	7·99	?	1·95	41·65	?	*Daudkandi.*		
...	0·26	...	0·11	0·17	0·23	...	...	...	...	...	16	?	6·85	?	1·76	?	?	*Kasba.*		
...	0·05	...	...	...	...	...	...	...	...	1·00	8	?	7·45	?	2·45	51·15	?	*Laksham.*		
0·42	0·09	...	...	1·37	0·70	...	...	...	2·26	0·34	18	13·80	13·67	13·18	2·26	70·66	49·90	Kishoregunge.	Mymensingh.	
...	0·13	...	...	0·12	...	...	...	...	...	1·11	12	14·65	4·05	12·01	1·11	33·58	39·50	Atia (*Tangail*).		
0·00	1·86	0·02	0·12	2·15	0·14	...	...	...	1·01	0·07	17	19·20	12·15	13·78	2·16	48·29	53·04	Mymensingh.		
...	0·18	...	...	0·39	0·04	...	...	...	2·48	...	15	16·60	15·05	13·45	4·49	50·71	44·94	Jamalpore.		
0·71	0·76	...	0·61	0·00	1·52	...	...	...	0·97	...	21	19·71	14·75	16·97	3·13	72·92	60·76	Netrokona.		
...	...	...	...	0·53	...	...	0·60	...	0·78	...	10	?	10·11	?	5·30	32·07	?	*Subornakhally.*		
0·10	0·60	...	...	0·65	...	...	...	...	0·43	...	17	?	14·27	?	2·82	74·28	?	*Durgapore.*		
1·02	0·25	...	...	...	0·33	...	...	...	1·90	...	12	?	15·51	?	3·65	50·28	?	*Sherepore Town.*		
...	...	...	0·15	...	...	...	...	0·20	0·20	...	10	?	11·86	?	6·24	65·34	?	*Dewanganj.*		
0·07	...	...	0·05	...	...	0·05	...	...	...	0·26	13	10·65	4·24	12·78	0·67	23·53	37·38	Pubna ...	Pubna ...	NORTH BENGAL
...	0·04	...	...	0·23	...	...	...	...	0·80	0·61	14	13·20	7·04	11·23	2·09	36·26	37·47	Serajgunge.		
...	...	...	...	...	...	...	...	...	...	...	7	16·00	4·45	12·25	1·31	23·09	42·60	Sherpore ...	Bogra.	
...	...	...	...	0·60	...	...	...	...	0·43	0·13	13	14·93	5·32	10·81	1·42	34·59	38·84	Nowkhilla.		
...	...	...	0·30	0·19	...	...	...	...	0·74	0·14	14	15·85	6·01	11·93	1·10	32·28	44·91	Bogra.		
...	...	...	...	...	...	...	...	0·20	...	...	10	13·71	8·46	11·53	3·52	35·90	40·26	Panchbibi.		
0·09	0·03	...	0·05	...	0·04	...	...	...	...	...	8	15·45	5·93	12·05	1·79	36·15	36·45	Beauleah ...	Rajshahye.	
0·40	...	...	1·00	...	...	...	...	...	...	0·13	12	16·95	13·11	12·16	8·25	45·67	37·81	Nattore.		
...	...	...	...	...	...	...	...	...	...	...	8	14·71	3·04	8·75	1·72	25·89	37·53	*Naogaon.*		
...	...	0·12	0·20	...	...	...	...	...	...	...	12	?	10·38	?	2·92	32·19	?	*Lalpore.*		
...	...	...	0·43	...	[illegible]	...	...	...	...	...	8	?	2·02	?	0·60	22·08	?	*Manda.*		
...	...	0·01	...	0·03	0·03	0·90	...	...	...	0·01	7	14·35	3·40	9·95	0·71	28·66	34·99	Maldah ...	Maldah.	
...	...	...	...	...	...	...	...	...	...	...	7	15·31	3·00	14·00	0·98	23·62	42·27	Chanchal.		
...	...	...	...	0·44	...	...	...	...	...	...	7	?	3·77	?	1·18	37·26	?	*Gajol.*		
...	0·20	...	0·22	...	0·52	0·19	0·04	...	...	...	11	?	5·06	?	1·65	36·74	?	*Sibganj.*		
...	...	...	...	...	...	...	...	...	...	...	7	16·25	4·58	13·54	1·65	23·37	41·45	Mohadebpore...	Dinagepore.	
...	...	...	...	...	...	...	...	...	...	...	9	15·64	4·83	10·55	1·79	30·44	37·42	Churamon.		
...	...	...	...	...	...	0·15	...	...	...	...	5	15·93	5·08	12·74	2·74	50·03	43·07	Raigunge.		
0·16	...	...	0·70	0·11	...	...	...	...	...	...	7	16·25	3·04	12·17	1·01	36·04	46·95	Dinagepore.		
0·44	0·02	...	...	...	0·21	...	...	...	...	...	9	16·29	6·02	9·62	2·67	34·87	39·00	Baloorghat.		
0·31	...	...	0·52	0·04	...	...	...	...	...	...	9	?	5·05	?	0·81	54·84	?	*Thakurgaon.*		
...	...	...	...	...	...	...	...	...	...	...	6	13·16	5·75	10·23	3·00	44·42	43·63	Bhawanigunge (*Gyabanda*).	Rungpore.	
0·01	...	0·01	0·27	0·40	...	...	...	...	...	...	8	13·10	4·16	12·06	1·80	49·00	54·80	Rungpore.		
0·85	...	...	0·10	0·19	...	...	...	...	...	...	7	12·00	2·58	11·07	0·85	43·47	55·79	Kurigram.		
...	...	...	0·17	0·64	...	...	...	...	...	0·10	7	10·71	3·31	14·92	1·10	43·10	63·52	Bagdogra. (*Nilphamari.*)		
0·16	...	...	...	...	...	...	...	...	...	...	6	?	2·05	?	0·64	44·34	?	*Ulipore.*		
0·05	0·03	1·46	0·15	1·76	0·10	0·04	...	...	...	...	12	18·80	11·79	24·94	2·87	49·28	86·46	Julpigoree ...	Julpigoree.	
...	...	...	...	...	...	...	...	...	...	...	4	?	9·37	?	4·75	62·18	?	*Alipore Doar.*		
...	0·65	0·04	...	...	0·32	...	...	...	...	...	10	?	17·80	?	6·55	53·33	?	*Falacotta.*		
...	...	...	...	0·82	...	...	...	...	0·16	...	9	?	5·74	?	1·93	56·16	?	*Debiganj.*		
0·02	...	2·24	0·93	0·20	0·24	0·13	...	...	...	0·01	21	?	21·70	?	4·35	68·20	?	*Bhogotpore (Nagrakatta.)*		
1·31	...	...	0·14	1·49	...	...	...	...	...	...	14	15·30	8·56	17·51	1·49	57·65	70·50	Dinhatta	Cooch Behar.	
0·23	...	0·03	0·55	...	0·06	...	...	...	...	...	14	17·09	8·02	21·45	1·67	63·59	88·85	Cooch Behar...		
...	...	0·28	0·62	...	0·58	0·06	...	...	...	...	13	17·72	15·34	24·57	4·53	62·73	81·52	Mickligunge.		
1·44	...	0·18	0·05	0·20	0·18	...	0·59	...	...	...	12	18·30	10·57	23·78	2·14	63·72	80·38	Matabhanga.		
1·33	2·26	3·38	0·03	0·01	0·01	0·40	...	...	...	0·33	20	22·85	20·35	42·05	3·38	87·80	148·42	Buxa ...	Darjeeling.	
0·81	0·84	0·85		0·74	0·04	0·10	...	...	0·42	0·61	20	20·43	11·89	22·33	1·75	48·28	87·04	Siliguri.		
0·73	0·53	2·34	0·09	0·08	0·19	0·42	0·25	0·04	...	0·07	21	23·90	24·27	25·45	2·38	77·01	83·86	Darjeeling.		
0·58	0·05	0·85	0·09	0·03	0·58	0·38	...	0·04	...	...	18	21·14	10·27	18·75	1·24	40·66	70·24	Kalimpong.		
0·41	0·17	2·35	...	0·75	0·08	2·04	...	0·53	...	0·20	22	?	24·40	?	2·00	81·70	?	Kurseong.		
0·97	0·25	0·14	0·13	0·31	...	0·09	...	...	...	0·04	13	16·63	6·00	16·21	1·65	38·43	51·99	Kissongunge ...	Purneah ...	NORTH BEHAR
0·75	0·13	0·04	0·40	0·29	0·02	...	...	...	...	0·46	13	14·68	7·39	13·60	1·88	35·83	45·76	Arrareah.		
0·31	0·07	0·04	0·29	0·02	0·06	0·11	...	...	...	0·52	8	17·11	3·78	14·44	0·93	26·82	42·72	Purneah.		
												?		?			?	*Gondwara.*		
0·12	...	...	...	...	...	...	...	...	...	...	3	?	0·43?	?	0·19	10·30	?	*Balarampore*		
0·40	0·03	0·06	0·30	0·08	...	...	...	0·50	0·40	0·62	9	?	8·79	?	4·50	23·23	?	*Matiari.*		
1·55	0·04	1·50	0·18	0·50	0·23	...	...	...	...	0·10	18	?	15·70	?	3·20	48·17	?	*Kaliaganj.*		
...	...	0·07	0·02	...	...	...	...	...	...	0·90	11	14·45	6·71	11·79	1·65	27·56	34·23	Maddapore ..	North Bhagulpore.	
...	0·34	0·77	...	...	...	...	...	...	...	0·20	9	14·00	5·66	12·32	1·77	22·09	31·77	Soopool.		
0·11	...	...	0·85	...	...	0·06	...	...	...	0·45	8	?	4·80	?	1·64	31·02	?	*Protabganj.*		

Table of Rainfall recorded at Stations in

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH BEHAR—concld.	Durbhunga ...	Tajpore ..	...	...	0·15	...	...	0·07	...	..	1·05	2·25	0·63	0·21	1·50	...	0·08	...	...	...	0·90	...
		Durbhunga ..	...	..	...	...		...	0·10	0·34	0·53	0·28	0·22	1·19	9·09	...	0·09	...	...	0·02	0·16	0·36
		Madhubani .	...	...	...	...	...	0·21	...	0·10	..	0·01	1·03	1·08	0·71	...	0·29	...	0·25	0·08	0·41	0·58
		Bahera ...	...	...	...	...	...	...	...	0·31	0·47	0·22	0·35	0·48	1·11	...	...	...	1·47	...	0·90	...
		Roshera ..	..	...	...	...	...	...	...	0·47	0·27	0·05	0·35	1·01	0·25	...	...	...	0·35	1·17	0·76	...
	Mozufferpore	Sitamarhi .	...	...	...	...	...	...	...	...	0·66	0·39	0·04	0·18	1·45	0·04	0·10	0·35	2·36	...	0·86	0·70
		Mozufferpore	...	...	...	...	...	0·42	0·14	0·07	0·62	1·00	0·14	0·50	1·18	0·07	0·13	...	...	0·20	1·96	0·15
		Hajipore ...	...	...	0·83	0·03	...	...	0·03	0·03	0·96	0·06	0·07	0·09	0·71	0·13	0·16	...	...	...	0·21	0·04
		Paru ...	...	...	...	...	...	...	0·77	..	0·63	...	1·57	..	1·57	0·21	...	0·30	1·35	1·04	...	...
		Mahua ..	...	...	...	...	0·06	...	0·55	1·00	0·67	...	4·65	4·17	..	...	...	...	2·20	...	3·45	0·20
		Sinhar ...	..	...	...	...	...	...	..	...	0·65	...	...	...	3·10	...	...	...	1·40	...	0·82	...
		Pupri ...	...	...	...	...	...	...	1·78	...	...	...	...	0·44	2·90	...	...	...	1·37	...	...	...
	Chumparun ...	Motihari ...	...	...	...	...	0·07	0·09	0·12	0·14	0·32	0·21	0·34	1·73	2·48	0·03	...	0·14	0·24	0·63	3·43	2·24
		Bettiah ..	...	0·05	...	...	...	...	...	0·61	0·16	0·23	...	0·50	1·30	0·14	...	...	...	0·05	0·40	0·25
		Bagaha ...	...	..	..	...	...	...	0·06	0·40	0·33	0·42	0·06	3·55	2·05	0·21	...	0·88	1·05	...	1·00	0·50
		Burhurwa ..	...	...	0·15	...	...	0·02	0·09	0·02	0·18	0·03	...	0·20	0·58	0·28	0·05	0·12	0·09	0·47	0·18	0·07
	Sarun ...	Gopalgunge ..	...	...	...	...	..	...	0·11	0·19	0·64	0·40	...	0·08	1·30	0·45	...	...	...	0·80	0·16	0·07
		Sewan ...	...	0·63	...	..	...	0·35	0·31	0·06	0·32	...	4·22	0·68	1·12	...	...	...	...	0·10	...	0·11
		Chupra ..	...	...	0·15	...	...	...	...	0·87	1·17	0·58	...	0·57	0·35	0·85	0·03	...	0·91	...	0·05	...
SOUTH BEHAR	Shahabad ...	Buxar ..	0·33	0·05	0·59	.	...	0·02	0·06	0·20	0·61	0·34	0·03	0·16	1·34	0·51	0·80	0·12	0·04	...	...	1·45
		Dehree ..	0·48	0·22	0·65	0·02	...	...	1·65	1·02	0·80	0·03	3·25	0·18	1·10	1·90	0·13	0·38	...	...	0·64	0·02
		Bhuboosh ...	1·20	0·85	2·10	...	...	...	1·10	1·40	0·20	0·30	4·00	1·00	0·16	2·50	0·05	0·30	0·04	0·10	0·26	...
		Sasseram ...	0·21	1·17	0·27	...	...	...	3·26	0·33	0·44	0·07	1·36	..	0·66	1·20	0·10	...	0·27	...	0·42	0·23
		Arrah ...	0·10	...	0·30	...	...	...	0·14	0·78	0·34	0·15	...	0·11	0·35	1·30	0·15	0·71	0·10	...	0·10	0·18
		Mohaniah ..																				
	Gya ...	Aurungabad...	0·65	0·84	0·40	...	...	...	0·38	1·33	0·66	0·13	0·61	0·32	0·78	1·15	0·32	0·60	0·22	0·05	0·36	...
		Gya ...	...	...	0·78	...	...	...	1·32	1·12	1·57	0·78	0·38	0·18	0·48	0·70	0·04	1·40	0·99	0·15	0,03	0·15
		Nowadah ...	...	0·51	...	0·05	...	0·55	0·72	0·28	4·65	0·10	0·52	0·95	0·08	0·07	...	...	0·15	1·04	...	0 05
		Jehanabad ...	...	...	0·72	...	...	...	0·18	0·58	0·65	...	0·21	0·15	0·23	0·71	...	...	0·85	...	...	0·28
		Arwal ...	...	...	1·75	.	...	...	...	0·80								2·35	0·46	...	...	...
		Daudnagar ..	0·12	...	0·11	0·20	...	...	0·12	0·75	0·40	...	0·30	1·00	0·60	1·00	...	...	...	0·80	...	...
		Sheerghati ..	...	0·18	2·05	0·16	..	...	0·77	1·43	0·54	0·06	0·22	0·48	0·35	0·82	0·35	0·25	0·12	...	...	0·05
		Rajauli ..	...	...	1·65	...	...	...	0·70	.	0·73	1·07	0·50	1·20	0·55	0·60	...	0·05	0·07	0·60	0·60	1·10
		Pakri Barawan.	...	..	0·50	...	...	0·80	...	0·90	...	1·35	...	0·60	1·75	0·50	...	...	0·18	...	0·52	...
	Patna ...	Patna ..	...	...	0·53	0·03	...	...	...	...	1·71	...	...	0·08	0·66	0·13	0·48	...	...	0.06	0·30	0·08
		Dinapore ...	...	..	0·15	...	...	...	...	0·39	0·90	...	...	0·20	0·53	0 20	0·08	...	1·95	0·15	0·50	...
		Behar ..	...	...	1·00	...	...	0·50	0·06	0·97	0·41	...	0·08	0·90	0·30	0·28	0·13	...	1·95	...	0·95	...
		Barrh ..	...	...	...	...	...	...	...	0·85	0·70	...	0·45	1·50	2·10	0·10	...	...	0·20	0·65	2·15	0·30
		Bickram ...	.	...	0·60	...	...	...	0·09	0·78	0·68	0·46	0·88	0·18	0·49	0·86	0·15	...	...	0·09	0·07	...
		Hilsa ..	...								0·75	0·30	...	0·20	1·10	...	...	0·20	0·10	...	0·30	...
	Monghyr ..	Begooserai ...	...	...	...	0·50	...	0·06	0·60	0·55	1·21	0·48	0·37	1·34	0·92	0·06	0·47	...	0·05	...	1·52	0·12
		Monghyr ..	..	1·08	...	0·13	...	...	1·00	1·24	0·84	0·62	0·84	0·15	2·44	0·15	0·21	...	...	0·11	0 13	...
		Jamui ...	...		...	...	...	0·55	1·10	0·19	0·40		...	0·60	1·87	0·21	0·33	...	1·74	...	0·25	...
		Gogri ..	...	1·22		...	...	...	1·84	2·47	0·26	1·90	...	2·40	3·36		...	...	...	...	1·36	...
		Sheikpura ...	...	.	.	...	...	...	0·43	0·41	...	0·30	...	...	5·11	0·11	...	...	...	...	3·11	...
	South Bhagulpore.	Bhagulpore ..	...	0·81	...	...	...	0·29	0·10	1·03	0·09	1·10	...	2·07	0·59	...	0·08	...	0·31	0·15	0·13	...
		Banka ..	...	1·58	..	...	...	...	0·20	0·98	0·42	3·05	...	0·74	1·41	0·26	0·10	...	0·94	0·02	1·25	0·20
		Kolgong ...	...	...	..	.	...	...	...	0 25	0·32	3·42	.	...	0·46	0·32	0·26	...	...	0·85	0·24	0·24
		Bongaon ...	...	...	...	...	...	...	...	...	...	0·87	...	...	3·27	...	...	...	1·71	...	...	0·93
	Sonthal Pergunnahs.	Rajmehal ...	...	...	..	.	...	...	0·07	0·44	...	...	0·58	...	0·20	0·14		...	...	0·92	1·22	...
		Godda ...	...	0·12	0·02	.	...	0·45	0·12	0·56	0 45	...	0·73	1·50	0·67	0·08	0·23	...	0·02	...	0·23	1·23
		Pakour ..	..	..	.	0·08	0·04	0·31	0·10	1·27	0·89	0·11	0·37	0·02	0 16	0·37	0·05	...	0·01	0·36	0·86	0·12
		Nya Doomka	0·01	1·18	0·01	0 27	0·02	0·01	0·27	0·06	0 14	0·07	1·06	3.50	2·36	0·21	0·56	0·12	..	0·07	1·53	2·04
		Deoghur .	.	0·25	0·28	0 26	..	0·13	0·02	0·48	0·15	0·24	1·13	0·45	0·09	0·90	0·11	...	0·10	...	2·77	0·14
		Jamtara ...	0·38	...	...	0·11	0·06	0·19	0 81	0·55	0·43	2 56	1·64	0·63	0·51	1·18	...	...	0·56	0·06	0·29	0·09
		Mohagama ...									0·90							0·80	...	0·30		
		Nanihat ...	0·65	...	..	...	...	...	0·12	0 15	...	0·21	0·01	1·09	...	...	...	...	2·05	0·25	4·05	...
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*).	0·31	0·29	0·18	0 07	0·04	0·03	0·08	0·19	0·09	0·53	0·01	0·56	0·26	2·60	0·03	0·02	0·33	...	1·46	0·12
		Hazaribagh ...	0·02	1·14	1·15	0·05	...	0·15	2·82	0·54	0·37	1·23	...	0·56	0·23	2·91	0·12	0·16	0·76	...	1·05	...
		Semtagurah .	...	1 29	0 10	...	...	0·85	1·90	0 75	0·52	0·80	...	0·15	0·12	0·91	0·25	0·10	0·20	0·05	...	...
		Mahudi Hills Jhoomrah Hills	1·20	1·90	0·50	...	0·20	1·70	0·40	1·60	1·60	...	..	0·20	2·50	0·70	0·20	...	...	0·70	...	...
		Barhi ...	...	0·03	0·41	0·02	...	..	2·94	0·53	0·81	0 78	0·04	0·48	0·55	1·23	0·15	0·07	...	...	0·68	0·30
		Chatra .	0·02	0·20	1·79	...	...	0·08	...	1·42	1·08	0·39	0·11	2·00	0 80	1·46	...	0·20	1·10	...	...	...
		Karagdeha ...	.	0·40	0·50		..	.	0·43	0·20	0·25	1·20	0·05	0·30	0·87	1·07	0·07	...	...	0·98	0·81	0·47
		Ramghar ...	0·80	1·10	..	0 25	0·30	0·80	0·85	0·75	...	...	...	0 50	1·80	...	0·60	0·60	0·30	...	0·40	...
	Lohardugga...	Lohardugga ...	0·89	0·12	0·07	..	...	0·53	0·67	0·34	...	0·10	0·22	0·10	3·24	1·00	0·32	0·63	...	0·60	0·68	1·20
		Ranchi ...	0·34	0·39	1·58	0 32	0·34	0·36	0·88	0·87	0·68	...	...	0·21	...	0·40	0·08	0·54	0·21	0·27	0·35	0·45
		Palamow ...	.	3·18	0·74	.	0·03	...	2·83	4·95	0·43	0·07	0·47	0·57	0·50	2·70	2·53	0·08	0·08	...	0·51	0·17
		Silli ...	..	..	1·70	0·40	...	...	...	2·10	0 90	0·25	0·15	0·50	0·70	0·05	1·50	0·50	...	0·30	0·10	0·05
		Balumat ...	...	2·50	0·12	...	...	0·30	1·38	...	0·42	0·11	1·20	0·43	3·10	0·09	...	2·10	...	0·12	...	...
		Hoseinabad...	...	...	...	...	...	2·30	...	...	...	...	1·70	...	1·80	...	...	...	...	...	...	...
		Garwah ...	1·40	8·06	0·17	...	...	0·07	0·34	0·18	2·98	...	...	0·02	0·46	1·70	2·68	0·12	...	...	...	1·05
	Singbhoom ..	Chyebassa ...	0·25	0·11	2·16	0·05	0·04	0·93	0·34	1·90	...	...	0·62	0·64	3·83	0·32	0·05	1·85	1·75	...	...	0·53
		Chakradharpore.	...	...	0·30	5·77	2·30	0·15	1·71	1·11	...	1·11	1·02	1·31	3·20	0·56	0·09	1·00	1·40	...	...	0·60
		Ghatsila ...	0·50	0·20	0·50	0·30	...	1·60	...	0·22	0·95	1·00	0·30	2·55	4 80	...	0·37	0·40	1·80	0·72	...	...
		Baharagura...	...	...	1·27	...	...	...	...	1·02	...	0·01	0·17	3·52	5·30	0·81	...	...	0·50	...	0·55	...
	Manbhoom ...	Purulia ...	...	1·45	0·53	0·18	...	0·33	...	1·15	1·50	...	0·10	0·37	0·73	0·25	0·23	0·80	0·17	...	0·38	...
		Gobindpore ...	...	1·78	0·16	0·15	...	...	0·04	0·32	0·58	1·09	0·72	1·16	0·18	1·46	...	0·02	0·11	...	0·60	0·38
		Raghunathpore.	...	0·70	0·80	...	0·08	0·23	0·07	0 30	1·35	...	0·45	0·30	1·10	5·56	0·23	0·23	0·90	...	1·80	0·05
		Barrabhoom...	0·52	1·35	0·85	0·05	...	0·60	0·30	2·00	...	...	0·40	0·57	5·30	0·05	0·30	0·25	0·26	...	0·21	0·05
		Jhalda ...	2·10	0·15	0·85	0·19	...	...	..	1·27	0·18	0·34	0·19	...	0·50	...	0·02	0·83	0·50	...	0·60	...
		Chas ...	...	1·44	0·53	0·13	0·14	0·19	1·37	0·30	0·39	0·46	0·15	0·44	0·13	1·85	0·35	0·97	1·53	...	0·11	0·38

Bengal for the month of August 1891—*concluded.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st August 1891.	Average rainfall from 16th May to 31st August.	Station.	District.	Meteorological division.
0·15	...	...	...	...	0·24	...	...	...	...	0·05	9	12·47	7·28	10·35	2·25	40·98	31·23	Tajpore ...	Durbhunga ...	NORTH BEHAR—*concld.*
0·20	...	0·07	...	0·23	0·08	0·38	...	...	..	1·07	13	13·37	14·71	11·39	0·09	33·33	32·10	Durbhunga.		
...	...	1·30	...	...	...	...	...	...	...	2·65	12	14·60	9·30	10·51	1·30	28·59	31·33	Madhubani.		
0·73	...	...	...	...	...	...	...	...	...	...	9	?	6·04	?	1·47	27·99	?	*Bahera.*		
...	...	...	...	...	0·60	...	...	...	...	0·90	11	?	7·07	?	1·60	18·28	?	*Roshera.*		
...	...	0·30	...	0·02	...	...	...	...	...	1·70	11	10·80	8·74	9·75	2·30	43·78	29·72	Sitamarhi	Mozufferpore	
0·21	...	...	0·02	0·22	..	...	0·05	...	...	0·25	14	13·25	7·33	10·34	1·96	28·07	31·06	Mozufferpore		
...	...	0·06	0·20	0·34	0·04	...	...	...	...	...	8	13·63	8·09	10·15	0·96	24·37	29·87	Hajipore.		
...	...	...	...	...	..	..	...	...	...	...	8	?	8·84	?	1·94	?	?	*Paru.*		
...	0·50	...	0·52	...	0·50	..	...	...	...	..	11	?	18·47	?	4·65	42·73	?	*Mahua.*		
...	...	...	...	0·34	...	...	...	..	...	0·52	6	?	7·13	?	3·40	25·04	?	*Sinhar.*		
...	...	...	...	...	...	...	...	...				?	6·49	?	2·90		?	*Papri.*		
...	...	...	...	0·84	...	...	...	...	...	1·23	15	12·22	13·60	11·53	3·43	37·96	31·26	Motihari ...	Chumparun.	
0·15	...	...	...	0·20	...	...	0·13	...	...	0·14	12	12·16	4·30	12·34	1·30	25·33	34·08	Bettiah.		
...	0·21	...	0·21	0·40	...	...	..	...	...	1·25	14	?	12·03	?	3·55	50·96	?	*Bagaha.*		
1·57	...	...	...	0·28	...	...	0·01	...	...	0·09	10	?	4·48	?	1·57	20·58	?	*Burhurwa.*		
...	...	...	...	0·79	...	0·03	...	...	...	...	9	11·08	5·02	10·18	1·30	29·75	30·36	Gopalgunge...	Sarun.	
...	..	...	0·35	0·13	...	...	...	...	...	...	11	13·60	8·47	10·78	4·22	26·48	30·42	Sowan.		
...	...	...	...	0·54	0·49	...	...	...	...	...	10	12·25	6·56	9·91	1·17	19·49	29·17	Chuprah.		
0·16	0·08	1·12	...	...	0·12	...	...	...	...	...	14	12·60	8·13	10·22	1·45	13·11	26·90	Buxar ...	Shahabad ...	SOUTH BEHAR.
0·30	1·08	...	...	0·02	...	...	0·31	0·02	...	...	15	13·14	13·60	12·78	3·25	22·80	29·85	Dehree.		
0·40	0·02	...	...	...	...	...	0·20	..	...	0·43	17	13·05	16·61	11·71	4·00	23·60	29·87	Bhuboosh.		
...	0·16	...	...	...	...	...	...	...	...	...	14	13·05	10·35	11·80	3·26	17·44	20·03	Sasseram.		
...	...	...	...	0·55	...	...	...	...	0·55	...	16	12·55	5·91	10·93	1·30	19·07	29·05	Arrah.		
												?		?			?	*Mohaniah.*		
0·46	...	...	...	0·02	...	...	...	0·55	...	0·24	18	13·70	10·27	12·52	1·33	21·27	31·72	Aurungabad .	Gya	
0·64	0·56	...	...	...	...	0·24	0·22	...	...	...	17	13·55	12·21	11·42	1·57	26·25	31·78	Gya.		
...	0·03	...	...	0·95	0·06	0·12	0·06	...	...	...	13	12·70	11·54	10·73	4·65	32·86	29·29	Nowadah.		
...	...	...	...	0·11	0·10	...	...	...	...	...	12	13·00	4·07	12·23	0·85	22·77	30·79	Johanabad.		
...	...	...	...	...	...	...	...	...	...	...		?		?			?	*Arwal.*		
0·63	...	...	...	...	...	...	...	...	...	0·63	13	?	6·67	?	1·00	12·22	?	*Daudnagar.*		
...	...	...	...	...	0·18	...	...	...	...	...	14	?	8·01	?	2·05	17·21	?	*Sheerghati.*		
0·70	0·10	...	...	...	...	0·30	0·12	...	...	...	17	?	11·84	?	1·65	34·50	?	*Rajauli.*		
...	...	...	...	0·70	...	...	...	...	...	...	10	?	7·80	?	1·75	22·42	?	*Pakri Barawan.*		
...	...	...	0·60	0·62	0·49	...	...	...	...	...	9	12·85	5·77	10·62	1·71	25·54	30·80	Patna ...	Patna.	
...	...	...	0·10	0·75	0·15	...	...	...	...	0·10	13	11·60	6·00	11·33	1·95	28·56	30·41	Dinapore.		
...	...	...	0·05	0·21	...	..	...	...	...	...	11	14·20	7·78	10·60	1·93	32·17	31·06	Behar.		
...	...	...	...	0·20	0·20	...	...	...	...	...	12	11·05	9·40	9·38	2·15	36·63	28·03	Barrh.		
...	...	...	...	0·11	...	...	...	...	...	...	10	?	5·94	?		22·28	?	*Beckram.*		
...	...	...	...	1·53	...	...	...	...	...	...		?		?			?	*Hilsa.*		
...	...	...	...	...	0·61	...	...	...	...	...	12	12·75	8·95	9·94	1·52	28·03	28·71	Begooserai ...	Monghyr.	
...	...	...	..	...	0·08	...	...	...	...	...	13	13·80	9·02	12·69	2·44	33·71	33·23	Monghyr.		
1·26	...	...	0·49	0·61	0·08	0·35	0·58	...	...	...	15	14·05	10·61	11·41	1·87	31·48	31·90	Jamui.		
...	...	...	...	.	...	...	...	...	...	...	8	?	14·99	?	3·36	44·12	?	*Gogri.*		
1·20	...	...	...	1·23	...	...	...	...	...	...	8	?	11·90	?	5·11	33·34	?	*Sheikpura.*		
...	...	...	...	...	...	0·03	0·02	...	...	...	10	13·70	6·80	10·15	2·07	35·99	30·61	Bhagulpore ...	South Bhagulpore.	
...	...	0·23	0·10	0·12	0·40	0·30	0·32	...	...	...	18	16·25	12·62	11·13	3·05	37·82	31·25	Banka.		
...	0·12	0·18	...	0·15	...	...	...	...	...	...	12	?	7·31	?	3·42	27·52	?	*Kolgong.*		
...	...	...	...	...	...	...	...	...	...	1·70	5	?	8·48	?	3·27	28·61	?	*Bongaon.*		
1·09	...	0·12	...	...	0·28	...	...	...	...	...	9	14·32	5·00	9·88	1·22	31·41	30·10	Rajmohal ...	Sonthal Perguunahs.	
0·62	0·73	...	...	...	0·75	...	...	...	...	...	14	14·71	8·41	11·70	1·50	32·72	31·89	Godda.		
0·01	...	0·07	0·04	0·39	0·06	...	0·46	...	...	...	13	15·50	6·23	11·69	1·27	30·87	37·65	Pakour.		
0·05	0·02	0·14	0·23	0·19	0·03	0·08	0·05	...	...	...	16	18·63	14·86	13·35	3·50	37·32	37·79	Nya Doomka.		
...	0·05	0·35	0·06	1·07	..	...	...	...	...	...	16	15·95	9·03	12·27	2·77	28·96	36·06	Deoghur.		
1·05	0·16	...	0·47	0·24	0·18	0·72	...	...	...	...	19	17·12	13·47	12·00	2·56	44·83	36·80	Jamtara		
												?		?		?	?	*Mohagama.*		
...	...	...	...	0·85	...	0·31	...	...	...	...	11	?	10·34	?	4·05	?	?	*Nanihat*		
0·16	0·57	0·03	0·19	0·28	0·15	0·09	0·03	...	...	...	17	17·86	9·20	12·34	2·60	35·35	34·59	Pachamba ... (*Giridi*).	Hazaribagh ...	CHUTIA NAGPUR.
0·55	0·13	0·16	0·30	0·37	0·06	0·16	...	...	...	...	20	17·35	14·09	13·41	2·82	33·54	35·02	Hazaribagh.		
...	0·50	0·55	0·10	...	0·25	...	...	...	...	...	17	16·00	9·30	11·02	1·90	24·77	32·92	Seintagurah.		
												17·82		14·74			36·13	Mahudi Hills.		
0·20	0·20	0·10	0·20	0·10	0·40	...	...	...	...	...	19	20·11	14·60	16·38	2·50	38·40	45·24	Jhoomrah Hills		
0·22	0·03	0·20	0·40	0·18	0·13	..	...	..	...	...	16	?	10·16	?	2·94	29·59	?	*Barhi.*		
...	0·15	..	0·80	...	..	0·09	...	...	0·08	...	13	?	11·07	?	2·80	23·85	?	*Chatra.*		
0·07	...	...	...	0·71	0·10	0·05	...	...	...	...	14	?	8·62	?	1·20	33·84	?	*Karagdeha.*		
0·10	0·15	...	...	1·00	0·85	...	0·25	...	...	...	18	?	12·00	?	1·90	23·18	?	*Ramghar*		
0·14	...	...	0·17	0·22	0·09	0·12	...	...	...	...	19	10·67	11·45	15·21	3·24	31·26	37·32	Lohardugga ...	Lohardugga.	
0·90	0·06	...	0·40	0·13	0·05	0·50	1·18	...	...	...	21	17·85	11·40	14·31	1·58	27·90	38·63	Ranchi.		
0·12	...	0·37	0·11	...	0·06	...	0·26	...	...	...	16	15·30	20·71	11·50	4·95	34·55	31·21	Palamow.		
...	...	...	...	0·10	0·35	...	...	...	...	...	14	?	9·65	?	2·10	31·73	?	*Silli.*		
...	...	0·62	0·50	0·11	0·04	0·29	0·22	...	...	...	16	?	18·05	?	3·10	28·59	?	*Balumat.*		
...	...	...	...	...	..	2·00	...	...	...		4	?	7·80?	?	2·30	?	?	*Hoseinabad.*		
0·13	...	...	1·27	...	...	0·09	0·44	0·06	...	...	15	?	22·42	?	8·06	30·21	?	*Garwah.*		
...	...	0·28	1·10	0·13	0·38	0·04	...	...	...	...	17	17·20	17·30	13·83	3·83	34·09	38·52	Chyebassa ...	Singbhoom.	
0·30	0·10	0·71	1·15	1·06	...	0·05	3·00	...	...	0·15	21	?	28·75	?	5·77	62·05	?	*Chakradharpore.*		
...	0·35	0·40	1·40	0·50	0·30	1·30	...	...	...	0·10	22	?	20·56	?	4·80	44·10	?	*Ghatsila.*		
...	...	0·05	0·05	0·05	...	...	...	...	...	...	10	?	14·80	?	5·30	?	?	*Baharagura.*		
...	0·46	0·15	0·04	0·16	0·65	0·20	0·15	..	...	...	21	16·60	10·09	13·91	1·50	38·98	34·72	Purulia ...	Manbhoom.	
0·15	0·06	...	0·08	0·30	0·29	0·03	...	...	...	...	16	17·15	9·64	12·50	1·78	30·40	33·05	Gobindpore.		
0·10	...	...	0·23	0·50	0·06	...	...	...	...	...	16	?	15·06	?	5·50	40·60	?	*Raghunathpore.*		
...	...	...	0·30	0·35	0·30	0·05	...	...	...	...	16	?	14·06	?	5·30	32·33	?	*Barrabhoom.*		
...	0·40	...	0·36	0·12	0·50	...	...	0·16	...	...	18	?	10·06	?	2·10	33·09	?	*Jhalda.*		
0·39	1·20	...	...	0·04	0·08	...	0·20	...	...	...	22	?	12·87	?	1·53	41·99	?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF AUGUST 1891.

THE most prominent characteristics of the meteorology of August in Bengal have been—

1. The mean pressure for the month for the whole province has not been very far removed from the normal. Compared with the general pressure over the province, there has been almost throughout the month deficient pressure over the north-west angle of the Bay and the adjacent parts of South-West Bengal This has apparently determined the position of formation of the greater number of barometric depressions during the month, and there has been an almost constant tendency to cyclonic circulation of winds and low pressure over this area.

In Assam also pressure has been slightly in defect of the normal.

2. Temperature has been below the normal by moderate amounts in Orissa and slightly below it in Chutia Nagpur. In all other divisions excess temperature has been registered, the excess usually equalling from half to one degree and being largest in the north of the province.

In Assam also a slight excess temperature has been registered.

3. The strength of the monsoon current has throughout the month been in very considerable defect of the normal.

4. Humidity has been about normal during the month, and cloud proportion has, if anything, been slightly in excess of the normal.

5. No less than four feeble barometric depressions and one cyclonic storm have affected the weather during the month. These have generally advanced in a west-north-westerly direction through the south-western divisions of the province. The cyclonic storm gave general stormy weather in the northern half of the Bay for some days, while the depressions gave only local stormy weather, though one at least gave very bad weather, with hurricane winds at sea, for a few hours.

6. The rainfall has hence been rather abundant and above the normal in the south-western divisions, moderate in amount and rather below the normal in the more central districts, and very light and scanty and largely below the normal in the extreme northern and eastern divisions.

Meteorology of the month.—The meteorological conditions of the early part of August were decidedly disturbed, for on the 31st of July a cyclonic storm of considerable intensity had formed in the Bay of Bengal to the north-west of Diamond Island, and it then commenced to move in a north-westerly or north-north-westerly direction. On the 1st of August the storm was to the west of Akyab in perhaps latitude 19° to 20° N., and longitude 90° to 91° E. It was giving very heavy weather in the Bay, and strong winds were reported to the east and south of the storm. On the morning of the 2nd, the storm centre was nearly over the Sunderbuns between Chittagong and Saugor Island, and it had therefore again advanced in a north-westerly direction. It here suddenly changed the direction of its advance, and during the 2nd moved along the face of the Sunderbuns in a due westerly direction, and passed close to the south of Saugor Island between 8 P.M. of the 2nd and 2 A.M. of the 3rd, and during the passage the very low pressure of about 29·25 inches was recorded. At 8 A.M. of the 3rd, the centre had crossed the coast and was to the west of Balasore, where pressure equalled only 29·293 inches. The storm as it passed over the land was not a very severe one, giving only an ordinary gale of wind, but from reports received from vessels involved in the storm, it appears to have been a decidedly fierce one at sea. On the 4th the storm centre was probably in the west of Chutia Nagpur, and the westerly movement of the 2nd to the 3rd had again been changed into a north-westerly movement, or to the direction it originally had on the 31st to the 2nd. On the morning of the 5th the centre of the small storm was near Sutna, so that it had again advanced in a north-westerly direction; but on this day it appears to have rapidly filled up, and on the morning of the 6th it had practically ceased to exist.

In the passage of the small storm across the head of the Bay, and in its north-westerly advance through the extreme south-western districts of Bengal, rather heavy rain was brought up, first by the storm itself and afterwards by the strong advance of monsoon winds which followed in its rear. The heavy rain was, however, mainly confined to the western and southern divisions of the province, for East and North Bengal during this period received only light and local rain.

From the 5th conditions again began to change at the head of the Bay, and pressure became comparatively low at Saugor Island and Balasore, while round a centre to the west of Saugor Island winds showed a decided tendency to set up a cyclonic circulation. On the 6th a distinct but exceedingly feeble depression existed, partly over the north-west angle of the Bay and partly over South-West Bengal, and the cyclonic circulation became a little more clearly defined. On the 7th conditions were almost the same except that the centre of the circulation of winds was to the south of Saugor Island, and that heavy rain had commenced to fall at that station. The small whirl or depression then commenced to advance in a north-westerly direction, and on the morning of the 8th it was in the south of Chutia Nagpur. On the 9th its centre was between Allahabad and Lucknow, on the 10th it was near Delhi, and on the 11th it had again advanced north-westward and had passed into the low-pressure area over the Indus valley.

Very heavy rain fell, in the passage of this feeble depression through the south-western districts of Bengal, and with the advance of the storm towards the north-west a heavy wave of moisture-laden winds swept over the province and over Northern India generally.

The ordinary monsoon conditions which existed up till the 11th were changed by an inrush of westerly winds on the 11th and 12th, which partly drove back the easterly and south-easterly winds which previously prevailed, and on the 12th a new barometric depression was formed over the land with a centre close to Jessore or between that station and Calcutta. On the 13th the depression had scarcely moved, and it was accompanied by a very complete cyclonic circulation of winds, and was giving very heavy rain; Midnapore and Durbhunga on this day reporting about nine inches of rain. The small storm then moved in a westerly direction, and on the 14th its centre was to the west of Ranchee, while on the 15th it had advanced in a north-westerly direction, and was between Allahabad and Lucknow. On the 16th it was almost in the same same position and was becoming more feeble, and on the 17th it had ceased to exist as a well-defined depression.

This small storm gave heavy rain in its progress, though the winds near the centre were for the most part light; but the monsoon current brought up in its rear was feeble, and from about the middle of the month, therefore, the rainfall was generally rather light and in some districts decidedly local.

It is desirable to notice in connection with this storm that though the centre was formed some 80 or 100 miles inland, and though the wind force at the land stations was light to moderate only, at sea, at the "Intermediate Light-ship," a gale of "hurricane" force was experienced on the 12th, though the gale rapidly subsided.

Conditions were of ordinary light monsoon character up to the 19th or 20th, when another slight but distinct barometric depression, with its accompanying cyclonic circulation of winds, formed in the north-west angle of the Bay. It continued to exist with little or no alteration of intensity or position up till the 23rd, when it moved towards Balasore, gradually filling up in its advance, and on the 24th it was near that station and had become very feeble, while on the 25th it had ceased to exist. This depression brought only light to moderate rain to the districts affected by it, that is, to the south-western districts of the province, and with its disappearance, though the monsoon winds began again feebly to advance over Bengal, yet the rainfall brought up by them was very light, and in some districts from the 27th a very distinct break in the rains set in. On the 28th and 29th the distribution of pressure over the Bay altered very considerably; pressure became very uniform in Bengal and over the Bay, and at this time little or no monsoon current was advancing over the province, so that winds became light and variable, and all the appearances were favourable for a distinct break in the rains.

By the morning of the 31st, however, a distinct barometric depression had been formed in the west of the Bay, the centre of which was to the east of Gopalpore and at some little distance from the coast. This again brought up moderate rainfall to Orissa and to the neighbouring south-western districts, but the remainder of the province was to a great extent rainless.

During the month, therefore, it will be seen, there were no less than four barometric depressions and one cyclonic storm which affected the weather in Bengal. All of them either passed through or influenced only the south-western districts of the province, which have hence received rather abundant rainfall. By the indraught, also, towards these depressions the monsoon current has been drawn away from the eastern and northern divisions of the province, and hence rainfall over these areas has been decidedly light and scanty, and in some cases very local. Thus, while Orissa has received a rainfall approaching half as much again as usual, in North Bengal, on the other hand, the fall has been less than half the normal.

Strength of the monsoon.—As stated in previous monthly reports, the only available method of judging of the strength of the monsoon current is to compare the actual wind velocities at the coast stations and the head of the Bay with the usual velocity for the month. This method of comparison, however, does not, and cannot, take into account the probable variations in the thickness or depth of the current from year to year on which it is probable the heaviness of the rainfall to a great extent depends. It is, however, impossible to measure this. The following table therefore contains the average daily wind movement in miles during August at all the stations on and near the coast of the Bay from Akyab round to Gopalpore, and these figures are compared with the normal wind movement for August:—

STATIONS.	Actual average wind velocity for August 1891.	Normal wind velocity in August.	Variation of actual for August from the normal.
	Miles per day.	Miles per day.	
Akyab	106	120	— 14
Chittagong	108	144	— 36
Dacca	170	168	+ 2
Jessore	99	120	— 21
Calcutta	122	168	— 46
Saugor Island	348	456	—108
Balasore	132	144	— 12
False Point	252	288	— 36
Pooree	230	288	— 58
Gopalpore	269	360	— 91

It will be seen that at all the coast stations and at all the stations slightly inland, except Dacca, the wind velocity for August has been much below the normal, the variation at many stations equalling from a fourth to a fifth of the normal value. It would hence appear that the strength of the monsoon in August has been rather largely below the force to be expected in normal years.

Pressure.—The mean pressure of the province for the first week of the month was considerably below the normal, the defect ranging from about 0·03" to 0·04" at the northern stations to almost a tenth of an inch at Saugor Island, Balasore, Midnapore, and False Point. These large defects were of course in connection with the small cyclonic storm which passed across the head of the Bay at this period. In the second week the general defect of pressure only equalled 0·03" to 0·04", but at the stations affected by the second small storm, defects of 0·05" to 0·06" were registered. In the third week the pressure conditions had become reversed, and there was a general excess of 0·03" to 0·04", and the excess was slightly increased during the fourth week, when it equalled about 0·03" to 0·05". These variations have to a great extent neutralized each other, and thus the mean pressure for the month at most stations has not varied from the normal by more than a few thousands of an inch. At a few stations slight excess pressures have been registered, but in the majority of cases the variations shown are defects, and over the north-west angle of the Bay and part of South-West Bengal, or the area where the depressions of the month have been formed, the defects are very noticeable. Thus Saugor Island and Midnapore registered defects of 0·024", Balasore 0·028", Calcutta 0·017", and False Point 0·012". In Assam the mean pressure has been 0·012" in depôt of the normal.

Temperature.—The temperature variations during the month have been unimportant, and have usually followed the variations in the heaviness of the rainfall. In Orissa, where the rainfalls have been heavy, the mean temperature for the month has been in defect of the normal by 0·8°. In Chutia Nagpur, where there has also been heavy rainfall, a defect of 0·1° has been registered, but all other divisions have shown excess temperatures The excess in South-West Bengal and South Behar has been small, and does not exceed half a degree, but in East and North Bengal and North Behar, where the rainfall has only equalled from half to two-thirds of the usual amount, the temperature has been nearly a degree in excess of the normal. For the whole province, however, the mean temperature of the month has only been 0·3° in excess of the normal.

In Assam the mean temperature for the month has been 0·7° above the normal.

Rainfall.—Was large in amount for the first half of the month, but during the second half it became much lighter, and in many districts more local. Owing to the action of the barometric depressions and small cyclonic storm previously described, the rainfall has been mainly deflected towards the south-western districts of the province. Thus Orissa has received an average fall of nearly sixteen inches, which is four and-a-half inches in excess of the normal. Chutia Nagpur has received about twelve and-a-half inches, or a little less than the normal. South-West Bengal has received nearly eleven inches, or about two inches in defect; East Bengal about ten inches, or five and-a-half inches in defect; South Behar nine and-a-half inches, or two inches in defect; North Behar seven and-a-half inches, or more than four inches in defect; and North Bengal only six and a-third inches, or no less than seven and-a-half inches less than usual during August. Calculating the mean rainfall of the whole province for August 1891 as a percentage of the normal fall for the period, the actual fall has only equalled 82 per cent.

The comparison of the actual rainfall in the various large divisions of the province with the normal is most accurately and conveniently shown in the form of a percentage. The figures representing the rainfall for the month, calculated in this way, are included in the table below under the heading of August. This table really gives a condensed summary of the rainfall statistics of the present year up to date for each meteorological division, the first eight divisions giving the actual average rainfalls in each division in each month expressed as a percentage of the normal, while the ninth column gives the total rainfall for the first eight months expressed as a percentage of the normal rainfall for that period:—

METEOROLOGICAL DIVISIONS.	January.	February.	March.	April.	May.	June.	July.	August.	Actual rainfall of first eight months of 1891 expressed as a percentage of the normal fall for the period.
Orissa	11	167	424	:6	134	28	74	139	98
South-West Bengal ...	53	193	308	60	170	61	94	84	99
East Bengal ...	2	311	98	180	151	71	100	65	95
North Bengal ...	78	377	239	77	140	53	117	46	88
North Behar ...	171	233	590	19	172	94	83	65	94
South Behar ...	253	150	784	30	165	88	86	83	101
Chutia Nagpur ...	163	91	506	30	148	47	97	93	98

It will be seen that there has been a very serious deficiency of rainfall in August in North Bengal, where the defect equals 54 per cent., and a rather less serious deficiency in East Bengal and North Behar, where the defect is 35 per cent. South-West Bengal, South Behar, and Chutia Nagpur have received fairly normal falls though still in defect,

but in Orissa an excess fall of 39 per cent. is registered. For the whole year up to the end of August the rainfall in all divisions except North Bengal has been within about five per cent. of the normal amount, but in North Bengal there has been a defect of 12 per cent.

The variations in the amounts of rainfall in different districts of the province is very large, and thus at some of the stations in Chutia Nagpur and Orissa, at Saugor Island and at Cox's Bazar, and at some stations in the Darjeeling Hills, falls of about 20 inches and upwards have occurred; while, on the other hand, over a large part of North Bengal falls of only from three to five inches have been recorded. The greater part of the province has, however, received more than ten inches of rain in the month. Compared with the normal, it may be roughly said that if a line is drawn in a north-westerly direction from the middle of the Sunderbuns to Buxar, the whole of the country to the south and west of this line has received rainfall in excess of the normal, and to the east and north of this line the falls have been in defect. The defects over part of North Bengal exceed ten inches of rain, and at some stations even exceed twenty inches, while in South-East Bengal also some stations show defects of ten and fifteen inches. The greater part of the area showing defective rainfall is from three to six or seven inches of rain short. On the other hand, a considerable area in the south of the province has received a fall more than five inches in excess of the usual amount.

The following table gives full data for the comparison of the actual and normal rainfall of the month of August in all districts of the province. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance or weight being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past fifteen years; the second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district; the third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage; the fourth column states as a percentage how much the district rainfall of the month varied from the normal:—

Percentage Table for August 1891.

Division.	District.	Normal district rainfall for August.	Actual district rainfall for August 1891.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (−).
Orissa ...	Pooree	11·46	14·16	124	+ 24
	Cuttack	12·20	17·26	141	+ 41
	Balasore	11·77	16·09	137	+ 37
South-West Bengal	Midnapore	13·25	19·27	145	+ 45
	24-Pergunnahs	13·72	13·56	99	− 1
	Howrah	14 28	11·56	81	− 19
	Hooghly	14·21	11·78	83	− 17
	Burdwan	12·36	13·63	110	+ 10
	Bankoora	13·78	14·67	106	+ 6
	Beerbhoom	13·67	11·72	86	− 14
	Nuddea	12·19	7·54	62	− 38
	Khoolna	12 48	8 10	65	− 35
	Jessore	11·54	6 55	57	− 43
	Moorshedabad	11·79	4·53	38	− 62
East Bengal ...	Chittagong	23·48	15·06	64	− 36
	Backergunge	16·14	11·35	70	− 30
	Noakholly	23·49	11·64	50	− 50
	Furreedpore	12·08	6 43	53	− 47
	Dacca	12·38	9·24	75	− 25
	Tipperah	16·37	9·12	56	− 44
	Mymensingh	14·07	12·19	87	− 13
North Bengal ...	Pubna	11·95	5·94	50	− 50
	Bogra	11·81	6·16	52	− 48
	Rajshahye	11·48	9 31	81	− 19
	Maldah	12·03	3·20	27	− 73
	Dinagepore	11·87	4·68	39	− 61
	Rungpore	12·35	3·92	32	− 68
	Cooch Behar	20·04	9·72	49	− 51
	Julpigoree	24·94	11·79	47	− 53
	Darjeeling	25·45	22·27	88	− 12
North Behar ...	Purneah	14·63	5·77	39	− 61
	North Bhagulpore	11·87	6 08	51	− 49
	Durbhunga	10·71	10·73	100	− 0
	Mozufferpore	10·11	6·91	68	− 32
	Chumparun	12·18	8·29	68	− 32
	Sarun	10·21	6·81	67	− 33
South Behar ...	Shahabad	11·40	11·01	97	− 3
	Gya	11·71	10·62	91	− 9
	Patna	10·58	7·40	70	− 30
	Monghyr	11·21	9·64	86	− 14
	South Bhagulpore	11·23	10·13	90	− 10
	Sonthal Pergunnahs	12·79	10·14	79	− 21
Chutia Nagpur ...	Hazaribagh	13·07	11·39	87	− 13
	Lohardugga	12·51	14·98	120	+ 20
	Singbhoom	13 83	17·30	125	+ 25
	Manbhoom	12·87	10·65	83	− 17

In Assam during August, Silchar has received 21·81 inches of rain, Sibsagar 17·02 inches and Dhubri only 7·70 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of August 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	94·4	72·6	86·3	78·0	82·2	—0·8	15·89	11·41	+4·48	17·00	15·43	+1·57	31·75	34·88
South-West Bengal	95·6	74·1	88·4	78·6	83·5	+0·3	10·73	12·71	—1·98	15·59	16·30	—0·71	35·19	37·49
East Bengal	94·3	69·9	87·3	77·7	82·5	+0·7	10·38	15·96	—5·58	16·64	18·56	—1·92	49·11	54·95
North Bengal	95·8	74·1	89·3	78·5	83·9	+0·8	6·30	13·87	—7·51	9·72	15·59	—5·87	40·40	50·79
North Behar	96·2	72·7	90·4	78·8	84·7	+0·9	7·48	11·60	—4·12	11·13	13·49	—2·30	30·48	34·43
South Behar	96·3	73 8	89·5	78·7	84·1	+0·5	9·47	11·38	—1·91	14·00	13·98	+0·02	28·95	31·68
Chutia Nagpur	88·7*	60·4*	82·9*	72·6*	77·8*	—0·1*	12·62	13·56	—0·94	18·18	17·53	+0·65	33·02	36·32
Assam	99·1	73·8	89·7	77·9	83·8	+0·7								

* Chyobassa not included.

METEOROLOGICAL OFFICE, BENGAL ;
The 15*th September* 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 6th to 12th September 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature: Daily mean.	Temperature: Maximum.	Temperature: Range.	Temperature: Minimum.	Hygrometry: Dry bulb at 10 A.M.	Hygrometry: Wet bulb at 10 A.M.	Hygrometry: Vapour pressure at 10 A.M.	Hygrometry: Dew point at 10 A.M.	Hygrometry: Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
September...	6th ...	29·607	81·7	86·7	10·1	76·6	80·1	78·5	·956	77·9	93	0·31
,, ...	7th ...	·652	84·2	90·0	11·7	78·3	86·6	81·3	·992	79·0	80	0·24
,, ...	8th ...	·672	84·3	90·2	11·9	78·3	86·1	80·5	·967	78·2	78	Nil
,, ...	9th ...	·686	83·1	88·0	9·2	78·8	85·6	81·3	1·011	79·5	83	0·01
,, ...	10th ...	·681	84·4	91·0	13·2	77·8	86·6	80·5	·960	78·0	78	0·77
,, ...	11th ...	·686	84·2	91·0	13·6	77·4	86·1	81·0	·992	79·0	80	0·56
,, ...	12th ...	·720	83·9	89·0	10·3	78·7	84·6	79·7	·916	77·5	79	0·05

	Value
	Inches.
The mean 10 A.M. pressure of the seven days	29·672
	°
The mean temperature of the seven days	83·7
The extreme variation of temperature	14·4
The maximum temperature	91·0
	%
The mean 10 A.M. relative humidity of the seven days	81
	Inches.
The total fall of rain from 6th to 12th September 1891	1·94

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLILAND,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 14th September 1891.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·643	29·592	—	Calm	96	90·7	10th Sept.	76·6	10th Sept.	85·8	78·9	82·4	—	81·2
		Gopalpore	29·656	29·617	—·014	SWly	206	89·2	8 & 9 ,,	76·3	10th ,,	87·0	77·7	82·2	—1·5	81·3
		False Point	29·653	29·616	—·055	WSW	192	89·5	10th ,,	73·6	12th ,,	85·1	76·3	80·7	—2·4	79·8
	Cuttack	Cuttack	29·500	29·613	—·048	Wly		92·4	8th ,,	74·8	12th ,,	87·2	76·5	81·9	—1·4	81·1
	Balasore	Balasore	29·596	29·596	—·057	Variable	93	89·4	11 & 12 ,,	74·8	7 & 11 ,,	85·8	76·4	81·2	+0·2	79·6
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·630	29·599	—·070	Ely	257	89·7	12th ,,	77·5	6th ,,	87·7	78·4	83·1	—0·4	81·4
	Midnapore	Midnapore	29·521	29·615	—·065	SE	169	91·3	11th ,,	76·1	6th ,,	89·6	77·5	83·5	+0·6	82·1
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·653	29·620	—·052	E & ESE	110	90·6	11th ,,	76·7	6th ,,	87·6	77·9	82·8	+0·3	81·6
	Burdwan	Burdwan	29·591	29·636	—·044	SE	83	92·6	11th ,,	78·4	6 to 9 ,,	90·1	78·8	84·5	+0·5	82·2
	Bankoora	Bankoora	29·351	29·599	—·059	E & Calm	96	91·1	11 & 12 ,,	77·5	6, 7 & 10 ,,	88·7	78·1	83·4	0	81·2
	Beerbhoom, West Burdwan	Raneegunge	29·353	29·616	—·031	Variable	69	91·5	12th ,,	76·4	6 & 7 ,,	88·6	78·0	83·3	+0·5	81·1
	Moorshedabad	Berhampore	29·622	29·638	—·043	E	100	92·7	11th ,,	77·3	6 & 8 ,,	89·6	78·2	83·9	+0·4	81·8
	Nuddea	Krishnaghur	29·633	29·628	—·040	ESE	135	92·8	11th ,,	77·2	6 & 10 ,,	89·7	78·0	83·8	+1·4	83·0
	Jessore, Khoolna	Jessore	29·654	29·634	—·053	SSE	109	92·7	11th ,,	77·4	6th ,,	89·3	79·3	84·3	+0·8	83·1
East Bengal.	Chittagong	Chittagong	29·650	29·683	—·046	SE	95*	91·7	10th ,,	75·1	12th ,,	88·4	76·4	82·4	+1·2	82·1
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·688	29·645	—·044	SEly & Calm	99	91·8	11th Sept.	77·8	6 & 7 ,,	88·5	78·9	83·7	+2·2	82·3
	Noakhally	Noakholly	29·676	29·656	—·038	SE	205	91·5	11th ,,	77·3	7th ,,	87·7	78·6	83·1	+1·6	82·2
	Furreedpore	Furreedpore	29·680	29·637	—·022	SE	91	91·5	11th ,,	77·4	6 & 7 ,,	88·6	79·0	83·8	+1·7	82·7
	Dacca	Dacca	29·690	29·660	—·036	ESE & SE	163	92·1	11th ,,	78·2	6 & 7 ,,	89·6	79·2	84·4	+1·0	82·7
	Commillah	Commillah	29·690	29·673	—·033	SE	76	93·3	11th ,,	75·8	6 & 11 ,,	89·4	76·9	83·2	+1·6	81·6
	Mymensingh	Mymensingh	29·674	29·682	—·023	ESE	118	92·7	11th ,,	78·6	11th ,,	89·2	79·0	84·1	+1·8	82·6
North Bengal.	Bogra	Bogra*	29·637	29·649	—·008	ESE	97	93·8	11th ,,	78·2	6, 7 ,,	90·5	79·2	84·9	+2·4	83·2
	Pubna	Serajgunge	29·664	29·660	—·020	E & SE	58	92·6	11th ,,	74·7	6th ,,	89·5	78·6	84·1	+1·6	82·2
	Rajshahye	Rampore Beauleah.	29·628	29·617	—·023	SE	109	90·8	11th ,,	77·6	6 & 7 ,,	88·4	78·9	83·7	+1·7	82·9
	Maldah	Maldah	29·617	29·618	—	E & SE	91	95·6	11th ,,	78·9	10th ,,	92·1	79·7	85·9	—	84·5
	Dinagepore	Dinagepore	29·598	29·665	—·032	E	40	93·6	11th ,,	78·7	6 & 7 ,,	91·1	79·6	85·3	+2·6	84·0
	Rungpore	Rungpore	29·612	29·688	+·005	E & ESE	58	93·8	11th ,,	77·7	7 & 9 ,,	91·7	78·6	85·1	+2·7	83·3
	Julpigoree, Cooch Behar	Julpigoree	29·441	29·667	+·006	Variable	75	93·4	11th ,,	77·1	10 & 11 ,,	90·8	77·7	84·3	+2·5	82·3
	Darjeeling Hill Tracts	Darjeeling	22·977	—	—·002	Calm	81	69·1	9th ,,	56·7	12th ,,	67·6	57·9	62·8	+2·2	60·7
North Behar.	Purneah, North Bhagulpore	Purneah	29·581	29·658	—·021	Calm & Ely	41	94·2	11th ,,	76·7	7th ,,	92·1	77·6	84·9	+1·8	83·2
	Mozufferpore	Mozufferpore	29·497	29·627	—	ESE	161	94·3	12th ,,	79·2	7 & 11 ,,	91·6	79·9	85·8	—	83·7
	Durbhunga	Durbhunga	29·536	29·654	—·021	ESE	121	94·4	11 & 12 ,,	79·0	6 to 8 ,,	92·3	79·9	86·1	+2·6	84·4
	Chumparun	Motihari	29·465	29·645	—·015	ENE	161	95·2	12th ,,	77·9	11th ,,	92·9	79·2	86·1	+2·9	84·4
	Sarun	Chupra	29·496	29·628	—·014	E	146	95·3	12th ,,	78·1	9th ,,	92·3	79·3	85·8	+2·3	84·5
South Behar.	Shahabad	Dehree	29·292	29·595	—·068	SEly	180	94·3	12th ,,	78·0	7,8,11&12,,	90·7	78·7	84·5	+2·3	83·7
		Buxar	29·421	29·610	—·047	E	218	92·9	11 & 12 ,,	77·2	12th ,,	90·8	78·6	84·7	+1·3	84·1
		Arrah	29·471	29·611	—·034	Ely	32*	94·4	12th ,,	77·0	12th ,,	92·3	79·3	85·8	+1·9	84·7
	Gya	Gya	29·283	29·609	—·040	E	142	94·5	12th ,,	77·8	7th ,,	91·5	79·2	85·4	+1·1	82·2
	Patna	Bankipore	29·402	29·625	—·044	E	174	94·0	12th ,,	80·2	7 & 8 ,,	92·3	81·1	86·7	+1·9	85·2
	South Bhagulpore, Monghyr	Bhagulpore	29·524	29·630	—·027	Calm	61	94·2	11th ,,	78·5	7 & 8 ,,	90·8	79·2	85·0	+2·2	84·6
	Sonthal Pergunnahs	Doomka	29·190	29·633	—·028	Ely	138	91·6	11th ,,	75·5	8th ,,	88·5	77·1	82·8	+1·0	82·1
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·674	29·615	—·046	SE	226	88·7	12th ,,	71·8	8th ,,	85·1	72·8	79·0	+0·7	76·4
	Lohardugga, Manbhoom	Ranchee	27·546	29·604	—·051	Variable	169	85·5	12th ,,	70·9	6 & 9 ,,	82·8	71·6	77·2	+0·3	75·1
	Singbhoom	Chyebassa	28·884	29·589	—·054	NE	38	89·9	11 & 12 ,,	75·2	6 & 7 ,,	87·9	76·3	82·1	—0·3	79·0
Assam.	Sibsagar	Sibsagar	29·399	29·685	—·056	S		93·6	11 & 12 ,,	78·0	8 & 9 ,,	91·2	79·0	85·1	+1·7	81·3
	Goalpara	Dhubri	29·617	29·686	—·012	SWly	81	92·2	7th ,,	78·8	6 & 12 ,,	90·1	79·4	84·8	+2·6	81·7
	Cachar	Silchar	29·642	29·607	—·033	Calm		93·1	11th ,,	75·3	10th ,,	92·9	76·2	84·6	+1·5	80·1

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last . The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 12th of September 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 10th May 1891. Mean for district.	Since 10th May 1891. Normal mean.	Since 10th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
87	8·0	3·88		2·87		5·38			39·42			3 31	Pooree ...	Pooree	Orissa.
83	6·9	0·75											Gopalpore ...		
90	9·6	7·82											False Point ...		
81	8·6	19·42		2·16		4·61			39·63			3·07	Cuttack ...	Cuttack	
91	6·4	5·55		2·70		5·22			40·52			3 34	Balasore ...	Balasore	
91	8·4	1·93	2 36	2·73	8·21	6·29	+1·92	51·63	48·02	+3 61	4·07	3·60	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
87	3·9	3·25	2·56	1 90	3·97	4·21	−0·24	41·99	43 24	−0·25	4·67	2 81	Midnapore ...	Midnapore	
90	8·0	3·14	1·81	1·78	3·59	4·71	−1·12	35·62	42 37	−6·75	3·30	2·05	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
82	6·0	0·76	0·87	2·09	1·44	4 18	−2 74	40·00	38 10	+1·90	2·33	2·82	Burdwan ...	Burdwan	
90	7·7	0·89	1·22	1·85	2·34	4 36	−2·02	42·94	44·04	−1·10	3 00	2 76	Baukoora ...	Baukoora	
87	2·7	0·80	0·97	2·37	2·34	5 44	−3·10	38·99	43 62	−4·63	3 00	2·85	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
87	7·3	0·16	0·54	2·51	1·90	5·56	−3·66	32·6?	40·53	−7·88	1·33	3 09	Berhampore ...	Moorshedabad ...	
83	5·6	1·03	1·02	2 11	1·91	4·54	−2·61	34 66	39 75	−5·09	2·40	2·55	Krishnagur ..	Nuddea	
87	7·9	0·75	0·82	2·13	1·69	4·79	−3 10	35·66	43·15	−7·49	2·23	2·08	Jessore ...	Jessore ... ... Khoolna	
83	6·7	0·14	0·65	2·88	1·41	8 30	--6·95	76·66	96 37	−19·71	3·00	3 35	Chittagong ...	Chittagong	East Bengal.
			0·81	3·23	2·37	6·63	−4·26	59·71	67 29	−7·58	3·00	3 80	Demagiri ...	Chittagong Hill Tracts	
86	6·7	1·80	1·16	2·55	2·62	6·05	−3·43	47·95	62·30	+4·35	3·50	3 14	Barrisal ...	Backergunge	
87	2·0	0·50	0·62	3·55	1·41	8·94	−7·53	58 57	88 79	−30·22	2·00	3·55	Noakhally ...	Noakhally	
88	4·9	0·63	0·73	1·85	1·82	4 87	--3·05	33·07	45·14	−12·07	2·00	2 59	Furreedpore ...	Furreedpore	
85	6·7	0·01	0·23	1·97	1·58	5 71	−14·13	44·37	40·77	−3·40	1·25	2·59	Dacca ...	Dacca	
84	2·3	0·50	0·59	2·13	1·32	5·91	−4·59	47·62	56·09	−8·47	1·75	2 91	Commillah ...	Commillah	
87	5·9	0 10	0·14	2·72	0·90	6·29	−5·39	56·16	55·71	+0·45	0·50	3·04	Mymensingh ...	Mymensingh	
85	4·4	0·09	0·06	2·10	0·76	4 95	−4·19	32·37	46·24	−13·87	0·25	2·45	Bogra ...	Bogra	North Bengal.
80	6·9	0·20	0·24	2·57	0·68	5·68	−5·01	30·57	42 76	−12·19	1·00	2 60	Serajgunge ...	Pubna	
87	4·6	1·03	0·42	2·32	0·90	5 80	−4·90	36·80	43·21	−6·40	1·33	2 62	Rampore Beauleah	Rajshahye	
84	3·3	0·03	0·02	3·24	0·71	6·62	−5·91	26·86	45·04	−18·18	0·00	2 99	Maldah ...	Maldah	
85	5·1	—	0·11	3 27	0·84	6·74	−5·90	36·99	48·16	−11·17	0·40	2·68	Dinagepore ...	Dinagepore	
85	1·4	Nil	0·03	3·11	0·94	7·04	−6·10	47·20	60·95	−13·75	0·50	2 46	Rungpore ...	Rungpore	
89	0·9	0·52	0·36	4·01	1·27	10 09	−8·82	60·66	92·90	−32·24	0·80	2 91	Julpigoree ...	Julpigoree ... ... Cooch Behar	
96	8·6	0·30	1·26	3·60	4·38	9 54	−5·16	69 34	106·47	−37·13	2·25	3 72	Darjeeling ...	Darjeeling Hill Tracts	
86	4 0	Nil	0·02	3·86	0·27	7·28	−7·01	30·11	49·05	−18·64	0·00	2 97	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
86	3·1	Nil	0 24	1·62	0·84	3·98	−3·14	32·91	34·63	−1·72	0·67	2 10	Mozufferpore ...	Mozufferpore	
84	3·1	0·20	0·12	2·02	0·76	4·98	−4·22	35·07	36·82	−1·75	0·67	2 28	Durbhunga ...	Durbhunga	
81	4·7	Nil	0·07	1·59	0·60	3·76	−3·16	32·87	37·24	−4·37	0·50	3 21	Motihari	Chumparun	
86	3·0	0·52	0·24	1·97	0·69	3·69	−3·00	25·94	33·82	−7·88	0·67	2·26	Chupra ...	Sarun	
84	4·3	0·75											Dehree ...		South Behar.
84	4·9	0·55	0·97	1·94	2·12	3·99	−1·87	21·44	33 10	−11·66	2·29	2·14	Buxar ...	Shahabad	
85	1 0	0·62											Arrah ...		
86	5·7	?	0·45	1·91	1·57	3 81	−2·24	27·36	34 84	−7·48	1·50	2 34	Gya ...	Gya	
79	7·6	0·11	0·60	1·62	1·05	3·61	−2 56	31·79	33·91	−2·12	1·50	2·40	Bankipore ...	Patna	
85	4·7	0·32	0·59	2 22	1·76	4·00	−2·34	34·26	35·79	−1·53	2·20	2 72	Bhagulpore ...	South Bhagulpore ... Monghyr	
83	4·0	0·71	1·55	2·66	2·44	5·58	−3·14	36·79	41 85	−5·06	3·00	2·95	Doomka ...	Sonthal Pergunnahs ..	
88	9·0	0·86		2 27		4·91			42·17			3 52	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
87	8·4	1·86	0·64	2·40 2·48	1·84	5·20 4·37	−2·53	36·56	41·40 39 38	−2·82	2·00	3·54 3 15	Ranchi ...	Lohardugga ... ... Maubhoom	
88	7·7	2·15	1·73	2·52	5·13	4 88	+0·25	39·22	43·85	−4·63	3·60	3·30	Chyebassa ...	Singbhoom	
91	9·0	0·98											Sibsagar	Assam	Assam.
89	6·3	0·38											Dhubri		
93	8·0	3·51											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 12th of September 1891.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 6th Sept.	Monday, 7th Sept.	Tuesday, 8th Sept.	Wednesday, 9th Sept.	Thursday, 10th Sept.	Friday, 11th Sept.	Saturday, 12th Sept.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA	Pooree	Pooree	0·30	0·05	...	...	0·60	1·50	1·50	4	3·95	2·54	7·72	5·20	39·20	34·30
		Khurdah	1·59	0·39		...	1·22	1·58				3·30		5·78		42·53
		Banpur	1·32		0·05	...	0·39					2·51		4·61		45·70
		False Point	0·53	0·10	...	...	0·02	2·48	4·19	4	7·32	3·13	10·30	5·94	46·87	45·15
		Gop										?		?		?
		Satpara	1·00									?		?		?
		Pipli	0·60	...	...	1·25	0·80					?		?		?
	Cuttack	Jagatsingpore	0·40	0·02	1·94	...	0·50	1·20				1·92		3·81		33·69
		Banki	0·69	0·21	...	...	1·99	0·56				2·06		5·16		39·36
		Cuttack	3·01	0·32	1·27	0·01	3·22	1·36	10·97	6	20·06	2·61	22·17	5·52	59·50	44·38
		Kendrapara	0·24	1·03	0·03	0·01	0·07	1·45	6·77	4	9·59	2·05	12·44	4·00	44·10	39·60
		Jajpore	2·48	0·35	...	...	0·28	1·15	2·42	5	6·08	2·18	7·62	4·59	45·13	41·14
		Dharmsala	0·69	...	...	0·16	0·74	4·90				?		?		?
		Salipore	1·80		...	...	0·59	1·16				?		?		?
	Balasore	*Akhoyapada*	2·25	0·30	...	...	0·00	0·31	3·74	4	6·09	?	3·21	?	43·54	?
		Chandbali	1·01	0·47	...	0·10	0·83	3·50	...			2·54		4·53		37·91
		Bhuddruck	1·14	0·65	...	...	0·67	0·75	1·44	5	4·65	2·66	5·65	4·90	43·13	39·28
		Sorah	...	1·10	...	0·40	...	0·90	0·30	4	2·70	2·68	5·00	5·44	38·40	38·38
		Balasore	3·15	0·40	...	0·23	0·44	0·50	0·57	6	5·29	2·89	7·02	5·41	40·94	43·49
		Jellasore										2·80		5·83		41·46
		Baripodah	0·85	...	...	0·28	0·25	0·69	0·08	4	2·15	2·61	5·50	5·14	46·52	42·50
SOUTH-WEST BENGAL.	Midnapore	Contai	1·85	0·21	...	...	0·44	0·53	0·15	5	3·18	2·65	9·38	6·28	42·14	46·59
		Saugor Island	0·37	0·41	0·08	...	0·43	0·26	0·38	5	1·93	3·41	9·72	6·18	61·58	50·25
		Tumlook	0·44	0·32	...	...	0·94	1·10	0·60	5	3·45	2·22	4·82	4·88	48·62	41·97
		Midnapore	0·75	0·74	...	0·24	0·37	0·04	0·65	5	2·78	1·86	4·16	3·76	43·85	30·30
		Ghattal	0·72	0·10	...	0·07	0·24	0·22	0·09	4	1·44	1·62	2·91	4·00	41·89	45·33
		Kukrahaty	0·15	0·50	...	...	0·60	0·18	0·15	5	1·58	?	4·73	?	34·98	?
		Garbetta	0·91	0·10	...	...	0·26	...	0·35	4	1·62	?	2·53	?	41·07	?
	24-Pergunnahs	Diamond Harbour	0·10	0·30	...	0·07	0·35	0·82	0·03	4	1·67	2·14	5·23	6·13	50·84	47·20
		Canning Town	0·03	0·50	...	...	0·17	...	0·05	2	0·75	?	2·93	?	83·23	?
		Alipore Jail	0·84	0·12	...	...	0·75	1·03	0·25	5	2·96	2·09	4·98	5·82	36·24	45·56
		Barrackpore	...	...	0·08	0·17	...	2·72	0·00	2	3·00	1·53	6·57	4·01	38·57	40·98
		Dum-Dum	...	0·72	...	0·30	0·30	0·31	0·19	5	1·82	1·66	4·25	5·02	32·40	42·50
		Baraset	...	0·05	0·02	...	0·60	...	0·03	1	0·70	1·78	1·42	4·90	36·71	39·58
		Buseerhat	...	0·81	...	...	0·45	...	...	2	1·26	1·66	2·01	4·99	33·17	41·42
	Howrah	Howrah	0·13	0·80	...	...	0·21	0·40	0·02	4	1·61	1·72	3·14	5·12	31·41	42·09
		Mohesreka	0·20	0·06	0·04	0·01	0·07	0·28	0·26	3	0·85	?	2·64	?	34·54	?
		(*Oolobariah*)	0·18	0·15	...	0·07	0·37	0·74	0·12	5	1·65	1·90	2·72	4·35	?	42·60
	Hooghly	Serampore	0·01	...	...	0·33	...	1·93	0·33	3	2·60	1·53	4·32	4·34	36·60	41·24
		Hooghly	...	0·35	0·01	...	0·10	1·22	0·62	4	2·39	1·07	4·12	4·03	35·80	39·84
		Jehanabad	0·10	0·31	0·11	0·21	0·07	...	0·08	4	0·88	2·30	2·44	4·56	38·70	44·93
	Burdwan	Culna	0·18	0·88	0·04	...	...	...	0·68	2	1·18	1·86	2·27	3·55	39·87	36·09
		Burdwan	0·11	0·11	0·01	0·08	...	0·09	0·36	3	0·76	2·10	0·92	4·36	44·11	39·33
		Cutwa	0·14	0·51	...	...	...	0·03	...	2	0·68	2·23	1·13	4·61	36·03	38·90
		Raneegunge	0·24	0·11	0·02	0·41	...	...	...	3	0·80	1·82	1·98	4·41	40·54	41·91
		Mankur	...	...	0·11	...	...	...	...	1	0·11	?	0·61	?	44·15	?
	Bankoora	Bankoora	0·44	0·19	0·02	0·01	0·14	...	0·09	3	0·89	2·35	2·63	4·45	40·24	42·81
		Bishenpore	0·35	0·07	...	0·27	0·08	...	0·72	3	1·49	1·45	2·58	4·12	47·95	43·51
		Maliara	0·17	0·12	0·03	0·37	...	...	...	3	0·69	1·21	1·24	3·15	46·41	43·02
		Khatra	...	0·60	...	0·72	...	...	0·50	3	1·82	2·40	2·92	5·74	37·15	40·80
		Indas	...	0·78	...	...	0·25	...	0·12	3	1·15	?	1·94	?	41·21	?
		Kotalpore	0·12	0·60	...	...	...	...	0·25	3	0·97	?	2·57	?	44·63	?
		Anda	1·03	...	...	1·44	...	...	0·27	3	2·74	?	0·58	?	37·12	?
		Gangajalghati	0·24	...	...	0·08	...	...	...	1	0·32	?	1·23	?	42·43	?
		Raipore	...	0·90	...	0·22	...	...	...	2	1·12	?	2·76	?	53·35	?
		Sonamukhi	0·88	0·86	...	...	...	...	...	2	1·74	?	2·30	?	47·56	?
	Beerbhoom	Bh. Soory	0·57	0·12	0·09	0·45	...	...	0·03	3	1·26	2·53	3·04	5·87	43·08	45·06
		Hetampore	0·73	0·11	0·07	0·05	...	0·03	...	2	0·99	2·48	2·15	5·42	39·22	45·70
		Rampore Haut	0·17	0·15	0·35	0·01	...	0·14	0·02	4	0·84	2·64	2·21	6·06	33·10	41·95
		Bolpore	...	0·71	...	...	...	...	...	1	0·71	?	1·84	?	42·15	?
		Murari	...	...	...	...	...	1·43	...	1	1·43	?	2·89	?	32·73	?
	Nuddea	Ranaghat	0·09	0·72	0·02	...	...	0·97	0·15	3	1·95	1·70	3·54	4·01	36·12	38·90
		Kishnaghur	0·31	0·61	...	...	0·01	0·03	0·07	2	1·03	1·71	1·64	4·02	33·03	36·70
		Chooadanga	0·19	0·46	0·05	...	...	0·20	...	3	0·90	2·76	1·71	5·38	36·37	40·98
		Meherpore	...	0·50	...	...	...	0·04	...	1	0·54	1·97	1·64	4·13	35·54	39·17
		Kooshtea	0·10	0·40	...	0·03	...	0·15	...	3	0·68	2·32	1·04	5·16	30·34	43·03
	Khoolna	Satkhira	0·04	0·62	...	0·02	0·28	...	...	2	0·96	2·16	1·84	4·56	37·78	44·68
		Bagirhat	...	...	...	...	...	...	...	Nil	Nil	2·57	0·56	5·80	42·67	50·18
		Khoolna	0·07	0·09	...	...	0·05	...	0·10	1	0·31	2·57	0·38	5·53	30·04	44·79
		Nakipur	...	0·73	...	...	...	...	...	1	0·73	?	2·97	?	?	?
		Rampal	...	...	...	...	...	...	...	Nil	Nil	?	0·90	?	31·53	?
	Jessore	Narail	0·09	0·77	...	0·55	...	...	...	2	1·41	1·55	2·62	4·04	31·02	37·57
		Jessore	0·19	0·26	...	0·09	0·16	...	0·05	3	0·75	1·75	2·80	4·48	38·78	44·14
		Jhenidah	0·14	0·37	...	...	...	0·04	0·16	3	0·71	2·16	1·15	4·60	31·61	42·84
		Magoorah	0·17	0·12	...	0·13	...	0·95	...	4	1·37	1·79	1·55	4·73	34·39	40·06
		Bongong	0·20	0·10	...	...	...	...	0·72	3	1·02	2·51	2·46	4·63	38·05	40·92
	Moorshedabad	Kandi	0·24	0·55	0·22	...	...	...	...	3	1·01	2·00	1·51	5·32	29·36	40·77
		Berhampore	0·04	0·06	...	...	...	0·06	...	Nil	0·16	2·39	1·90	5·46	31·60	40·23
		Lalbagh	0·06	0·05	0·28	...	...	0·04	...	1	0·43	2·46	3·26	5·39	34·45	39·11
		Azimgunge	...	0·09	0·34	...	...	...	0·24	2	0·67	2·53	1·53	5·26	28·91	41·16
		Jungipore	0·05	...	0·35	...	...	...	...	1	0·40	2·81	1·48	6·31	34·20	40·82
		Lalgola	...	...	...	0·55	...	...	...	1	0·55	2·18	1·60	5·65	37·14	41·06
		Akarigunj	0·09	0·26	...	...	...	...	...	1	0·35	?	1·11	?	35·74	?
		Patkabari	0·20	...	...	...	...	...	0·30	2	0·50	?	1·45	?	35·45	?
EAST BENGAL	Chittagong	Cox's Bazar	0·20	0·31	...	0·07	0·29	0·10	0·13	5	1·10	2·63	1·96	8·80	90·61	113·45
		Chittagong	...	...	...	...	0·05	0·02	0·12	1	0,19	3·12	0,85	7·91	62·69	79·26
		Kutubdia										?		?		?
		Satkanya	0·19	...	...	...	1·04	0·50				?		?		?
	Chittagong Hill Tracts.	Rangamati	0·36	...	0·21	...	...	0·09	0·15	3	0·81	3·23	2·37	6·63	59·71	67·20
		Bundarban	...	...	...	...	...	...	0·90	1	0·90	?	1·44	?	91·38	?
	Backergunge	Patuakhally	0·35	0·44	...	...	...	...	0·13	3	0·92	3·12	2·79	7·25	53·61	73·15
		Perozepore	0·11	...	...	0·14	...	...	0·26	3	0·51	2·17	1·41	5·80	50·33	65·81
		Burrisal	0·23	1·16	0·06	0·05	...	0·05	0·12	3	1·67	2·37	3·66	5·98	43·61	53·66
		Bhola	0·12	0·55	0·30	...	0·39	...	0·19	5	1·55	2·54	2·41	5·78	44·23	67·52

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 12th of September 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 6th Sept.	Monday, 7th Sept.	Tuesday, 8th Sept.	Wednesday, 9th Sept.	Thursday, 10th Sept.	Friday, 11th Sept.	Saturday, 12th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
East Bengal—concld.		*Gournaddi* ...	0·92	0·38	......	0·20	......	......	0·44	4	1·94	?	3·44	?	39·63	?
		Bauphal ...	......	2·80	0·04	......	......	......	0·83	2	3·6[illegible]	?	6·78	?	48·10	?
	Noakholly ...	Noakholly ...	0·12	0·27	......	......	......	......	0·14	3	0·53	3·80	1·28	9·03	60·26	88·83
		Fenny ...	......	......	......	......	......	0·70	......	1	0·70	3·39	1·53	8·84	56·89	88·08
		Harishpore ...	0·25	0·20								?		?		?
		Ramganj ...	0·15	......	0·32							?		?		?
	Furreedpore ...	Madaripore ...	0·13	0·53	......	......	0·07	......	0·35	3	1·08	1·90	2·07	4·45	35·44	45·54
		Furreedpore ...	......	0·30	0·18	0·03	......	......	......	2	0·51	1·77	1·31	5·39	37·05	46·87
		Goalundo ...	0·03	0·45	0·04	......	......	......	0·08	1	0·60	1·87	1·16	4·77	26·71	43·01
	Dacca ...	Munshigunge	0·12	......	0·15	......	......	......	......	2	0·27	2·37	2·18	6·48	41·02	57·00
		Dacca ...	......	......	......	......	......	......	......	Nil	Nil	2·16	0·87	5·90	48·05	48·80
		Narainganj	0·03	......	0·04	......	......	......	......	Nil	0·07	1·40	1·93	5·71	51·85	52·19
		Manickgunge	0·10	0·32	0·02	0·02	......	......	0·10	3	0·56	1·56	1·30	4·74	30·53	41·08
		Joydebpore ...	......	......	0·05	......	......	......	......	Nil	0·05	?	1·90	?	44·46	?
	Hill Tipperah	Agartola ...	......	......	......	......	0·50	0·50	......	2	1·00	2·36	1·80	5·62	50·10	49·19
	Tipperah ...	Comilla ...	......	......	......	......	0·07	......	......	Nil	0·07	2·23	0·20	6·04	47·43	64·27
		Chandpore ...	0·30	......	0·06	0·04	0·37	......	0·11	3	0·88	1·51	2·18	5·71	44·75	61·37
		Brahmunberia	......	......	0·10	......	......	......	0·32	2	0·42	2·42	1·12	6·25	48·21	49·41
		Ramchandrapore ...	......	......	0·08	......	......	......	......	1	0·08	?	0·52	?	44·46	?
		Nasirnagar ...										?		?		?
		Daudkandi ...	......	0·14	......	......	......	......	......	1	0·14	?	1·24	?	42·89	?
		Kasba ...										?		?		?
		Laksham ...	......	......	......	......	0·91	......	0·05	1	0·96	?	0·96	?	52·11	?
	Mymensingh..	Kishoregunge	......	......	......	......	......	0·42	......	1	0·42	2·79	1·23	6·83	71·89	56·62
		Atia (*Tangail*)	......	0·14	......	......	......	......	......	1	0·14	2·05	1·05	4·87	34·03	43·98
		Mymensingh	0·01	......	......	......	0·05	0·04	......	Nil	0·10	3·17	0·46	0·51	48·75	50·14
												2·66		6·85		51·48
		Jamalpore ...	......	......	......	......	......	......	......	Nil	Nil	2·93	1·25	6·36	74·17	67·31
		Netrakona ...	......	......	......	......	......	......	......	Nil	Nil	?	1·30	?	34·27	?
		Subornakhally	......	0·40	......	......	......	......	......	1	0·40	?	2·38	?	76·66	?
		Durgapore ...	......	......	......	......	......	......	......			?		?		?
		Sherepore Town										?		?		?
		Dewanganj ...														
North Bengal.	Pubna ...	Pubna ...	0·03	0·07	......	0·07	......	0·11	......	1	0·28	2·72	0·77	6·13	24·30	43·14
		Seraigunge ...	0·10	0·07	......	......	0·03	......	......	1	0·20	2·42	0·59	5·22	36·85	42·29
	Bogra ...	Sherepore ...	......	0·04	......	......	......	......	......	Nil	0·04	1·67	0·94	4·70	24·03	44·83
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	1·75	0·54	3·54	35·13	42·29
		Bogra ...	......	......	0·09	......	......	......	......	Nil	0·09	2·28	0·86	5·44	33·14	49·92
		Panchbibi ...	......	......	0·12	......	......	......	......	1	0·12	2·68	0·70	6·11	36·60	45·87
	Rajshahye ...	Beauleah ...	......	0·59	......	......	0·29	......	......	2	0·88	2·57	1·11	5·57	37·26	41·94
		Nattore ...	......	0·05	......	0·15	0·11	......	......	2	0·31	2·06	0·78	6·07	46·45	43·83
		Naogaon ...	......	0·08	......	......	......	......	......	Nil	0·08	2·34	0·83	5·76	26·72	43·82
		Lalpore ...	0·30	......	......	......	......	......	......	1	0·30	?	0·85	?	33·04	?
		Mande ...	......	......	......	......	......	......	......	Nil	Nil	?	1·14	?	23·21	?
	Maldah ..	Maldah ...	0·01	......	0·02	......	......	......	......	Nil	0·03	2·72	0·60	6·57	29·26	41·57
		Chanchal ...	......	......	......	......	......	......	......	Nil	Nil	3·76	0·52	6·66	24·44	48·47
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	?	1·45	?	38·71	?
		Sibganj ...	0·20	0·20	0·03	0·03	0·13	......	......	3	0·59	?	0·71	?	37·45	?
	Dinagepore ..	Mohadebpore	......	0·06	......	0·10	......	......	0·14	2	0·30	2·39	1·54	5·83	24·91	47·33
		Churamon ...	......	......	......	......	......	......	......	Nil	Nil	4·25	1·57	7·75	38·01	45·29
		Raigunge ...	......	......	......	......	......	......	0·40	1	0·40	3·15	0·72	6·91	50·75	49·76
		Dinagepore ...	......	......	......	......	......	......	......	Nil	Nil	3·09	0·37	6·49	36·41	53·02
		Baloorghat ..	......	......	......	......	......	......	......	Nil	Nil	3·48	0·17	6·73	35·04	45·48
		Thakoorgaon	......	......	......	......	......	......	0·11	1	0·11	?	1·04	?	55·88	?
	Rungpore ..	Bhawaniganj (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	2·75	1·12	6·60	45·54	49·32
		Rungpore ...	......	......	......	......	......	......	......	Nil	Nil	3·37	2·26	7·47	51·26	61·70
		Kurigram ...	......	......	......	......	......	0·04	......	Nil	0·04	2·66	0·04	6·42	43·51	61·95
		Bagdogra (*Nilphamari*)	......	......	......	......	......	......	0·08	Nil	0·08	3·44	0·35	7·63	48·37	71·28
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	0·19	?	44·53	?
	Julpigoree ...	Julpigoree ...	......	......	......	0·23	......	......	0·57	2	0·80	5·51	1·07	11·56	50·35	95·99
		Alipore Dooar	......	......	......	......	......	......	0·95	1	0·95	?	3·13	?	65·31	?
		Fallacotta ...	......	......	......	......	......	......	0·45	1	0·45	?	2·07	?	55·45	?
		Debiganj ...	......	......	......	......	......	......	2·02	1	2·02	?	2·76	?	58·02	?
		Bhagatpore (Nagrakatta)	0·37	0·01	1·74	0·13	......	......	0·21	4	2·46	?	4·67	?	72·87	?
	Cooch Behar.	Dinhatta ...	0·06	......	......	......	......	0·08	1·66	1	1·80	3·46	1·89	9·06	59·54	79·30
		Cooch Behar...	......	......	......	......	......	......	0·12	1	0·12	4·62	1·84	10·88	65·43	100·03
		Mekliganj...	......	......	......	......	......	......	0·07	Nil	0·07	3·27	0·45	9·54	63·18	91·81
		Mathabhanga...	0·03	......	......	......	......	......	......	Nil	0·03	3·20	1·11	9·42	64·83	95·34
	Darjeeling Hill.	Buxa ...	......	......	0·04	1·30	0·79	......	0·15	3	2·37	6·36	6·30	15·11	96·19	161·70
		Silliguri ...	......	......	......	0·30	......	......	0·79	2	1·09	2·77	4·39	7·67	52·07	96·65
		Darjeeling ...	0·05	0·01	......	0·01	0·22	......	0·01	1	0·30	4·20	1·08	10·10	78·00	93·40
		Kalimpong ...	0·70	0·48	......	0·10	......	......	......	3	1·28	1·95	3·73	5·25	50·39	74·04
		Kurseong ...	0·64	0·11	0·16	3·00	0·87	0·86	0·07	6	5·71	?	14·15	?	98·94	?
North Behar	Purneah ...	Kissengunge...	......	......	......	0·04	......	......	......	Nil	0·04	3·66	0·20	7·68	38·63	50·78
		Arrareah ...	......	......	......	0·05	......	......	......	Nil	0·05	4·05	0·16	7·74	35·99	53·30
		Purneah ...	......	......	......	......	......	......	......	Nil	Nil	5·63	0·02	9·38	26·84	51·96
		Goondwara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	?	?
		Balarampore	......	......	......	......	......	......	0·23	1	0·23	?	0·43	?	19·79	?
		Matiari ...	......	......	1·60	......	......	......	0·20	2	1·80	?	1·80	?	25·03	?
		Kaliaganj ...	......	......	......	0·10	......	......	0·05	1	0·15	?	1·15	?	49·32	?
	North Bhagulpore.	Maddapore ...	......	......	......	......	......	......	......	Nil	Nil	3·09	0·27	6·07	27·83	40·12
		Soopool ..	......	......	......	......	......	......	......	Nil	Nil	2·86	0·69	5·53	22·78	40·13
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	?	2·45	?	33·47	?
	Durbhunga ...	Tajpore ...	......	......	......	......	......	0·15	......	1	0·15	1·71	0·15	4·00	41·13	35·56
		Durbhunga ...	0·12	......	0·08	......	......	......	......	1	0·20	2·00	1·80	5·02	35·14	37·76
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	2·35	0·32	5·91	28·91	37·08
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	?	1·62	?	29·61	?
		Roshera ...	......	......	......	0·10	......	......	......	1	0·10	?	0·10	?	18·38	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	......	......	......	Nil	Nil	1·82	0·75	4·71	44·53	34·69
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	2·00	0·48	4·50	28·55	36·07
		Hajipore ...	0·05	0·20	0·47	......	......	......	......	2	0·72	1·06	1·29	2·74	25·65	33·10
		Pusa ...	......	......	0·31	......	......	......	......	1	0·31	?		?		?
		Mahua ...								Nil	Nil	?	0·60	?	48·23	?
		Sinhar ...										?		?		?
		Pupri ...										?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 12th of Sept. 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 6th Sept.	Rainfall. Monday, 7th Sept.	Rainfall. Tuesday, 8th Sept.	Rainfall. Wednesday, 9th Sept.	Rainfall. Thursday, 10th Sept.	Rainfall. Friday, 11th Sept.	Rainfall. Saturday, 12th Sept.	Total—Number of rainy days.	Total—Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR —*concluded.*	Chumparun ...	Motihari ...	......	......	......	......	......	......	......	Nil	Nil	1·61	0·32	4·51	35·99	35·99
		Bettiah ...	......	......	......	......	......	0·14	......	1	0·14	1·56	0·87	2·99	38·39	38·39
		Bagaha ...	......	......	......	......	0·07	......	......	Nil	0·07	?	0·41	?	?	?
		Burhurwa ..	......	......	0·04	0·08	......	......	......	Nil	0·12	?	0·19	?	?	?
	Sarun ...	Gopalgunge ...	......	......	......	......	......	......	0·10	1	0·10	2·43	0·52	3·88	30·27	34·45
		Sewan ...	......	......	0·02	......	......	0·19	......	1	0·21	1·93	0·08	3·71	27·16	34·31
		Chuprah ...	......	......	0·50	......	......	......	......	1	0·50	1·57	0·93	3·49	20·44	32·70
SOUTH BEHAR	Shahabad	Buxar ...	0·24	0·31	......	......	......	......	......	2	0·55	2·28	2·40	4·22	15·51	31·28
		Dehree ...	......	0·08	0·20	......	0·12	0·35	......	3	0·75	1·68	1·70	4·78	24·39	34·93
		Bhaboouah ...	0·05	1·80	......	......	......	......	......	1	1·85	2·15	2·84	4·03	33·04	33·94
		Sasseram ...	......	0·76	0·07	......	......	......	......	1	0·83	1·84	2·77	3·39	24·21	32·46
		Arrah ...	0·19	......	0·15	0·21	......	0·24	0·06	4	0·85	1·77	0·85	3·55	20·32	32·00
		Mohaniah ...										?	?	?	?	?
	Gya	Aurungabad ...	......	0·12	0·06	......	......	0·40	......	2	0·58	2·07	0·82	3·94	22·09	35·92
		Gya ...	......	0·25	......	......	......	......	......	1	0·25	1·94	2·59	4·00	28·84	36·04
		Nowadah ...	0·38	0·05	0·17	0·17	......	......	......	2	0·80	2·32	2·39	4·19	35·25	33·55
		Jehanabad ...	......	0·03	0·35	......	......	......	......	1	0·38	1·32	0·49	3·11	23·26	33·82
		Arwal ...	......	......	......	0·43	......	......	......	1	0·43	?	1·39	?	?	?
		Daudnagar ...										?		?	?	?
		Sherrghatti ...										?		?	?	?
		Kajauli ...	......	0·20	......	0·16	......	......	......	2	0·36	?	1·59	?	31·09	?
		Pakri Barawan	......	......	......	......	......	0·42	0·10	2	0·52	?	1·47	?	23·89	?
	Patna	Patna ...	......	......	0·11	......	......	......	......	1	0·11	1·37	0·32	3·27	25·76	34·19
		Dinapore ...	......	0·02	0·20	......	0·85	......	......	2	1·07	1·32	1·22	3·07	29·78	33·80
		Behar ...	1·00	......	0·13	......	......	......	......	2	1·13	1·01	1·19	4·08	33·38	35·29
		Barrh ...	......	......	......	0·10	......	......	......	1	0·10	1·86	1·60	4·00	38·23	32·18
		Bickram ...	......	......	......	0·08	......	......	0·19	1	0·27	?	0·37	?	22·65	?
		Hilsa ...	......	0·17	0·23	......	......	......	......	2	0·40	?	0·70	?	?	?
	Monghyr ...	Begooserai ...	0·21	0·09	0·04	......	......	......	......	1	0·34	1·67	1·86	3·83	29·80	32·79
		Monghyr ...	0·10	0·23	0·18	......	......	......	......	3	0·53	2·62	1·62	5·59	35·33	38·99
		Jamui ...	......	0·54	......	0·10	......	......	0·34	3	1·07	2·18	2·02	4·20	34·00	36·28
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	?	1·30	?	45·42	?
		Sheikpura ...	......	......	0·33	0·10	......	......	......	2	0·52	?	1·35	?	34·69	?
	South Bhagulpore	Bhagulpore ...	......	0·06	0·14	......	......	......	0·12	2	0·32	2·30	1·67	4·77	37·66	35·33
		Banka ...	......	0·07	0·22	......	......	......	0·40	2	0·69	2·31	1·64	4·50	39·46	35·65
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	?	1·21	?	28·73	?
		Bangaon ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	28·61	?
	Sonthal Pergunnahs.	Rajmehal ...	......	0·05	......	......	......	1·00	......	1	1·14	4·12	1·66	7·46	33·07	43·66
		Godda ...	......	0·25	0·50	......	......	......	0·60	3	1·35	2·56	1·73	5·04	34·45	36·86
		Pakour	0·13	0·03	0·12	......	......	......	......	2	0·28	2·73	1·53	6·61	32·40	45·07
		Nya Doomka	0·28	0·20	0·03	0·15	0·03	......	0·02	3	0·71	2·30	1·66	5·89	38·98	45·85
		Deoghur ...	......	0·73	0·22	0·03	0·85	......	0·10	4	1·93	2·60	2·73	4·74	31·69	40·87
		Jamtara ...	0·56	2·06	0·20	0·38	......	......	0·71	5	3·91	1·57	5·32	3·76	50·15	40·44
		Mohagama ...	0·40										?			?
		Nanihat ...	0·61	......	......	......	......	0·24	0·64	3	1·49	2·62	?		?	?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba ... (*Giridi*).	0·09	0·65	0·11	0·10	0·58	......	0·11	5	1·64	2·40	3·13	4·86	38·68	30·63
		Hazaribagh ...	0·02	0·63	0·04	......	......	......	0·17	2	0·86	2·19	1·98	4·77	35·52	40·03
		Semtagurah .	......	0·54	......	......	......	......	......	1	0·54	1·68	1·54	4·14	26·31	38·37
		Mahudi Hills										1·81		4·52		40·90
		Jhoomra Hills										3·19		6·29		51·92
		Barhi ...	......	0·38	0·50	0·55	......	......	1·14	4	2·57	?	3·09	?	33·58	?
		Chatra ...	......	0·80	......	......	......	......	......	1	0·80	?	3·07	?	26·92	?
		Karagdeha ...	1·01	0·47	0·22	0·09	0·12	......	0·04	4	1·95	?	3·17	?	37·01	?
		Ramghar ...	0·85									?		?		?
	Lohardugga ...	Lohardugga...	0·93	......	......	0·35	......	......	......	2	1·28	2·74	5·98	5·83	37·24	44·06
		Ranchi ...	0·20	0·68	0·78	......	......	......	0·10	4	1·76	2·46	6·38	5·14	34·28	44·06
		Palamow ...	0·16	1·23	......	......	0·18	0·29				2·26		4·63		30·06
		Silli ...										?		?		?
		Balumat ...	0·84	0·14	......	......	......	0·06	......	2	1·04	?	3·65	?	32·24	?
		Husseinabad	1·40	0·20	......	0·6						?		?		?
		Garwah ...	0·17	0·90								?		?		
	Singbhoom	Chyebassa ...	1·05	0·25	0·04	......	......	......	0·30	3	1·73	2·52	5·13	4·88	39·22	43·85
		Chakradharpore.										?		?		?
		Ghatsilla ...	1·00	1·40	......	0·65	0·20	......	0·28	5	3·53	?	4·93	?	49·33	?
		Baharagura	2·20	......	......	......	......	0·50	0·40	3	3·10	?	8·10	?	?	?
	Manbhoom ..	Purulia ...	......	0·45	......	......	......	......	0·27	2	0·72	2·42	2·25	4·36	41·23	41·02
		Gobindpore ...	0·21	0·22	......	......	0·08	......	0·04	2	0·55	2·54	1·43	4·38	31·83	37·68
		Raghunathpore.	0·30	0·10	0·11	0·25	0·04	......	0·95	5	1·75	?	4·85	?	45·45	?
		Barrabhoom	0·42	0·50	......	......	......	......	0·20	3	1·12	?	2·62	?	34·95	?
		Jhalda ...	......	......	......	......	......	......	2·10	1	2·10	?	3·37	?	36·46	?
		Chaa ...	0·20	0·64	......	......	......	......	1·04	3	1·88	?	3·98	?	43·99	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 15*th September* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 12TH OF SEPTEMBER 1891.

AT the close of the previous week a small barometric depression had formed in the north-west angle of the bay, and with some very heavy rainfall which was reported on the morning of the 5th, the depression intensified, and on that day a very distinct but rather small storm existed near the Sandheads; the small storm being accompanied by the usual cyclonic circulation of winds, though the wind force was light. The depression was then beginning to move in a westerly or west-north-westerly direction, and on the morning of the 6th its centre was to the south-west of Balasore or between that station and Cuttack. In its westerly advance it again gave heavy rain to Orissa, and moderate rain to some parts of South Bengal and Chutia Nagpur, but Behar and North Bengal, and a considerable part of East Bengal, were almost rainless. The small storm then again advanced in a west-north-westerly direction, and on the morning of the 7th it was advancing towards the North-West Provinces; on the 8th it was near Nowgong, where it remained almost unchanged on the 9th, and on the 10th it again passed on north-westward and was between Agra, Jhansi, and Jeypore, but it had become very feeble and was of little importance on that day. Though the storm was of moderate or slight intensity as it passed in its north-westerly course, and though it gave fairly heavy rain in the Central and North-West Provinces, yet the monsoon current which flowed over Bengal in its rear was very feeble, and was mainly confined to the south-western districts of the province, so that rainfall was only received in Orissa, Chutia Nagpur, South-West Bengal, and parts of South Behar, the remainder of the province continuing almost rainless. Conditions, therefore, remained of very light monsoon character generally in Bengal up to the 9th, when pressure became decidedly uniform over the Bay, and the tendency to low pressure in the north-west angle of the Bay, as represented by such stations as Saugor Island and Balasore, which has been such a prominent feature during the present monsoon, was again reproduced. This had developed slightly on the 10th, and a cyclonic circulation of winds also set up, though the wind force was feeble. On the 11th a very distinct barometric depression existed with a centre to the south-east of Saugor Island, and on the 12th the centre of the small storm had passed inland, crossing the coast near Balasore, and was a little to the north-west of Balasore and to the south-east of Chybassa. These conditions were again favourable for rainfall in Orissa and in the south-western districts of Bengal, and rain was reported generally on the 11th and 12th, and on the second day in particular some very heavy falls were reported, Cuttack having received 9·81 inches, Kendrapara 6·77 inches, False Point 4·19 inches, etc.

It will thus be seen that conditions during the week have been favourable for extremely heavy rain in Orissa and for moderate rain in South-West Bengal and Chutia Nagpur, and to a smaller extent in South Behar. On the other hand, throughout the week the conditions have been extremely unfavourable for rainfall in North Behar and North Bengal, and to a great extent also in East Bengal.

Pressure—Was generally very decidedly below the normal at the close of the previous week, and, with the inland advance of the small storm, pressure fell rapidly on the 6th, a fall exceeding a tenth of an inch being reported at False Point and Cuttack, though the fall was smaller elsewhere. A rapid rebound took place on the 7th, which continued on the 8th and 9th, but on the 10th pressure again began to fall slowly. The fall continued on the 11th in the south-western districts, though pressure was rising elsewhere, and the same was the case on the 12th, and on this day for the first time during the week the pressure over the greater part of Bengal became nearly normal in amount or slightly above it, except over the area in the west, south, and south-west of the province which was affected by the barometric depression. For the whole week, therefore, the mean pressure of the province has been below the normal, the defect ranging from about 0·07" at such stations as Saugor Island, Balasore, and Midnapore, to an almost normal pressure over parts of North Bengal. The mean defect of the province has equalled about 0·04." In Assam pressure has been in defect of the normal by 0·034", but the defect has been largest at Sibsagar, where it has equalled 0·056."

Temperature.—Owing to the almost complete absence of rain over a considerable part of the province, temperature has generally been rather largely in excess of the normal. Thus in North Behar and North Bengal the mean temperature has been from two to two-and-a-half degrees above the normal; in East Bengal and South Behar the excess has been between one-and-a-half and two degrees; while in South-West Bengal and Chutia Nagpur it has equalled half a degree. In Orissa, on the other hand, where there has been very heavy rainfall, temperature is 1·3° below the normal. For the whole province the mean temperature has been 1·1° in excess of the normal. In Assam also temperature has been above the normal, the excess equalling 1·9.°

Rainfall.—The stations in Orissa have received an average amount of no less than 6·00 inches of rain during the week, or 3·43 inches in excess of the normal fall. In all other divisions, however, the falls have been either largely or very largely in defect; Chutia Nagpur has received an average fall of 1·38 inches, which is, however, more than an inch less than usual;

and in South-West Bengal the fall has averaged 1·28 inches, or 0·84 inch less than usual. In South Behar the average fall has been less than an inch being only 0·89 inch, and this is no less than 1·23 inches in defect. In East Bengal an average fall of only 0·60 inch is recorded, which is 1·86 inches less than usual. In North Bengal and North Behar rainfall may almost be said to have been absent, for North Bengal only received 0·25 inch as against a normal fall of 3·03 inches, or about a twelfth of the usual amount, and in North Behar the actual fall has only averaged 0·13 inch, the normal fall being 2·46 inches, or only one-nineteenth of the usual amount.

Indeed, the following districts have received such small amounts of rain during the week that they may be said to have been rainless:—Bogra, Maldah, Rungpore, Purneah, and Chumparun; while exceedingly light falls only have been received in Tipperah, Mymensingh, Dacca, Pubna, Rajshahye, Dinagepore, Julpigoree, Mozufferpore, Durbhunga, and Gya.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 12th of September 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92·4	73·6	86·2	77·2	81·7	−1·3	6·00	2·57	+3·43	4·73	3·24	+1·49	7·56	5·06	37·80	39·93
South-West Bengal ...	92·8	70·1	89·0	78·2	83·6	+0·5	1·28	2·12	−0·84	2·70	2·88	−0·18	2·82	4·89	38·12	42·34
East Bengal	93·3	75·1	88·3	78·3	83·5	+1·6	0·60	2·46	−1·86	1·76	3·00	−1·24	1·67	6·32	50·46	61·49
North Bengal	95·6	74·7	90·6	78·9	84·8	+2·3	0·25	3·03	−2·78	0·56	2·65	−2·09	0·93	6·96	41·47	57·59
North Behar	95·3	76·7	92·3	79·2	85·7	+2·4	0·13	2·46	−2·33	0·44	2·67	−2·23	0·59	5·12	31·10	39·71
South Behar	94·9	75·5	91·0	79·0	85·0	+1·7	0·89	2·12	−1·23	2·17	2·60	−0·43	1·89	4·42	30·80	36·27
Chutia Nagpur	88·7*	70·9*	84·0*	72·2*	78·1*	+0·5*	1·38	2·39	−1·01	3·00	3·44	−0·44	3·38	4·80	35·80	41·59
Assam	98·1	75·3	91·4	78·2	84·8	+1·9										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 15th September 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

MEMORANDUM.

Report on the Monthly Statistics of Deaths registered in forty-five districts of Bengal for the month of June 1891.

THE total number of deaths registered in forty-five districts of Bengal during the month of June 1891 amounted to 140,594, against 115,004 in June 1890, and an average of 105,717 in the corresponding month of the previous five years, 1886—90. These figures represent an annual death-rate of 25·56, 20·88, and 19·20 per 1,000, respectively, of the aggregate population of those districts, which is 65,859,534. The death-rate of June 1891 is 6·36 higher than the mean rate of the corresponding months of the past five years, 1886—90, and is also higher than the rate of the corresponding period of any of the past five years with which comparison is made, *vide* the figures below:—

	June 1886.	June 1887.	June 1888.	June 1889.	June 1890.	Monthly average of five years, 1886—90.	June 1891.
Number of deaths	87,815	112,120	104,987	108,059	115,004	105,717	140,594
Ratio per mille per annum	15·96	20·40	19·08	19·68	20·88	19·20	25·56

From the following table it will be seen that the mortality-rate during June 1891 is less than the previous months of the year except February and May 1891:—

Months.		*Number of deaths.*	*Ratio per mille.*
January 1891	... ...	143,492	26·04
February „	... ...	137,553	24·96
March „	... ...	168,185	30·60
April „	... ...	161,980	29·52
May „	... ...	125,975	22·92
June „	... ...	140,594	25·56

The following table exhibits the death-rates among the different sexes and the several classes of the community which comprise the population of the Bengal Province. As usual, the mortality is greater on the whole among the male than among the female population; 119 males died for every 100 females, calculated on the proportion such mortality bears to the total male and female population; but, individually considered, in only one district, viz., Darjiling, the death-rate among females is greater than that of males. Proportionally to population the death-rate among the Buddhists is greater than among the Hindus, other classes and Mahomedans, and Christians suffered the least:—

	Sexes.			Classes.				
	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Number of deaths	76,039	64,555	...	121	97,877	39,165	201	3,230
Ratio per mille per annum ...	27·84	23·28	119	14·88	27·48	22·08	30·24	23·16

In the following table are given the death-rates registered during the month of June 1891, which are above 25 per mille and are arranged in order of sequence from highest to lowest, and are compared with that of the corresponding month of 1890:—

Districts.	Ratio per *mille* during— June 1891.	June 1890.	*Districts.*	Ratio per *mille* during— June 1891.	June 1890.
Darjiling	70·44	46·32	Lohardugga	30·96	20·04
Julpaiguri	47·88	33·00	Noakhali	29·28	29·52
Shahabad	41·28	20·88	Sarun	28·56	22·20
Durbhanga	39·84	26·52	Mozufferpore	28·44	22·32
Monghyr	38·64	29·28	Chittagong	28·08	20·16
Bhagulpore	37·92	22·68	Purneah	27·00	16·92
Gya	35·04	22·32	Maldah	26·88	18·60
Patna	32·28	36·48	Birbhum	25·68	19·32
Hazaribagh	32·04	19·44	Manbhum	25·44	20·64

The maximum death-rate was registered in Darjiling, 70·44 per mille, and the minimum in Faridpore, 14·28. In Darjiling fever and dysentery and diarrhœa are accountable for the high death-rate, 487 deaths from the former and 193 from the latter having been registered out of a total of 915. Judging by the results shown in the statement appended to this memorandum, it will be seen that in eighteen districts the death-rates were above 25 per mille, in twelve between 20 and 25; and in the remaining fifteen below 20. In those districts which returned death-rates below 20 per mille, registration of deaths cannot be said to have been satisfactorily carried on.

The following table shows the total mortality during the month under review from each of the several specified causes contrasted with the mortality from those causes in the corresponding month of 1890 and the average of the previous five years 1886—90:—

	Ratio per *mille* during—		
	June 1891.	June 1890.	Monthly average of five years 1886—90.
Cholera	3·24	2·40	2·52
Small-pox	·24	·24	·12
Fever	17·16	14·40	12·60
Dysentery and diarrhœa	·60	·48	·60
Injury	·72	·60	·60
Other causes	3·24	2·52	2·40

The only noticeable point in connection with the above table is that the death-rate of June 1891 under the heads cholera and fever, is higher than that of the two past periods with which it is compared.

Cholera caused 18,306 deaths, which is equivalent to an annual rate of 3 24 per 1,000 of population, against 26810 (ratio 4·80 per mille) in the previous month. The highest cholera death-rate occurred in Shahabad, 17·28 per mille per annum, then in Durbhanga 14·28, Julpaiguri 10·68, Darjiling 10·56, Bhagulpore 9·36, Monghyr 8·76, Gya 7·56, Sarun 5·88, Patna and Mozufferpore 5·04 each, Purneah 4·68, Mymensing 3·36, Rungpore 3 24, Hazaribagh 2·76, Maldah and Sonthal Pergunnahs 2·52 each, and in Lohardugga 2·40. In only one district, Singbhum, there were no cholera deaths recorded.

Small-pox proved fatal in 1,826 instances (ratio ·24 per mille), against 1,967 (ratio ·24) in the preceding month. Midnapore returned the highest death-rate, 2·28 per mille per annum, then Cuttack with a death rate of 1·92 per mille, followed by Lohardugga with 1·44 per mille. In nine districts, viz., Birbhum, Serampore, Murshedabad, Rajshahye, Rungpore, Darjiling, Julpaiguri, Backerganj, and Tipperah, the disease was entirely absent.

Fever was accountable for 94,634 of the total deaths (ratio 17·16 per mille) and *dysentery and diarrhœa* for 3,332 (ratio ·60 per mille), against 77,357 (ratio 14·04) and 2,727 (ratio ·48), respectively, in the previous month. All the districts returned deaths under both heads but the highest fever death-rate occurred in Darjiling, viz., 37·44 per mille per annum, then in Julpaiguri 35·88 per 1,000, in Noakhali 26·40, in Monghyr 24 60, in Chittagong 23·88, in Bhagulpore 23 88, in Hazaribagh 23·64, in Shahabad 22·68, in Maldah 22·44, in Gya 22·32, in Rajshahye 21·60, in Purneah 21·48, in Dinajpore 21·36, and in Durbhanga 21·24. Darjiling also returned the highest death-rate from dysentery and diarrhœa, 14·88 per mille, followed by Balasore, 3·12 per mille.

Injury caused 4,083 deaths (ratio ·27 per mille), against 2,570 (ratio ·36) in the month before, and the mortality from *all other causes* not specified amounted to 18,413 (ratio 3·24 per mille), against 14,544 (ratio 2·64) in the previous month. Poori returned the highest death-rate from the unspecified diseases coming under the head "All other causes," viz. 13·68 per mille per annum.

With regard to mortality according to *Age*, infants under one year of age, as usual, perished in the largest numbers, viz., at the rate of 181·32 per 1,000 of population per annum; next came old persons (60 years and upwards) with a death-rate of 55·80 per 1,000. The lowest death-rate occurred among persons between 10 and 15 years of age, viz., 12·72 per 1,000 per annum.

Detailed information regarding the mortuary statistics of the forty-five districts of Bengal during the month under review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 14*th September* 1891.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of June 1891.

1	2	3			4							5							6		7		8		9
					MORTALITY ACCORDING TO—																				
					Disease.																Sex.				
DIVISIONS.	DISTRICTS.	POPULATION.			DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.							COMPARISON WITH PREVIOUS PERIODS.		DEATHS AMONG—		RATIO PER 1,000 OF POPULATION PER ANNUM.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Males.	Females.	Total.	Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	
BURDWAN	Burdwan	668,295	723,528	1,391,823	25	18	1,667	59	45	513	*2,327*	·12	·12	14·28	·48	·36	4·32	*20·04*	17·64	15·24	1,206	1,121	21·60	18·48	119
	Bankura	507,136	534,616	1,041,752	6	16	1,023	31	58	374	*1,508*	·06	·12	11·76	·24	·60	4·20	*17·28*	14·40	15·72	821	687	19·32	15·36	123
	Birbhum	381,563	412,865	794,428	1	...	1,077	6	29	592	*1,705*	·01		16·20	·08	·36	8·88	*25·68*	20·88	19·32	873	832	27·36	24·60	111
	Midnapore	1,243,195	1,272,370	2,515,565	33	405	3,194	122	137	667	*4,648*	·12	2·28	15·12	·48	·60	3·12	*22·08*	21·60	17·16	2,375	2,273	22·92	21·36	107
	Hughli	315,665	347,385	663,050	7	4	697	54	49	184	*995*	·12	·07	12·60	·96	·84	3·24	*18·00*	17·04	18·24	515	480	20·64	15·48	133
	Serampore	174,366	177,589	351,955	24	...	357	63	34	81	*558*	·72		12·12	2·04	1·08	2·76	*18·96*	19·32	15·48	320	238	21·96	16·08	136
	Total (Hughli including Serampore).	490,031	524,974	1,015,005	31	4	1,054	117	82	265	*1,553*	·36	·03	12·36	1·32	·96	3·12	*18·36*	17·88	17·28	865	688	21·12	15·72	134
	Howrah	316,479	318,902	635,381	50	14	470	134	41	275	*984*	·84	·24	8·76	2·52	·72	5·16	*18·48*	19·32	17·40	527	457	19·92	17·16	116
PRESIDENCY	24-Pergunnahs ...	860,841	812,521	1,673,362	63	1	1,771	77	121	229	*2,259*	·36	·006	12·60	·48	·84	1·56	*16·08*	14·76	15·12	1,256	1,003	17·40	14·76	117
	Nuddea	805,779	849,942	1,655,721	58	6	1,808	10	145	294	*2,321*	·38	·03	13·08	·07	·96	2·04	*16·80*	25·32	13·44	1,267	1,054	18·84	14·88	128
	Jessore	959,271	980,104	1,939,375	18	7	2,738	14	141	170	*3,086*	·10	·03	16·92	·08	·84	·96	*19·08*	20·28	17·48	1,676	1,410	20·88	17·16	121
	Murshidabad ...	586,483	640,307	1,226,790	47	..	1,630	8	95	282	*2,085*	·48	..	15·84	·07	·84	2·76	*20·28*	17·40	15·36	1,106	979	22·56	18·24	123
	Khulna	568,402	511,546	1,079,948	65	2	1,408	4	75	162	*1,716*	·72	·01	15·60	·03	·72	1·80	*18·96*	17·64	19·20	966	750	20·28	17·52	115
RAJSHAHYE	Dinajpur	782,292	732,054	1,514,346	123	2	2,705	9	85	162	*3,086*	·96	·01	21·36	·06	·60	1·20	*24·36*	30·96	24·96	1,728	1,358	26·40	22·20	118
	Rajshahye	660,040	678,265	1,338,305	72	...	2,422	5	110	182	*2,791*	·60	...	21·60	·03	·96	1·56	*24·96*	22·92	22·08	1,434	1,357	26·04	24·00	108
	Rungpore	1,067,701	1,030,263	2,097,964	567	...	3,434	51	65	245	*4,362*	3·24	...	19·56	·24	·36	1·32	*24·84*	48·72	21·72	2,396	1,966	26·88	22·80	117
	Bogra	372,863	361,888	734,751	41	9	1,080	3	50	157	*1,340*	·60	·12	17·52	·04	·72	2·52	*21·84*	19·80	20·28	681	659	21·84	21·84	100
	Pubna	648,311	663,417	1,311,728	17	2	1,905	8	68	78	*2,078*	·12	·01	17·40	·07	·60	·69	*18·96*	23·64	20·16	1,122	956	20·76	17·28	120
	Darjiling	69,351	86,294	155,645	137	...	487	193	10	88	*915*	10·56	...	37·44	14·88	·72	6·72	*70·44*	47·28	46·32	505	410	87·80	74·16	91
	Julpaiguri	305,972	276,418	582,390	521	...	1,745	13	14	33	*2,326*	10·68	...	35·88	·24	·24	·60	*47·88*	78·00	53·00	1,246	1,080	48·84	46·80	104
DACCA	Dacca	1,033,863	1,082,487	2,116,350	78	11	2,068	86	153	414	*2,809*	·36	·06	11·64	·48	·84	2·28	*15·84*	15·36	14·64	1,558	1,251	18·00	13·80	130
	Faridpore	805,989	825,745	1,631,734	38	7	1,610	16	57	230	*1,958*	·24	·04	11·76	·10	·36	1·68	*14·28*	16·80	12·00	1,092	866	15·96	12·48	127
	Backergunj	973,479	927,410	1,900,889	83	...	2,378	37	170	982	*3,595*	·48	...	14·88	·12	·96	5·85	*22·68*	25·80	20·52	2,016	1,579	28·84	20·64	120
	Maimansing	1,555,840	1,501,103	3,056,943	877	55	3,888	81	97	560	*5,558*	3·36	·12	15·24	·24	·36	2·16	*21·72*	19·32	18·24	3,083	2,475	24·36	20·16	120
CHITTAGONG	Chittagong	531,649	600,692	1,132,341	36	37	2,254	46	108	170	*2,651*	·36	·36	23·88	·48	1·08	1·80	*28·08*	21·84	20·16	1,372	1,279	30·96	25·44	121
	Noakhali	415,248	405,524	820,772	17	2	1,812	4	64	108	*2,007*	·24	·02	26·40	·04	·84	1·56	*29·28*	25·56	29·52	1,063	944	30·60	27·84	109
	Tipperah	768,450	745,911	1,514,361	7	...	1,709	44	110	267	*2,137*	·04	..	14·88	·24	·84	2·01	*16·92*	16·44	17·76	1,204	933	18·72	15·00	124
PATNA	Patna	856,501	895,058	1,751,559	742	68	2,770	173	107	869	*4,729*	5·04	·38	18·96	1·08	·72	5·55	*32·28*	18·84	36·48	2,590	2,139	36·24	28·56	126
	Gya	1,043,441	1,081,241	2,124,682	1,339	131	3,963	84	169	510	*6,216*	7·56	·72	22·32	·36	·84	2·88	*35·04*	18·24	22·32	3,302	2,914	37·92	32·28	117
	Shahabad	950,250	1,014,659	1,964,909	2,834	114	3,719	61	91	440	*7,259*	17·28	·60	22·68	·36	·48	2·64	*44·28*	20·40	20·88	4,027	3,232	50·76	38·16	133
	Mozufferpore ...	1,265,731	1,316,329	2,582,060	1,093	29	4,100	149	238	529	*6,138*	5·04	·12	18·96	·60	1·08	2·40	*28·44*	12·96	22·32	3,347	2,791	31·68	25·44	124
	Durbhanga	1,295,788	1,337,659	2,633,447	3,145	55	4,687	182	170	520	*8,759*	14·28	·24	21·24	·72	·72	2·28	*39·84*	20·40	26·52	4,730	4,029	43·80	36·12	121
	Sarun	1,085,847	1,199,832	2,285,679	1,132	49	2,306	200	191	1,574	*5,458*	5·88	·12	12·00	·96	·96	8·16	*28·56*	19·44	22·20	3,095	2,363	34·20	23·52	145
	Chumparun	870,627	850,981	1,721,608	44	58	2,225	44	118	472	*2,961*	·24	·36	15·48	·24	·72	3·24	*20·52*	12·36	42·48	1,655	1,306	22·80	18·00	126
BHAGULPORE	Monghyr	969,124	1,000,650	1,969,774	1,441	6	4,042	76	174	608	*6,347*	8·76	·03	24·60	·36	·96	3·60	*38·64*	22·44	29·28	3,430	2,917	42·36	34·92	121
	Bhagulpore	979,119	987,039	1,966,158	1,534	4	3,917	42	108	615	*6,220*	9·36	·02	23·88	·24	·60	3·72	*37·92*	30·72	22·68	3,300	2,920	40·44	35·40	114
	Purneah	937,080	911,607	1,848,687	727	10	3,312	2	44	75	*4,170*	4·68	·06	21·48	·01	·24	·48	*27·00*	65·52	16·92	2,214	1,956	28·32	25·68	110
	Maldah	346,998	363,450	710,448	154	1	1,333	8	29	70	*1,595*	2·52	·01	22·44	·12	·48	1·08	*26·88*	24·48	18·00	922	673	31·80	22·20	143
	Sonthal Pergunnahs...	785,330	782,763	1,568,093	336	1	1,561	7	64	240	*2,522*	2·52	·007	14·18	·04	·48	1·80	*19·20*	18·48	14·04	1,369	1,153	21·12	17·29	122
ORISSA	Cuttack	877,702	917,363	1,795,065	96	295	1,490	277	140	954	*3,252*	·60	1·92	9·96	1·80	·84	6·36	*21·72*	18·84	17·88	1,641	1,611	22·32	21·00	106
	Pooree	446,609	441,878	888,487	22	72	281	164	48	1,020	*1,607*	·24	·96	3·72	2·16	·60	13·68	*21·60*	19·20	22·08	860	747	23·04	20·28	113
	Balasore	461,461	483,819	945,280	18	9	681	255	43	524	*1,530*	·12	·10	8·64	3·12	·48	6·60	*19·32*	19·08	22·56	786	744	20·40	18·36	111
CHOTA NAGPORE	Hazaribagh	544,903	559,839	1,104,742	264	4	2,186	85	83	332	*2,954*	2·76	·03	23·64	·84	·84	3·60	*32·04*	25·20	19·44	1,544	1,410	33·96	30·12	112
	Lohardugga	796,657	812,587	1,609,244	335	199	2,355	275	39	971	*4,154*	2·40	1·44	17·40	2·04	·24	7·20	*30·96*	22·92	20·04	2,209	1,945	33·24	28·56	116
	Singbhum	226,681	227,094	453,775	...	30	443	32	37	135	*677*	...	·72	11·64	·84	·96	3·48	*17·88*	17·76	19·72	387	290	20·40	15·24	133
	Manbhum	525,328	532,900	1,058,228	12	3	1,053	38	54	487	*2,247*	·12	·02	18·72	·36	·60	5·52	*25·44*	24·84	20·64	1,169	1,078	26·64	24·24	109
	TOTAL FOR THE PROVINCE.	32,663,700	33,195,834	65,859,534	18,306	1,826	94,634	3,332	4,083	18,413	*140,594*	3·24	·24	17·18	·60	·72	3·24	*25·56*	22·92	20·88	76,039	64,555	27·94	23·23	119

MORTALITY ACCORDING TO—

10 / 11 — Class

Divisions.	Districts.	Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan ...	Burdwan	1	1,898	428	...	...	13·08	20·28	19·44	...	...
	Bankura	..	1,326	61	...	115		17·40	16·56	...	16·68
	Birbhum	1	1,398	506	...	...	24·06	27·12	22·56	..	
	Midnapore	4	4,139	288	...	217	64·80	22·20	21·00	...	22·08
	Hughli	1	734	200	...	..	41·28	17·76	18·48	...	...
	Serampore	1	451	106	...	...	52·76	18·48	21·24	...	...
	Total (Hughli including Serampore).	2	1,245	306	...	...	35·60	18·09	19·32	..	...
	Howrah	4	758	222	...	...	24·49	15·12	21·16	.	...
Presidency ...	24-Pergunnahs ...	5	1,560	634	...	...	7·88	18·0[illegible]	18·32	...	..
	Nuddea	18	946	1,557	...	...	33·60	17·18	17·04	..	..
	Jessore	...	1,220	1,846	..	...	.	18·36	19·68	..	...
	Murshidabad	...	1,134	951	...	.	..	21·36	13·32	...	..
	Khulna	4	793	919	...	...	64·20	18·12	19·84	...	..
Rajshahye ...	Dinajpur	1	1,526	1,359	...	...	26·10	25·44	23·4	...	...
	Rajshahye	..	584	2,977	...	...	.	24·24	25·20	..	...
	Rungpore	..	1,939	2,413	...	..	...	28·44	22·68	...	...
	Bogra	...	274	1,006	...	...	...	25·28	21·48	...	...
	Pubna	...	525	1,553	.	..		17·40	19·16	..	..
	Darjiling	3	782	27	101		42·72	73·68	35·48	65·76	..
	Julpaiguri	...	1,652	664	...	...	.	54·40	58·16	..	...
Dacca ...	Dacca	14	1,169	1,626	...	..	10·08	18·32	15·64	...	...
	Faridpore	3	789	1,[illegible]68	...	...	13·08	14·40	14·28	...	..
	Backerganj	8	1,058	2,519	...	...	25·80	20·10	25·70	.	...
	Maimansing	...	2,054	3,504	...	...	.	21·84	21·52	.	...
Chittagong ..	Chittagong	1	538	2,015	97	...	11·28	29·40	30·12	21·48	..
	Noakhali	1	479	1,527	....	...	20·40	27·12	30·80	...	...
	Tipperah	...	690	1,336	1	...	..	18·84	15·84	32·04	...
Patna ...	Patna	1	4,224	504	...	...	4·56	53·04	28·32	...	..
	Gya	...	5,530	680	...	...	...	35·04	34·92	...	...
	Shahabad	...	6,782	477	...	...	..	44·76	39·00	...	...
	Mozufferpore	1	5,468	669	...	...	32·52	28·92	25·32	...	...
	Durbhanga	...	7,769	930	...	...	...	40·08	38·40	..	...
	Sarun	1	4,871	589	...	...	42·48	28·92	25·84	..	...
	Chumparun	4	2,785	372	...	...	24·72	24·00	18·36	...	
Bhagulpore ..	Monghyr	1	5,803	542	...	1	10·92	39·24	34·68	..	1·56
	Bhagulpore	1	5,737	482	...	..	20·76	39·00	31·05	...	...
	Purneah	...	2,531	1,639	...	...	.	28·20	25·44	.	..
	Maldah	...	954	641	...		...	50·12	23·28	...	
	Sonthal Pergunnahs	1	1,340	227	...	754	3·84	21·72	21·96	.	14·98
Orissa ..	Cuttack	1	3,[illegible]87	64	...	...	5·04	21·84	16·08	..	..
	Pooree	1	1,582	24	..	...	14·64	21·72	27·52	.	...
	Balasore	3	1,505	22		..	44·16	19·68	11·04	...	..
Chota Nagpore.	Hazaribagh	1	2,527	253	...	134	21·72	32·76	33·00	...	21·84
	Lohardugga	29	1,887	255	...	1,883	9·48	27·36	39·48	...	36·48
	Singbhoom	3	671	3	...	..	12·00	17·88	15·36	...	
	Manbhoom	3	2,012	109	...	123	65·16	25·44	28·68	..	32·32
	TOTAL FOR THE PROVINCE.	121	97,877	39,165	201	3,230	14·59	27·45	22·08	30·24	23·16

12 / 13 — Age

Divisions.	Districts.	Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	573	187	104	81	147	275	252	229	173	306	218·76	17·04	7·44	7·20	14·40	12·84	13·56	18·00	21·36	46·08
	Bankura	377	147	94	61	57	156	134	126	90	216	161·52	16·44	7·44	6·72	11·04	10·44	14·92	15·72	17·28	46·44
	Birbhum	601	293	58	52	59	145	134	106	132	201	439·32	30·48	6·84	7·68	10·56	12·72	13·44	14·64	27·24	52·20
	Midnapore	907	670	346	192	283	577	475	395	328	545	174·00	29·28	11·88	9·24	14·76	12·72	15·48	20·16	27·48	47·76
	Hughli	170	186	50	39	58	114	106	118	94	145	120·24	21·48	10·32	7·56	11·64	10·56	11·16	17·40	23·52	47·04
	Serampore	83	64	3	13	21	52	69	68	54	9	99·37	24·00	12·72	7·44	7·92	8·76	14·16	19·92	25·56	56·64
	Total (Hughli including Serampore).	253	170	95	58	79	166	169	178	148	237	112·44	32·32	11·16	7·44	10·32	9·96	12·24	18·24	24·24	50·40
	Howrah	227	126	56	35	31	92	78	103	67	156	146·28	22·20	8·64	6·72	7·68	7·30	9·96	20·04	21·36	51·36
Presidency ...	24-Pergunnahs	359	383	296	97	136	243	182	161	178	316	97·80	2[illegible]·58	11·04	7·20	11·88	9·36	8·76	12·12	21·96	30·96
	Nuddea	436	353	212	103	139	22[illegible]	193	240	169	327	1[illegible]4·04	20·76	9·48	7·32	11·76	10·32	10·20	14·40	18·84	37·44
	Jessore	376	438	282	22[illegible]	168	339	332	296	224	41[illegible]	87·60	[illegible]8·28	11·64	13·44	13·5[illegible]	12·48	15·00	18·48	21·36	41·64
	Murshidabad	452	296	142	96	91	170	187	18[illegible]	137	3[illegible]	104·62	25·08	9·48	9·36	10·92	9·9[illegible]	12·84	17·88	21·36	51·00
	Khulna	173	231	168	49	8[illegible]	189	2[illegible]4	163	12[illegible]	2[illegible]1	77·04	21·00	13·2[illegible]	10·8[illegible]	10·92	11·88	10·44	19·32	23·28	50·04
Rajshahye ...	Dinajpur	427	4[illegible]	282	16[illegible]	2[illegible]3	426	315	327	175	2[illegible]1	126·[illegible]8	27·84	13·32	1[illegible]·32	21·76	19·80	20·88	20·04	26·28	45·24
	Rajshahye	443	454	275	142	113	321	319	269	16[illegible]	206	14[illegible]·68	33·48	5·36	12·72	22·20	16·68	19·80	25·20	28·44	35·16
	Rungpore	384	369	370	29[illegible]	341	713	684	518	522	353	[illegible]9·8[illegible]	18·36	14·16	17·76	27·48	24·3[illegible]	21·48	29·16	29·40	38·40
	Bogra	278	175	101	72	63	133	1[illegible]6	113	93	16[illegible]	216·96	21·72	9·96	11·88	12·[illegible]0	12·72	16·56	20·64	31·6[illegible]	[illegible]3·83
	Pubna	233	44[illegible]	224	122	10[illegible]	161	1[illegible]	159	108	32[illegible]	77·[illegible]9	30·00	12·72	11·52	13·44	9·48	12·04	15·48	17·64	44·88
	Darjiling	89	142	104	72	49	1[illegible]	116	54	43	33	3[illegible]1·2[illegible]	107·04	66·84	55·08	62·64	65·16	54·12	47·28	71·16	56·76
	Julpaiguri	36[illegible]	254	16[illegible]	121	1[illegible]	[illegible]18	313	22[illegible]	14[illegible]	231	2[illegible]9·64	41·04	22·92	23·76	42·72	43·20	44·16	46·[illegible]0	52·68	86·04
Dacca ...	Dacca	451	473	2[illegible]4	127	158	250	287	18[illegible]	191	463	92·[illegible]2	19·56	7·92	6·72	11·52	9·60	12·24	11·76	20·29	41·76
	Faridpore	21[illegible]	3[illegible]3	212	10[illegible]	1[illegible]4	178	1[illegible]6	17[illegible]	211	287	63·00	16·92	10·56	6·12	11·28	7·92	8·88	13·08	25·68	35·04
	Backerganj	824	655	33[illegible]	207	168	28[illegible]	223	212	198	45	211·56	51·55	16·58	12·72	12·24	9·96	10·32	14·88	21·96	54·94
	Maimansing	602	6[illegible]8	320	228	33[illegible]	6[illegible]	663	573	417	613	96·84	20·40	12·48	11·64	15·84	15·12	19·68	25·02	32·64	57·00
Chittagong ..	Chittagong	416	56[illegible]	317	1[illegible]4	12[illegible]	213	16[illegible]	18[illegible]	152	352	162·00	45·84	20·16	10·80	15·24	15·24	14·52	22·80	27·04	68·52
	Noakhali	321	405	269	128	[illegible]	135	143	96	126	28[illegible]	165·3[illegible]	43·32	24·12	17·16	18·12	12·3[illegible]	16·20	16·44	32·64	78·72
	Tipperah	[illegible]47	322	153	104	141	241	208	161	140	277	117·64	18·48	9·24	7·56	13·20	11·52	12·36	15·00	21·60	42·12
Patna ...	Patna	1,080	916	3[illegible]4	184	130	336	338	345	357	564	313·80	53·52	20·40	13·56	13·80	16·32	15·84	21·36	34·20	52·56
	Gya	1,107	1,170	5[illegible]	3[illegible]2	226	587	570	509	494	68[illegible]	310·56	50·88	23·04	17·16	19·44	19·92	21·72	27·00	41·52	64·56
	Shahabad	964	1,185	757	456	25[illegible]	794	754	625	571	953	257·64	57·96	34·24	23·88	23·52	29·04	30·24	37·92	57·12	90·12
	Mozufferpore	690	1,13[illegible]	656	354	264	647	63[illegible]	53[illegible]	481	809	180·84	41·76	19·20	16·44	14·52	18·84	19·80	23·76	34·68	62·88
	Durbhanga	687	1,833	1,64[illegible]	513	32[illegible]	1,094	9[illegible]0	794	675	902	163·80	68·16	30·96	24·24	21·18	30·36	26·76	33·84	47·40	76·80
	Sarun	6[illegible]6	847	425	241	191	5[illegible]2	598	504	422	666	155·88	36·24	15·24	12·12	15·48	18·60	20·40	25·08	56·00	84·00
	Chumparun	5[illegible]8	474	225	100	124	291	274	230	249	486	137·88	27·96	11·04	6·84	12·96	12·04	12·00	15·56	28·68	60·96
Bhagulpore ..	Monghyr	1,[illegible]95	1,45[illegible]	508	339	201	470	5[illegible]3	471	429	744	258·76	65·88	23·88	19·92	17·76	18·36	20·6[illegible]	27·60	42·36	83·16
	Bhagulpore	1,025	1,144	573	344	242	670	637	574	483	528	333·72	59·64	21·96	19·56	20·52	23·88	25·08	38·12	53·40	66·12
	Purneah	349	507	341	3[illegible]	252	586	644	453	520	408	110·76	28·44	14·28	19·72	22·08	22·56	26·40	28·92	39·36	52·56
	Maldah	196	279	1[illegible]6	85	97	1[illegible]	174	164	105	200	118·56	40·08	17·16	15·48	19·44	18·48	20·76	18·60	33·36	58·08
	Sonthal Pergunnahs	5[illegible]	494	262	169	167	234	2[illegible]8	183	134	250	192·12	21·24	10·80	10·56	17·52	12·12	11·76	16·92	28·52	38·88
Orissa ..	Cuttack	[illegible]84	482	2[illegible]1	95	159	29[illegible]	273	222	312	354	276·[illegible]0	25·44	8·88	5·88	13·92	11·40	13·68	16·68	32·40	57·68
	Pooree	1[illegible]3	192	87	44	78	141	122	109	115	238	381·12	20·28	6·16	5·88	13·56	10·68	11·64	15·48	23·28	57·72
	Balasore	485	187	64	51	58	117	144	131	117	228	281·32	14·16	5·40	5·88	9·48	8·52	13·08	16·92	25·56	55·20
Chota Nagpore.	Hazaribagh	751	531	210	136	89	235	262	227	204	309	259·44	40·32	13·44	13·92	14·04	15·60	19·80	28·56	44·16	83·20
	Lohardugga	1,004	592	284	194	210	426	398	312	327	409	282·84	29·76	12·60	12·84	21·84	19·20	21·12	28·32	51·48	75·48
	Singbhoom	122	67	36	28	45	73	71	66	82	87	167·52	12·96	5·76	6·48	14·16	11·76	13·20	20·16	43·6[illegible]	53·52
	Manbhoom	612	383	156	78	120	188	173	164	178	205	252·36	32·88	10·20	8·76	15·84	13·32	14·16	22·56	37·80	47·16
	TOTAL FOR THE PROVINCE.	23,396	22,636	12,374	7,161	6,720	14,732	14,048	11,949	10,351	17,229	181·32	33·24	15·00	12·72	16·08	15·96	17·52	22·44	31·80	55·80

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 14th September 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

MEMORANDUM.

Weekly statistics of births and deaths in twenty-seven of the principal towns of Bengal for the week ending with Saturday, the 29th August 1891.

Births.

The total births registered during the week ending with Saturday, the 29th August 1891, in twenty-seven principal towns of Bengal, amounted to 482, and correspond to an annual rate of 23·4 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 2·4 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years with which comparison is instituted, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of births per 1,000 of the population per annum	22·5	19 9	21·3	22·6	18·8	21·0	23·4

The births registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns.	Weeks ending— 8th August 1891.	15th August 1891.	22nd August 1891.	29th August 1891.	Towns.	Weeks ending— 8th August 1891.	15th August 1891.	22nd August 1891.	29th August 1891.
Burdwan	9·2	13·7	13 7	10·8	Narainganj	16·6	20·7	33·1	8·3
Midnapore	13 9	9·3	15 5	15·5	Chittagong	18·8	2·3	7·0	18·8
Hughli and Chinsurah	24·6	19·7	34·6	31·2	Comillah	27·0	42 4	27·0	15·4
Serampore	29 4	39·3	37·3	25·5	Patna City	10 7	13·0	13 6	20 8
Utterpara	18·9	28 3	47·2	37 7	Gya	25·3	28·7	11·6	38·3
Howrah	28·2	19 5	23·5	21·2	Arrah	29·9	8 4	19·1	43·1
Bali	3 5	17 5	17·5	10·5	Mozufferpore	24·3	21·9	41·4	23·1
Krishnagar	20·8	15·1	7 6	30·3	Durbhanga	16 6	24·4	47·2	22 0
Ranaghat	6 0	41·9	47·9	12·0	Chupra	39·2	28·2	63 4	35 2
Santipore	31·6	8·8	15·8	17·5	Bhagulpore	19 1	19·1	29·7	23·6
Jessore	...	6·1	..	...	Monghyr	30·8	32 5	47·6	28·9
Rampore Beauleah	5·3	13·1	36 8	26·3	Purneah	3 5	0 9	13·9	10·4
Darjiling	51·9	20·6	22·2	14·8	Poori	27·8	27·3	33·6	21·0
Dacca	9·7	5·2	9·7	11·0					
					Total ...	22·5	18·7	25·4	23·4

It will be seen that last week the highest birth-rate was returned from Arrah (43·1) and the lowest from Narainganj (8 3). No births were registered during the week in the Jessore town.

Deaths.

The total deaths registered during the week under review amounted to 609, and correspond to an annual rate of 29·5 per 1,000 of the population. The rate of the week is 1·2 higher than the average rate of the corresponding week of the past five years, and is also higher than the rate of the corresponding week of any of the past five years except 1888, *vide* the figures below—

	1886.	1887.	1888.	1889.	1890.	Weekly average of five years, 1886—90.	1891.
Ratio of deaths per 1,000 of the population per annum	29 2	27·9	34 9	27·0	22·6	28·3	29·5

The deaths registered in each of the last four weeks in each of the twenty-seven principal towns correspond to the following rates per 1,000 of the population:—

Towns	Weeks ending— 8th August 1891.	15th August 1891.	22nd August 1891.	29th August 1891.	Towns.	Weeks ending— 8th August 1891.	15th August 1891.	22nd August 1891.	29th August 1891.
Burdwan	27·3	25·9	25·0	27·5	Narainganj	33·1	33·1	29·0	20·7
Midnapore	21·7	13·9	21·7	21·7	Chittagong	23·5	2 3	9·4	31·1
Hughli and Chinsurah	47·6	29·5	72·2	55·8	Comillah	30 8	38 5	19·3	19·3
Serampore	20·4	31·4	60·8	35·3	Patna City	18 2	14 9	21 1	22·1
Utterpara	18 9	18·9	28·8	28·3	Gya	62·2	56·0	50·0	54·0
Howrah	17·8	21·8	12·6	16·9	Arrah	49·1	13·2	49·1	17·9
Bali	7·0	17·5	24·6	21·1	Mozufferpore	60·8	24·3	40·1	31·6
Krishnagar	9·5	9·5	15·1	22·7	Darbhanga	20·0	22·0	10·5	18·1
Ranaghat	12·0	23·9	47·9	29·9	Chupra	43·3	31·2	46·3	54·3
Santipore	12·3	12·3	19·3	7·0	Bhagulpore	38·1	22·1	36·6	27·5
Jessore	12·2	...	24·5	12·2	Monghyr	57·9	52·4	40·7	47·0
Rampore Beauleah	28·9	31·5	52·5	49·9	Purneah	20·8	21 2	13·9	17·3
Darjiling	81·5	133·4	96·3	87·0	Poori	35·7	31·6	18·9	46·2
Dacca	19·5	16·2	12·3	23·4					
					Total ...	34·8	28·4	37·1	29·5

According to the figures returned, the highest mortality occurred in the town of Hughli and Chinsurah (55·8) and the lowest in Santipore (7·).

Measured by last week's mortality, the highest annual death-rates from the several registered death-causes occurred in the following towns :—

Cholera.	Ratio per *mille.*	*Fever.*	Ratio per *mille.*	*Dysentery and diarrhœa.*	Ratio per *mille.*	*Other causes.*	Ratio per *mille.*
Monghyr ...	24·4	Rampore Beauleah	42·0	Poori ...	12·6	Chupra ...	24·2
Mozufferpore ...	15·8	Darjiling ...	29·6			Hughli and Chinsurah ...	18·1
Chupra ...	13·1	Hughli and Chinsurah ...	29 5			Poori ...	16·8
Gya ...	10·9	Gya ...	28·0			Chittagong ...	16 4
Arrah ...	8·3					Serampore ...	15·7
Patna City ...	5·8						

The total mortality from the several registered death-causes in the twenty-seven principal towns amounted to 4·9 from cholera, against 6·2 in the preceding week; ·1 from small-pox, against ·01; 12·3 from fever, against 12·7; 2·7 from dysentery and diarrhœa, against 3·7; ·5 from injury, against ·8; and 9· from other causes, against 7·6 in the preceding week.

The mortality of last week according to *Sex*, *Class* and *Age* was as follows :—

According to Sex.	Ratio per *mille.*	*According to Class.*	Ratio per *mille.*	*According to Age.*	Ratio per *mille.*
Males	29·2	Christians ...	14·9	Under 1 year ...	253·7
Females	29·9	Hindus ...	29·5	1 and under 5 years ...	63·7
Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population...	97	Mahomedans ...	30·2	5 „ 10 „ ...	21·0
				10 „ 15 „ ...	19 9
				15 „ 20 „ ...	19 7
				20 „ 30 „ ...	17·1
				30 „ 40 „ ...	15·6
				40 „ 50 „ ...	21·4
				50 „ 60 „ ...	19·3
				60 years and upwards ...	63·4

Detailed information regarding the vital statistics of the twenty-seven principal towns dealt with in the above review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 14*th September* 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 29th August 1891.

1		3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
					Number of—			Ratio per 1,000 of Population per annum.				Disease.															Sex.				
												Deaths from—							Ratio per 1,000 of Population per annum.								Deaths.		Ratio per 1,000 of Population per annum.		
		Males.	Females.	Total.	Males.	Females.	*Total.*	Males.	Females.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous week.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	6	5	*11*	9·2	7·6	*16·8*	120	...	...	9	2	1	6	*18*	...	...	13·7	3·1	1·5	9·2	*27·5*	25·0	10	8	28·8	26·0	111
Midnapore ...	Midnapore ...	16,927	16,633	33,560	7	3	*10*	10·8	4·6	*15·5*	233	...	...	7	1	...	6	*14*	...	...	10·8	1·5	...	9·3	*21·7*	21·7	7	7	21·5	21·9	98
Hughli ...	Hughli and Chinsurah.	15,858	15,829	31,687	14	5	*19*	23·0	8·2	*31·2*	280	1	...	18	4	...	11	*34*	1·6	...	29·5	6·6	...	18·1	*55·8*	72·2	16	18	52·5	59·1	88
Serampore ...	Serampore ...	13,559	12,937	26,496	7	6	*13*	13·7	11·8	*25·5*	116	...	...	5	4	1	8	*18*	...	...	9·8	7·8	2·0	15·7	*35·3*	60·8	9	9	34·5	36·2	95
	Utterpara	3,046	2,464	5,510	1	3	*4*	9·4	28·3	*37·7*	33	...	...	...	1	...	2	*3*	...	...	...	9·4	...	18·9	*28·3*	26·3	3	...	51·2	...	No female death
Howrah ...	Howrah	53,153	37,660	90,813	16	21	*37*	9·2	12·0	*21·2*	76	3	...	18	7	...	5	*33*	1·7	...	10·3	4·0	...	2·9	*18·9*	12·6	19	14	18·6	19·3	96
	Bali	7,836	6,979	14,815	3	...	*3*	10·5	...	*10·5*	No female birth.	...	...	2	1	...	3	*6*	...	...	7·0	3·5	...	10·5	*21·1*	24·6	2	4	13·3	29·8	44
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	11	5	*16*	20·8	9·5	*30·3*	220	...	...	10	...	...	2	*12*	...	...	18·9	...	...	3·8	*22·7*	15·1	9	3	35·3	11·0	321
	Ranaghat	4,028	4,655	8,683	...	2	*2*	...	12·0	*12·0*	No male birth.	...	...	2	...	...	3	*5*	...	...	12·0	...	...	17·9	*29·9*	47·9	2	3	25·8	33·5	77
	Santipore	13,708	15,979	29,687	5	5	*10*	8·7	8·7	*17·5*	100	...	...	3	...	...	1	*4*	...	...	5·3	...	...	1·7	*7·0*	19·3	2	2	7·6	6·5	117
Jessore ..	Jessore	4,830	3,665	8,495	...	...	...	...	...	...	...	...	...	1	...	...	1	*2*	...	...	6·1	...	...	6·1	*12·2*	24·5	1	1	10·8	14·2	76
Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	3	7	*10*	7·9	18·4	*26·3*	43	2	...	16	...	...	1	*19*	5·3	...	42·0	...	...	2·6	*49·9*	5[illegible]·5	9	10	43·5	57·6	75
Darjiling ...	Darjiling	4,579	2,439	7,018	1	1	*2*	7·4	7·4	*14·8*	100	...	...	4	1	...	...	*5*	...	...	29·6	7·4	...	...	*37·0*	46·3	5	...	56·8	...	No female death.
Dacca ...	Dacca	42,782	37,379	80,161	9	8	*17*	5·8	5·2	*11·0*	112	...	1	13	6	1	15	*36*	...	·6	8·4	3·9	·6	9·7	*23·4*	12·3	23	13	28·0	18·1	154
	Naraingan j ...	7,605	4,956	12,561	1	1	*2*	4·1	4·1	*8·3*	100	...	...	2	...	1	2	*5*	...	...	8·3	...	4·1	8·3	*20·7*	29·0	3	2	20·5	21·0	97
Chittagong ..	Chittagong ...	13,340	8,790	22,130	4	4	*8*	9·4	9·4	*18·8*	100	...	...	2	...	...	7	*9*	...	...	4·7	...	...	16·4	*21·1*	9·4	1	8	3·9	47·3	8
Tipperah ..	Comillah	8,153	5,353	13,506	3	1	*4*	11·8	3·8	*15·4*	300	...	...	3	...	..	2	*5*	...	...	11·6	...	...	7·7	*19·3*	19·3	...	5	..	45·6	No male death.
Patna	Patna City ...	78,762	61,475	140,237	38	26	*64*	12·3	8·4	*20·8*	146	19	...	19	6	1	24	*68*	5·8	...	6·2	1·9	·3	7·5	*22·1*	21·1	33	35	21·8	22·3	97
Gya	Gya	38,290	37,831	76,121	28	28	*56*	19·1	19·1	*38·3*	100	16	1	41	1	...	20	*79*	10·9	·7	28·0	·7	...	13·7	*54·0*	56	35	44	47·5	60·5	78
Shahabad .	Arrah	20,960	22,505	43,465	16	20	*36*	19·1	23·9	*43·1*	80	7	...	7	..	...	1	*15*	8·3	...	8·3	...	...	1·2	*17·9*	49·1	6	9	14·9	20·8	71
Mozufferpore .	Mozufferpore ...	23,084	19,658	42,742	14	5	*19*	17·0	6·1	*23·1*	280	13	...	5	1	.	7	*26*	15·8	...	6·1	1·2	...	8·5	*31·6*	40·1	16	10	36·0	26·5	136
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	18	10	*28*	14·2	7·8	*22·0*	180	...	...	15	1	1	6	*23*	...	...	11·8	·8	·8	4·7	*18·1*	16·5	11	12	16·9	19·3	87
Sarun	Chupra	25,116	26,554	51,670	19	16	*35*	19·1	16·1	*35·2*	118	13	...	11	5	1	24	*54*	13·1	...	11·0	5·0	1·0	24·2	*54·3*	46·3	30	24	62·1	47·0	132
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	17	14	*31*	12·9	10·7	*23·6*	121	1	...	22	2	1	10	*36*	·8	...	16·8	1·5	·8	7·6	*27·5*	36·6	23	13	34·3	20·3	168
Monghyr ..	Monghyr	28,154	29,366	57,520	12	20	*32*	10·8	18·1	*28·9*	60	27	...	9	7	...	10	*53*	24·4	...	8·1	6·3	...	9·0	*47·9*	49·7	22	31	40·6	54·9	74
Purneah ...	Purneah	8,463	6,553	15,016	2	1	*3*	6·9	3·5	*10·4*	200	...	..	5	...	..	...	*5*	...	...	17·3	...	..	...	*17·3*	13·9	3	2	18·4	15·9	115
Poori	Poori	13,247	11,537	24,784	6	4	*10*	12·6	8·4	*21·0*	150	...	...	6	6	2	8	*22*	.	...	12·6	12·6	4·2	16·8	*46·2*	18·9	12	10	47·1	45·1	104
	Total ...	556,262	516,097	1,072,359	261	221	*482*	12·7	10·7	*23·4*	118	101	2	255	56	10	185	*609*	4·9	·1	12·3	2·7	·5	9·0	*29·5*	31·1	312	297	29·2	29·9	97

MORTALITY ACCORDING TO—

Class (13, 14)

Districts	Names of Municipalities	Deaths among— Christians	Hindus	Mahomedans	Buddhists	Other classes	Ratio per 1,000 of population per annum — Christians	Hindus	Mahomedans	Buddhists	Other classes
Burdwan ...	Burdwan ..	...	11	7	...	...		24·2	35·5		...
Midnapore ..	Midnapore	...	10	4	..	...	...	20·1	28·8	...	.
Hughli ..	Hughli and Chinsurah	...	31	3	...	..	..	63·8	25·3	..	...
Serampore	Serampore ...	1	14	3		..	163·0	28·8	166·3	...	.
	Utterpara ..	...	3	...	...	...	...	29·3	...	...	..
Howrah	Howrah ...	...	21	12	.	...	.	16·0	30·4	...	...
	Bali	...	4	2	.	..	..	15·5	79·3	...	...
Nuddea	Krishnagar ...	...	4	8	..	...	..	11·2	50·2	...	...
	Ranaghat ...	...	4	1	..	...	..	25·4	38·1	.	
	Santipore ...	...	2	2	...	...	.	5·0	11·6	..	...
Jessore ...	Jessore ..	.	...	2	...	...	...	...	27·2	...	...
Rajshahye ...	Rampore Beauleah	...	6	13	...	...	...	31·5	68·9	...	...
Darjiling ...	Darjiling ..	...	5	...	...	...	...	56·6	...	...	...
Dacca ...	Dacca ...	...	17	11	...	..	..	21·9	25·1	...	...
	Narainganj ...	...	3	8	...	...	..	24·7	16·9	...	...
Chittagong ...	Chittagong ..	...	...	9	...	...	.	..	30·6	...	...
Tipperah ...	Comillah ...	...	2	3	...	...	...	17·5	21·1	...	...
Patna ...	Patna City ..	1	54	13	...	...	146·5	23·6	16·5	...	...
Gya ...	Gya ...	...	67	12	...	...	...	58·0	38·8	...	...
Shahabad ...	Arrah ..	...	14	1	...	...	...	23·5	4·2	...	...
Mozufferpore ...	Mozufferpore ...	...	15	11	...	...	...	26·0	45·8	...	...
Durbhanga ...	Durbhanga ...	...	17	6	...	...	...	18·3	17·8	...	...
Saran ...	Chupra ...	...	40	14	...	...	...	52·5	61·1	...	...
Bhagulpore ...	Bhagulpore ...	...	23	13	...	...	...	24·4	35·8	...	...
Monghyr ...	Monghyr ...	...	43	10	...	...	...	50·0	41·4	...	...
Purneah ...	Purneah ...	...	3	2	...	...	...	17·0	18·4	...	...
Poori ...	Poori ...	...	22	...	...	...	...	46·6	...	...	...
	TOTAL ...	2	435	172	...	...	14·9	29·5	30·2	...	...

Age (15, 16)

Districts	Names of Municipalities	Deaths — Under 1 year	1 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 20 years	20 and under 30 years	30 and under 40 years	40 and under 50 years	50 and under 60 years	60 years and upwards	Ratio per 1,000 of population per annum — Under 1 year	1 and under 5 years	5 and under 10 years	10 and under 15 years	15 and under 20 years	20 and under 30 years	30 and under 40 years	40 and under 50 years	50 and under 60 years	60 years and upwards
Burdwan ...	Burdwan ..	3	1	1	2	2	3	..	3	1	2	236·4	23·0	22·3	41·3	35·3	19·7	...	35·3	21·2	70·2
Midnapore ..	Midnapore	...	1	.	1	..	...	2	2	1	7	...	22·1	...	17·1	..	...	18·8	27·9	25·2	195·9
Hughli ..	Hughli and Chinsurah	8	6	4	3	.	4	2	3	3	1	518·1	140·6	72·1	62·9	...	33·5	18·2	37·4	60·0	25·1
Serampore	Serampore ...	2	2	..	1	1	3	3	3	1	2	146·5	57·6	...	23·4	23·8	23·0	51·4	46·2	27·2	74·8
	Utterpara ..	1		...	..	.	1	..	1	...	...	323·0	..	.	...	...	45·2	...	74·2	...	...
Howrah	Howrah ...	3	6	3	..	2	5	3	1	2	8	75·6	56·3	24·8	...	14·2	11·5	8·1	4·4	18·9	110·9
	Bali	...	1	2	...	..	1	..	...	...	2	...	52·1	97·6	...	...	15·5	...	...	...	142·1
Nuddea	Krishnagar ...	3	1	2	...	...	...	1	1	...	4	314·5	21·1	30·3	...	...	...	12·1	15·9	...	120·4
	Ranaghat ...	3	...	...		1	..	...	...	...	1	753·6	..	...	...	85·5	...	...	...	...	91·4
	Santipore ...	1	...	...	...	...	...	...	2	..	1	61·5	...	...	...	.	...	...	29·6	...	26·5
Jessore ...	Jessore ..	...	...	1	...	...	..	1	...	...	...	...	...	65·6	...	...	..	34·0	...	...	...
Rajshahye ...	Rampore Beauleah	4	3	2	3	1	1	2	1	..	2	512·3	110·0	50·9	86·6	31·3	12·5	28·9	21·2	...	108·0
Darjiling ...	Darjiling ..	1	1	...	1	...	...	...	2	...	...	420·8	80·9	...	106·6	...	...	...	150·3	...	...
Dacca ...	Dacca ...	4	3	5	...	3	4	5	5	2	5	109·6	21·2	26·2	...	21·4	13·6	22·3	31·0	22·0	46·7
	Narainganj ...	2	..	...	...	...	...	...	1	1	1	372·8	...	...	...	...	...	...	37·3	66·5	79·8
Chittagong ...	Chittagong ..	3	1	...	...	1	3	..	...	...	1	277·1	26·4	...	...	21·5	33·7	...	...	...	65·3
Tipperah ...	Comillah ...	2	1	1	..	...	...	1	...	...	...	350·2	39·8	31·9	...	...	...	26·1	...	...	...
Patna ...	Patna City ..	20	9	2	3	3	10	2	5	4	10	241·3	32·1	6·2	10·8	14·0	18·0	4·5	13·8	14·7	37·7
Gya ...	Gya ...	14	20	6	2	7	4	1	7	3	15	466·7	163·7	44·6	15·5	69·5	14·1	4·1	37·2	23·[illegible]	151·5
Shahabad ...	Arrah ..	2	4	2	1	1	2	2	1	...	...	50·7	46·9	20·3	11·8	16·2	13·2	16·2	11·1	...	...
Mozufferpore ...	Mozufferpore ...	7	4	2	3	...	2	4	1	1	2	381·2	51·5	23·1	39·4	...	13·1	20·8	10·4	16·0	42·7
Durbhanga ...	Durbhanga ...	4	3	3	2	1	2	1	1	2	4	135·6	20·5	19·9	18·7	12·9	7·8	4·7	7·0	23·7	55·1
Saran ...	Chupra ...	22	9	1	2	2	6	6	3	2	1	810·8	90·7	8·7	20·8	30·0	33·9	40·1	25·6	25·4	15·3
Bhagulpore ...	Bhagulpore ...	5	3	2	1	...	7	5	7	3	3	431·2	24·0	14·7	7·2	...	27·9	23·7	47·7	30·8	36·3
Monghyr ...	Monghyr ...	9	15	4	...	3	8	7	2	...	5	315·2	125·3	29·5	...	41·3	40·2	40·8	16·3	...	72·5
Purneah ...	Purneah ...	...	...	1	1	1	2	...	...	...	...	...	...	32·9	43·5	52·3	31·7	...	...	...	...
Poori ...	Poori ...	2	3	1	...	2	2	5	...	3	4	343·2	86·8	23·2	...	55·9	19·7	64·2	...	69·9	115·2
	TOTAL ...	125	97	45	26	31	70	53	52	29	81	253·7	53·7	21·0	13·9	19·7	17·1	15·6	21·4	19·3	63·4

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 14th September 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Major Works for the month of June 1891, as compared with that of the corresponding month of the previous year.

CANALS.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Circle.												
Taldunda Canal System	106	10	7	568	4	6	249	9	0	1,055	15	2
Kendrapara ditto ...	4,532	4	2	17,142	4	8	5,212	14	9	12,965	15	2
High Level, Range I	212	6	6	1,517	9	9	563	14	3	1,797	3	3
Ditto " II	48	15	9	360	14	9	145	13	0	865	1	0
Ditto " III	34	10	9	224	14	0	90	7	6	595	6	3
Jajepore Canal ...	3	7	3	45	4	4	14	4	0	36	11	10
Total Orissa Circle ...	4,938	7	0	19,859	4	0	6,276	14	6	17,316	4	8
South-Western Circle.												
Midnapore Canal ...	8,913	15	3	19,623	9	9	10,925	7	3	30,322	10	6
Hidgellee Tidal Canal*	......			......			1,740	7	0	4,950	12	0
Total South-Western Circle	8,913	15	3	19,623	9	9	12,665	14	3	35,273	6	6
Sone Circle.												
Patna Canal System ...	3,563	3	0	4,416	2	3	2,696	1	0	6,722	0	2
Arrah ditto ...	1,984	8	0	7,622	9	9	1,720	13	9	6,179	14	3
Buxar ditto ...	1,180	12	9	3,340	13	6	732	8	3	2,900	2	0
Total Sone Circle ...	6,728	7	9	15,379	9	6	5,149	7	0	15,802	0	5
GRAND TOTAL ...	20,580	14	0	54,862	7	3	24,092	3	9	68,391	11	7

* Closed for remodelling work.

Government Transport Service.

CANAL.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
Orissa Circle.												
High Level ..	261	178	213 4 3	1,965	2,362	2,080 0 3	429	146	537 5 0	1,736	2,961	1,961 3 5
Total Orissa Circle	261	178	213 4 3	1,965	2,362	2,080 0 3	429	145	537 5 0	1,736	2,961	1,981 3 5

Total Navigation Receipts.

CANALS.	EARNINGS, 1891-92.						EARNINGS, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Canals ...	5,151	11	3	21,939	4	3	6,814	3	6	19,297	8	1
Midnapore Canal ...	8,913	15	3	19,623	9	9	10,925	7	3	30,322	10	6
Hidgellee Tidal Canal ...	......			......			1,740	7	0	4,950	12	0
Sone Canals ...	6,728	7	9	15,379	9	6	5,149	7	0	15,802	0	5
Total ...	20,794	2	3	56,942	7	6	24,629	8	9	70,372	15	0

CALCUTTA,
The 14th September 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Major Works for the month of July 1891, *as compared with that of the corresponding month of the previous year.*

Canals.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Circle.												
Taldunda Canal System	563	9	10	1,131	14	4	306	5	0	1,362	4	2
Kendrapara ditto	7,708	14	2	24,851	2	10	5,831	6	1	18,797	5	3
High Level, Range I	1,120	12	6	2,638	6	3	1,043	10	9	2,810	14	0
Ditto „ II	239	4	6	600	3	3	270	0	9	1,135	1	9
Ditto „ III	166	2	6	391	0	6	227	8	0	822	14	3
Jajepore Canal ...	18	13	0	64	1	4	32	10	6	19	6	4
Total Orissa Circle ...	9,817	8	6	29,676	12	6	7,711	9	1	25,027	13	9
South-Western Circle.												
Midnapore Canal	10,934	1	3	30,567	11	0	12,242	12	9	42,565	7	3
Hidgellee Tidal Canal ..	1,189	9	3	1 189	9	3	4,097	13	9	9,048	9	9
Total South-Western Circle	12,123	10	6	31,747	4	3	16,340	10	6	51,614	1	0
Sone Circle.												
Patna Canal System ...	4,258	15	9	8,675	2	0	2,437	5	0	9,159	5	2
Arrah ditto ...	1,806	10	6	9,429	4	3	1,350	0	3	7,529	14	6
Buxar ditto ...	1,358	14	9	4,699	12	3	520	4	6	3,420	6	6
Total Sone Circle ...	7,424	9	0	22,804	2	6	4,307	9	9	20,109	10	2
GRAND TOTAL ...	29,365	12	0	84,228	3	3	28,359	13	4	96,751	8	11

Government Transport Service.

Canal.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
Orissa Circle.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level ...	1,207	1,252	1,285 14 1	3,172	3,614	3,365 14 4	1,396	759	1,649 2 10	3,132	3,720	3,630 6 3
Total Orissa Circle . . .	1,207	1,252	1,285 14 1	3,172	3,614	3,365 14 4	1,396	759	1,649 2 10	3,132	3,720	3,630 6 3

Total Navigation Receipts.

Canals.	Earnings, 1891-92.						Earnings, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Canals ...	11,103	6	7	33,042	10	10	9,360	11	11	28,658	4	0
Midnapore Canal ...	10,934	1	3	30,557	11	0	12,242	12	9	42,565	7	3
Hidgellee Tidal Canal ...	1,189	9	3	1,189	9	3	4,097	13	9	9,048	9	9
Sone Canals ...	7,424	9	0	22,804	2	6	4,307	9	9	20,109	10	2
Total ...	30,651	10	1	87,594	1	7	30,009	0	2	1,00,381	15	2

CALCUTTA,
The 14*th September* 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH, BENGAL.

Abstract Statement showing Tollage on Canals in Bengal classed as Minor Works and Navigation for the month of July 1891, *as compared with that of the corresponding month of the previous year.*

Canals.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals	22,728	14	3	81,547	3	9	18,076	7	0	60,994	7	9
Tolly's Nullah ...	7,521	4	6	33,431	5	6	8,630	15	9	32,318	7	6
Total ...	30,250	2	9	1,14,978	9	3	26,707	6	9	1,02,312	15	3
Orissa Coast Canal ...	4,277	10	6	18,460	1	9	6,153	9	3	23,649	9	3
Nuddea Rivers ...	19,959	8	0	46,996	0	6	31,391	8	0	54,182	15	6
Grand Total ...	54,487	5	3	1,80,434	11	6	64,252	8	0	1,80,145	8	0

CALCUTTA,
The 14*th September* 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 12*th September* 1891, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 12th September 1891.			Week ending Saturday, the 13th September 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	746	1,69,105	2,874	400	80,025	1,439
Jute	84	36,625	710	163	58,510	1,049
Firewood	95	57,425	834	142	64,575	1,020
Other articles	871	2,29,390	3,460	913	2,29,125	3,076
Total ...	1,796	4,92,545	7,878	1,618	4,32,235	6,584

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the three weeks and four days ending **25th** *July* **1891,** *as compared with the same period of* **1890.**

STAPLES.	1890.		1891.		INCREASE.		DECREASE.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Coke	1,90,003	26,967	1,80,463	27,894	......	927	9,540	... ..
Cotton, raw	13,244	11,874	13,987	11,691	743	......	......	183
Cotton twist and yarn—								
1.—European	6,505	8,063	5,142	6,281	......	......	1,363	1,722
2.—Indian	13,082	8,332	19,542	10,943	5,860	2,611	......	......
Cotton piece-goods—								
1.—European	65,275	77,978	51,734	62,695	......	......	13,541	15,283
2.—Indian ...	11,923	6,459	8,325	5,342	......	......	3,598	1,117
Drugs and Chemicals—								
1.—Intoxicating other than opium ...	1,123	652	1,363	463	240	......	......	189
2.—Non-intoxicating	980	1,634	7,864	9,872	6,884	8,238	......	......
Dyes and Tans—								
1.—Indigo	276	324	222	187	......	......	54	137
2.—Myrabolams ...	3,086	871	4,568	1,522	1,482	651	......	......
3.—Aniline dyes ...	......	......	295	293	295	293	......	......
4.—Cutch ...	.. ...	... ..	3,390	1,040	3,390	1,040	......	......
5.—Paints and colours ...	2,012	1,534	5,701	3,062	3,689	1,528	......	......
6.—Others	3,217	1,851	2,448	1,017	......	......	769	834
Grains—								
1.—Wheat	3,77,246	95,058	6,21,352	2,06,360	2,44,106	1,11,302	......	.....
2.—Rice	3,37,561	58,755	3,11,410	61,225	......	2,470	26,151	......
3.—Jawar and bajra	......	......	24,788	1,817	24,788	1,817	......	......
4.—Gram ...	2,50,573	73,254	81,897	16,658	......	......	1,68,676	56,596
5.—Indigo seed ...	7,841	2,983	4,736	1,012	......	... ..	3,105	1,971
6.—Seeds other than oil-seeds ..	30,826	11,282	32,263	14,005	1,437	2,723	......	......
7.—Others ...	87,490	14,617	2,64,499	51,929	1,77,009	37,312	......	......
Hides and Skins—								
1.—Hides of cattle	19,043	9,669	19,001	11,465	......	1,796	42	......
2.—Skins of sheep, &c. ...	10,021	4,975	11,394	6,303	1,371	1,328	......	......
Horns	1,314	941	2,183	1,191	869	250	......	......
Jute—								
1.—Raw	3,608	726	5,486	1,402	1,878	676	......	.....
2.—Gunny-bags and cloth	40,990	20,461	95,684	49,512	54,694	29,051	......	......
Lac—								
1.—Stick	21,056	7,752	23,045	7,449	1,989	.....	......	303
2.—Shell lac	11,278	7,647	16,287	11,400	5,009	3,843	......	......
Leather—								
1.—Unmanufactured	1,375	2,740	1,008	3,500	533	760	......	......
2.—Manufactured	748	929	2,270	2,547	1,522	1,618	......	......
Liquors—								
1.—Beer	3,784	2,945	7,646	4,107	3,862	1,162	......	......
2.—Wines ... }	3,192	5,533	1,710	3,179	......	......	436	857
3.—Spirits ... }			1,007	1,496	......	......		
Metals—								
1.—Copper, unwrought }	17,499	9,934	1,611	1,400	......	......	5,946	3,432
2.—Brass, unwrought }			1,585	815	......	......		
3.—Brass and copper wrought }			8,348	4,197	......	......		
4.—Iron	61,672	36,394	1,32,937	77,873	71,265	41,479	......	......
5.—Tin	1,245	1,528	2,767	2,617	1,522	1,089	......	......
6.—Others ...	2,116	1,418	6,153	3,995	4,037	2,577	......	......
Oils—								
1.—Castor ... }	76,284	31,282	2,023	412	......	5,688	4,781	......
2.—Kerosine }			61,554	32,978	......			
3.—Others ... }			7,926	3,580	......			
Oil-seeds—								
1.—Linseed	3,27,444	94,687	10,32,417	3,32,869	7,04,973	2,38,182	... ..	......
2.—Rape and mustard ...	53,965	12,231	71,479	15,664	17,514	3,433	......	......
3.—Til or jinjili ...	4,888	1,649	4,843	1,288	... ..	......	45	361
4.—Castor ... }	.... .	......	63,257	14,293	1,04,661	34,925	......	......
5.—Poppy ... }	.	... .	68,982	24,264				
6.—Others ... }	56,978	14,927	29,400	11,295				
Opium	568	808	399	353	....	......	169	455
Paper and paste board	5,415	4,068	10,470	6,629	5,055	2,561	......	.....
Provisions—								
1.—Ghee	23,508	18,238	18,618	15,266	......	.. ...	4,890	2,972
2.—Dried fruits and nuts	13,115	11,592	15,969	14,006	2,854	2,414	......	......
3.—Cocoanuts	2,362	1,593	2,494	1,025	132	... ..	......	568
4.—Turmeric	7,719	7,089	9,172	10,358	1,753	3,269	......	......
5.—Others ...	46,523	25,479	52,407	24,334	5,884	......	......	1,145
Salt	3,56,418	65,981	4,77,438	98,335	1,21,020	32,354	......	.. ..
Saltpetre, &c.—								
1.—Saltpetre	25,680	12,260	31,375	13,674	5,680	1,414	......	......
2.—Borax	743	529	1,996	1,545	1,253	1,016	......	......
3.—Other saline substances	18,120	6,043	30,986	8,923	12,866	2,880	......	......
Silk, raw—								
1. Foreign }	861	699	1,346	1,038	485	339	......	......
2. Indian ... }								
Silk Piece-goods—								
1.—Foreign	14	50	62	108	48	58	......	... .
2.—Indian ...	1,122	816	127	199	......	......	995	617
Spices—								
1.—Pepper ... }	7,724	5,649	3,828	4,747	7,595	4,385	......	......
2.—Others ... }			11,491	5,287				
Sugar—								
1.—Drained	29,778	4,277	18,031	4,635	.. ...	358	11,747	......
2.—Undrained	54,373	13,232	1,05,806	15,529	51,433	2,297	... ..	......
Stone and lime ...	3,45,513	39,964	2,89,017	39,012	......	......	56,496	352
Tea—								
1.—Foreign ...	......	......	......	......	......	......	......	......
2.—Indian ...	1,708	2,040	2,992	3,804	1,284	1,764	. ....	......
Timber, &c.—								
1.—Timber ...	28,993	6,072	54,595	8,372	25,602	2,300	......	......
2.—Firewood	15,968	741	27,484	1,441	11,516	700	......	......
Tobacco ...	39,524	16,095	57,301	21,206	17,777	5,111	......	......
Umbrellas	......	......	283	288	283	288	......	......
Wool—								
1.—Raw	1,225	1,029	452	328	.. ...	... ..	773	701
2.—Piece-goods—								
a.—European	19	40	97	214	78	174	......	......
b.—Indian ...	1,000	810	1,418	1,384	418	574	.. ...	......
3.—Shawls	....	.	4	7	4	7	......	......
All other articles of merchandise ...	3,54,683	1,55,689	3,75,862	1,05,934	21,179	......	......	49,755
Total ...	35,04,086	10,71,679	49,30,749	15,35,161	14,26,713	4,63,482	......	......
Military stores ..	19,246	3,007	14,205	21,723	.... .	......	4,981	15,284
Coal—								
1.—For public	25,37,811	3,92,750	24,40,375	3,86,302	......	......	97,436	6,448
2.— ,, Railway ...	3,72,666	26,131	4,07,888	26,641	35,222	510	......	......
Railway Materials—								
1.—For construction and revenue ...	{ 1,255 { 2,32,078	794 22,445	7,32,573	60,993	4,09,240	46,734	......	......
Live-stock	.. ...	3,095	. ....	4,355	......	1,260	......	......
Total ...	66,67,092	15,53,921	85,25,830	20,44,175	18,58,758	4,90,254	......	......

E. WEATHERDON, *Assistant Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, *the 7th September* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 5th September 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	232,130	2,31,519 5 0	25,71,185 20	5,86,072 11 3	13,837 10 0	8,31,429 10 3	71,853	98,044½	169,897½
Or per mile of railway	......	151 12 3	.....	384 2 11	9 1 2	545 0 4	......	......	.....
For previous 9 weeks of half-year	2,133,999	21,26,772 15 0	1,86,89,665 0	45,07,224 14 0	1,24,924 14 0	67,58,922 11 0	622,032½	796,403	1,418,435½
Total for 10 weeks ...	2,366,129	23,58,292 4 0	2,12,60,850 20	50,93,297 9 3	1,38,762 8 0	75,90,352 5 3	693,885½	894,447½	1,588,333½
Comparison.									
Total for corresponding week of previous year	220,523	2,18 929 10 11	18,97,164 30	4,28,200 10 11	16,507 6 4	6,63,637 12 2	61,311	73,833	135,144
Per mile of railway corresponding week of previous year ...	......	143 8 3	......	280 11 1	10 13 2	435 0 6	......	......	.....
Total to corresponding date of previous year	2,184,920½	21,52,805 11 1	1,80,40,495 20	39,77,826 5 5	1,61,754 11 7	62,92,386 12 1	621,192	749,056	1,370,248

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 5th September 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,290	4,359 7 0	41,107 30	2,536 3 0	40 0 0	6,935 10 0	933	663	1,596
Or per mile of railway	162½	76 3 5	718 30	44 5 5	0 11 2	121 4 0	.....	......	.. ..
For previous 9 weeks of half-year	*82,714	*40,151 12 0	*4,72,353 30	†28,852 0 0	‡333 0 0	69,336 12 0	8,462	6,401	14,863
Total for 10 weeks ...	92,004	44,511 3 0	5,13,461 20	31,388 3 0	373 0 0	76,272 6 0	9,395	7,064	16,459
Comparison.									
Total for corresponding week of previous year	9,273½	4,367 0 4	12,505 20	142 14 0	30 14 0	5,340 13 1	1,214	382	1,596
Per mile of railway corresponding week of previous year ..	162	76 5 6	220 10	16 7 9	0 8 8	93 5 11	......	......	.....
Total to corresponding date of previous year	90,681	45,392 3 8	3,13,307 20	19,247 14 0	356 12 0	64,096 13 8	10,136	5,520	15,656

* Deducted number of passengers 838 and Rs. 843
† Ditto maunds 13,085 and „ 255
‡ Ditto „ 74
} on account of differences between the approximate and audited returns from 1st July to week ended 1st August 1891.

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for the week ended 5th September 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,840	3,869 3 0	8,222 30	309 3 0	7 0 0	4,185 6 0	910	129	1,039
Or per mile of railway	......	173 14 4	......	13 14 4	0 5 0	188 1 8	......	......	......
For previous 9 weeks of half-year	*155,924	*37,202 15 0	†41,699 0	†1,413 9 0	‡105 0 0	38,721 8 0	7,824	663	8,487
Total for 10 weeks ...	171,773	41,072 2 0	49,921 30	1,722 12 0	112 0 0	42,906 14 0	8,734	792	9,526
Comparison.									
Total for corresponding week of previous year	16,133½	3,919 14 9	6,476 30	209 7 0	6 8 3	4,135 14 0	919	49	968
Per mile of railway corresponding week of previous year ...	......	176 2 10	......	9 6 7	0 4 8	185 14 1	......	.....	......
Total to corresponding date of previous year	161,977	38,816 11 8	45,933 0	2,034 9 0	40 11 9	40,931 0 5	8,955	439	9,394

* Added number of passengers 4,068 and Rs. 747
† Deducted maunds 2,984 and „ 76
‡ Ditto „ 2
} on account of differences between the approximate and audited returns from 1st July to week ended 1st August 1891.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the three weeks and four days ending 25th July 1891, as compared with the same period of 1890.

Staples.	1890.		1891.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Coke ...	1,90,003	26,967	1,80,463	27,894	......	927	9,540	......
Cotton, raw ...	13,244	11,874	13,987	11,691	743	......	......	183
Cotton twist and yarn—								
1.—European ...	6,505	8,003	5,142	6,281	......	......	1,363	1,722
2.—Indian ...	13,682	8,332	19,542	10,943	5,860	2,611	......	......
Cotton piece-goods—								
1.—European ...	65,275	77,978	51,734	62,695	......	......	13,541	15,283
2.—Indian ...	11,923	6,459	8,325	5,342	......	......	3,598	1,117
Drugs and Chemicals—								
1.—Intoxicating other than opium ...	1,123	652	1,363	463	240	......	......	189
2.—Non-intoxicating ...	980	1,634	7,864	9,872	6,884	8,238	......	......
Dyes and Tans—								
1.—Indigo ...	276	324	222	187	......	......	54	137
2.—Myrabolams ...	3,086	871	4,568	1,522	1,482	651	......	......
3.—Aniline dyes ...	......	......	295	293	295	293	......	......
4.—Cutch ...	......	......	3,390	1,040	3,390	1,040	......	......
5.—Paints and colours ...	2,012	1,534	5,701	3,062	3,689	1,528	......	......
6.—Others ...	3,217	1,851	2,448	1,017	......	......	769	834
Grains—								
1.—Wheat ...	3,77,246	95,058	6,21,352	2,06,360	2,44,106	1,11,302	......	......
2.—Rice ...	3,37,561	58,755	3,11,410	61,225	......	2,470	26,151	......
3.—Jawar and bajra ...	......	......	24,788	1,817	24,788	1,817	......	......
4.—Gram ...	2,50,573	73,254	81,897	16,658	......	......	1,68,676	56,596
5.—Indigo seed ...	7,841	2,983	4,736	1,012	......	......	3,105	1,971
6.—Seeds other than oil-seeds...	30,826	11,282	32,263	14,005	1,437	2,723	......	......
7.—Others ...	87,490	14,617	2,64,499	51,929	1,77,009	37,312	......	......
Hides and Skins—								
1.—Hides of cattle ...	19,043	9,669	19,001	11,465	......	1,796	42	......
2.—Skins of sheep, &c. ...	10,021	4,975	11,392	6,303	1,371	1,328	......	......
Horns ...	1,314	941	2,183	1,191	869	250	......	......
Jute—								
1.—Raw ...	3,608	726	5,486	1,402	1,878	676	......	......
2.—Gunny-bags and cloth ...	40,390	20,461	95,084	49,512	54,694	29,051	......	......
Lac—								
1.—Stick ...	21,956	7,752	23,045	7,449	1,089	......	......	303
2.—Shell lac ...	11,278	7,617	16,287	11,460	5,009	3,843	......	......
Leather—								
1.—Unmanufactured ...	1,375	2,740	1,908	3,500	533	760	......	......
2.—Manufactured ...	748	929	2,270	2,547	1,522	1,618	......	......
Liquors—								
1.—Beer ...	3,784	2,945	7,646	4,107	3,862	1,162	......	......
2.—Wines ...	3,192	5,533	1,749	3,179	......	......	436	857
3.—Spirits ...			1,007	1,496	......	......		
Metals—								
1.—Copper, unwrought ...			1,611	1,400	......	......		
2.—Brass, unwrought ...	17,490	9,934	1,585	815	......	......	5,946	3,432
3.—Brass and copper wrought ...			8,348	4,107	......	......		
4.—Iron ...	61,672	36,394	1,32,937	77,873	71,265	41,479	......	......
5.—Tin ...	1,245	1,528	2,767	2,617	1,522	1,089	......	......
6.—Others ...	2,116	1,418	6,153	3,995	4,037	2,577	......	......
Oils—								
1.—Castor ...			2,023	412	......			
2.—Kerosine ...	76,284	31,282	61,554	32,978	......	5,688	4,781	......
3.—Others ...			7,926	3,580	......			
Oil-seeds—								
1.—Linseed ...	3,27,444	94,687	10,32,417	3,32,869	7,04,973	2,38,182	......	......
2.—Rape and mustard ...	53,965	12,231	71,479	15,664	17,514	3,433	......	......
3.—Til or jinjili ...	4,888	1,649	4,843	1,288	......	......	45	361
4.—Castor ...	......	......	68,257	14,293				
5.—Poppy ...	......	......	68,982	24,264	1,04,661	34,925	......	......
6.—Others ...	56,978	14,927	20,400	11,205				
Opium ...	568	808	399	353	......	......	169	455
Paper and paste board ...	5,415	4,068	10,470	6,629	5,055	2,561	......	......
Provisions—								
1.—Ghee ...	23,508	18,238	18,618	15,266	......	......	4,890	2,972
2.—Dried fruits and nuts ...	13,115	11,592	15,969	14,006	2,854	2,414	......	......
3.—Cocoanuts ...	2,362	1,593	2,494	1,025	132	......	......	568
4.—Turmeric ...	7,719	7,089	9,472	10,358	1,753	3,269	......	......
5.—Others ...	46,524	25,479	52,407	24,334	5,884	......	......	1,145
Salt ...	3,56,418	65,981	4,77,438	98,335	1,21,020	32,354	......	......
Saltpetre, &c.—								
1.—Saltpetre ...	25,686	12,260	31,375	13,674	5,689	1,414	......	......
2.—Borax ...	743	529	1,996	1,545	1,253	1,016	......	......
3.—Other saline substances ...	18,120	6,043	30,986	8,928	12,866	2,880	......	......
Silk, raw—								
1. Foreign ...	861	699	1,346	1,038	485	339	......	......
2. Indian ...								
Silk Piece-goods—								
1.—Foreign ...	14	50	62	108	48	58	......	......
2.—Indian ...	1,122	816	127	199	......	......	995	617
Spices—								
1.—Pepper ...	7,724	5,619	3,828	4,747	7,595	4,385	......	......
2.—Others ...			11,491	5,287				
Sugar—								
1.—Drained ...	29,778	4,277	18,031	4,635	......	358	11,747	......
2.—Undrained ...	54,873	13,232	1,05,806	15,529	51,433	2,297	......	......
Stone and lime ...	3,45,513	39,964	2,89,017	39,612	......	......	56,496	352
Tea—								
1.—Foreign ...	......	......	......	......	......	......	......	......
2.—Indian ...	1,708	2,040	2,992	3,804	1,284	1,764	......	......
Timber, &c.—								
1.—Timber ...	28,993	6,072	54,595	8,372	25,602	2,300	......	......
2.—Firewood ...	15,968	741	27,484	1,441	11,516	700	......	......
Tobacco ...	39,524	16,095	57,301	21,206	17,777	5,111	......	......
Umbrellas ...	......	......	283	288	283	288	......	......
Wool—								
1.—Raw ...	1,225	1,029	452	328	......	......	773	701
2.—Piece-goods—								
a.—European ...	19	40	97	214	78	174	......	......
b.—Indian ...	1,000	810	1,418	1,384	418	574	......	......
3.—Shawls ...	......	......	4	7	4	7	......	......
All other articles of merchandise ...	3,54,683	1,55,689	3,75,862	1,05,934	21,179	......	......	49,755
Total ...	35,04,036	10,71,679	49,30,749	15,35,161	14,26,713	4,63,482	......	......
Military stores ...	19,246	37,007	14,265	21,723	......	......	4,981	15,284
Coal—								
1.—For public ...	25,37,811	3,92,750	24,40,375	3,86,302	......	......	97,436	6,448
2.— ,, Railway ...	3,72,666	26,131	4,07,888	26,641	35,222	510	......	......
Railway Materials—								
1.—For construction and revenue ...	1,255 2,32,078	794 22,465	7,32,573	69,993	4,99,240	46,734	......	......
Live-stock ...	......	3,095	......	4,355	......	1,260	......	......
Total ...	66,07,092	15,53,021	85,25,850	20,44,175	18,58,758	4,90,254	......	......

E. WEATHERDON, *Assistant Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, *the 7th September* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 5th September 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	232,130	2,31,519 5 0	25,71,185 20	5,86,072 11 3	13,837 10 0	8,31,429 10 3	71,853	98,044½	169,897½
Or per mile of railway	......	151 12 3	.....	384 2 11	9 1 2	545 0 4	......	......	.....
For previous 9 weeks of half-year	2,133,999	21,26,772 15 0	1,86,89,665 0	45,07,224 14 0	1,24,924 14 0	67,58,922 11 0	622,032½	796,403	1,418,435½
Total for 10 weeks ...	2,366,129	23,58,292 4 0	2,12,60,850 20	50,93,297 9 3	1,38,762 8 0	75,90,352 5 3	693,885½	894,447½	1,588,333½
Comparison.									
Total for corresponding week of previous year	220,523	2,18 929 10 11	18,97,164 30	4,28,200 10 11	16,507 6 4	6,63,637 12 2	61,311	73,833	135,144
Per mile of railway corresponding week of previous year ...	......	148 8 3	......	280 11 1	10 13 2	435 0 6	......	......	.....
Total to corresponding date of previous year	2,184,920½	21,52,803 11 1	1,80,40,495 30	39,77,826 5 5	1,61,754 11 7	62,92,386 12 1	621,192	749,056	1,370,248

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 5th September 1891, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,290	4,350 7 0	41,107 30	2,536 3 0	40 0 0	6,935 10 0	938	663	1,596
Or per mile of railway	162½	76 3 5	718 30	44 5 5	0 11 2	121 4 0	.....	......	.....
For previous 9 weeks of half-year	*82,714	*40,161 12 0	*4,72,353 30	†28,852 0 0	‡333 0 0	69,336 12 0	8,462	6,401	14,863
Total for 10 weeks ...	92,004	44,511 3 0	5,13,461 20	31,388 3 0	373 0 0	76,272 6 0	9,395	7,064	16,459
Comparison.									
Total for corresponding week of previous year	9,273½	4,367 0 4	12,595 20	142 14 0	30 14 9	5,340 13 1	1,214	382	1,596
Per mile of railway corresponding week of previous year ..	162	76 5 6	220 10	16 7 9	0 8 8	93 5 11	......	......	.....
Total to corresponding date of previous year	90,681	45,392 3 8	3,13,307 20	19,247 14 0	356 12 0	64,906 13 8	10,136	5,520	15,656

* Deducted number of passengers 858 and Rs. 843 }
† Ditto maunds 13,085 and ,, 255 } on account of differences between the approximate and audited returns from 1st July to week ended 1st
‡ Ditto ,, 74 } August 1891.

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for the week ended 5th September 1891, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,849	3,869 3 0	8,222 30	309 3 0	7 0 0	4,185 6 0	910	129	1,039
Or per mile of railway	......	173 14 4	......	13 14 4	0 5 0	188 1 8	......	......	......
For previous 9 weeks of half-year	*155,924	*37,202 15 0	†41,699 0	†1,413 9 0	‡105 0 0	38,721 8 0	7,824	663	8,487
Total for 10 weeks ...	171,773	41,072 2 0	49,921 30	1,722 12 0	112 0 0	42,906 14 0	8,734	792	9,526
Comparison.									
Total for corresponding week of previous year	16,133½	3,919 14 9	6,476 30	209 7 0	6 8 3	4,135 14 0	919	49	968
Per mile of railway corresponding week of previous year ...	......	176 2 10	......	9 6 7	0 4 8	185 14 1	......	.....	......
Total to corresponding date of previous year	161,977	38,846 11 8	45,933 0	2,034 9 0	49 11 9	40,931 0 5	8,955	439	9,394

* Added number of passengers 4,058 and Rs. 747 }
† Deducted maunds 2,984 and ,, 76 } on account of differences between the approximate and audited returns from 1st July to week ended 1st
‡ Ditto ,, 2 } August 1891.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 5th September 1891, *on* 162 *miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	12,711	8,673 5 0	47,112 0	7,887 7 0	55 0 0	16,615 12 0	5,961	1,610	7,571
Or per mile of railway	......	53 8 8	......	48 11 0	0 5 5	102 9 1	......	......	......
For previous 9 weeks of half-year	*125,131	*85,854 9 0	†3,23,005 0	*57,147 0 0	‡466 0 0	1,43,467 9 0	47,972½	12,419½	60,392
Total for 10 weeks ...	137,842	94,527 14 0	3,70,117 0	65,034 7 0	521 0 0	1,60,083 5 0	53,933½	14,029½	67,963
COMPARISON.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year .	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

* Added number of passengers 1,235 and Rs. 3,056 0 0 }
† Ditto maunds 20,640 and ,, 2,052 0 0 } on account of differences between the approximate and audited returns from 1st July to week ended 1st August 1891.
‡ Deducted ,, 32 0 0 }

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for the week ended 5th September 1891, *on* 777 *miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	173,651	67,700 0 0	7,11,628 0	1,81,750 0 0	8,960 0 0	2,58,410 0 0	26,000	39,145	65,145
Or per mile of railway	223	87 0 0	915 0	234 0 0	†1 0 0	322 0 0	......	......	......
For previous 9 weeks of half-year*	1,331,924	5,55,751 0 0	43,16,313 0	9,75,490 0 0	1,12,621 0 0	16,43,862 0 0	225,600	265,798	491,398
Total for 10 weeks .	1,504,975	6,23,451 0 0	50,27,941 0	11,57,240 0 0	1,21,581 0 0	19,02,272 0 0	251,600	304,943	556,543
COMPARISON.									
Total for corresponding week of previous year	162,168	54,605 0 0	5,59,021 0	1,45,634 0 0	12,200 0 0	2,12,448 0 0	23,967	36,650	60,617
Per mile of railway corresponding period of previous year ..	213	72 0 0	733 0	191 0 0	†[illegible] 0 0	266 0 0	......	......	......
Total to corresponding date of previous year	1,380,563	5,49 234 0 0	57,93,455 0	12,96,070 0 0	1,51,690 0 0	19,96,994 0 0	240,164	308,827	548,991

* Audited up to week ending 25th July 1891.
† Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 5th September 1891, *on* 126 *miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	28 902	8,430 0 0	63,116 0	4,550 0 0	210 0 0	13,210 0 0	4,269	1,720	5,989
Or per mile of railway	231	68 0 0	505 0	36 0 0	2 0 0	106 0 0	......	......	......
For previous 9 weeks of half-year *	238,383	78,942 0 0	3,22,761 0	22,958 0 0	621 0 0	1,02,521 0 0	33,353	15,351	48,704
Total for 10 weeks ...	267,285	87,372 0 0	3,85,877 0	27,508 0 0	831 0 0	1,15,731 0 0	37,622	17,071	54,693
COMPARISON.									
Total for corresponding 12 days of previous year	25,671	5,913 0 0	26,080 0	2,022 0 0	128 0 0	8,063 0 0	3,152	1,411	4,563
Per mile of railway corresponding period of previous year ...	203	47 0 0	209 0	16 0 0	1 0 0	64 0 0	......	......	......
Total to corresponding date of previous year	255,318	79,691 0 0	3,77,838 0	27,719 0 0	2,217 0 0	1,09,627 0 0	36,380	18,368	54,748

* Audited up to week ending 25th July 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 5th September 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	19,897	6,270 0 0	14,036 0	690 0 0	180 0 0	7,140 0 0	2,947	847	3,794
Or per mile of railway	231	73 0 0	163 0	11 0 0	2 0 0	86 0 0	......	......	......
For previous 9 weeks of half-year	146,771	44,500 0 0	87,052 0	6,240 0 0	1,380 0 0	52,120 0 0	23,446	6,020	30,066
Total for 10 weeks ...	166,668	50,770 0 0	1,01,088 0	7,231 0 0	1,560 0 0	59,560 0 0	26,393	7,467	33,860
Comparison.									
Total for corresponding week of previous year	15,818	4,391 0 0	12,714 0	1,161 0 0	306 0 0	5,858 0 0	2,397	887	3,284
Per mile of railway corresponding period of previous year	178	51 0 0	148 0	13 0 0	4 0 0	68 0 0	......	......	.....
Total to corresponding date of previous year	140,336	45,879 0 0	1,23,311 0	9,949 0 0	3,743 0 0	59,571 0 0	23,511	7,333	30,844

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 5th September 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,800	1,030 0 0	13,014 0	660 0 0	20 0 0	1,710 0 0	570	500	1,070
Or per mile of railway	103	38 0 0	478 0	24 0 0	1 0 0	63 0 0	......	......	.....
For previous 9 weeks of half-year*	28,397	10,415 0 0	84,737 0	4,539 0 0	140 0 0	15,094 0 0	4,652	4,477	9,129
Total for 10 weeks ...	31,197	11,445 0 0	97,751 0	5,199 0 0	160 0 0	16,804 0 0	5,222	4,977	10,199
Comparison.									
Total for corresponding week of previous year	2,184	712 0 0	2,082 0	100 0 0	10 0 0	822 0 0	528	2 0	7 8
Per mile of railway corresponding week of previous year ...	80	26 0 0	76 0	4 0 0	...	30 0 0	......	......	......
Total to corresponding date of previous year	29,048	10,319 0 0	84,162 0	4,455 0 0	168 0 0	14,942 0 0	5,271	4,513	9,784

* Audited up to week ending 25th July 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 29th August 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	73,990	27 810	2,45,961	30,330	6 720	64,860	13,014	11,959	24,934
Or per mile of railway	102 62	38·57	341·14	42·07	9 32	89 96	...		.. ..
For previous 7½ weeks of half-year	640,850	2,62,890	24,91,549	3,03,070	61,150	6,27,110	82 569	116,055	198 424
Total for 8½ weeks ...	714,840	2,90,700	27,37,500	3,33,400	67 870	6,91,970	95,583	128,005	223,588
Comparison.									
Total for corresponding week of previous year on 691 miles open	a 62,325	21 362	a 2,54,750	30,716	5 739	57,817	11,959	11 297	23,256
Per mile of corresponding week of previous year	90 20	30 91	368·67	44·45	8 31	83 67	....	.....	......
Total to corresponding date of previous year	a 633,964	2,20,557	a 21,80,698	2,43,601	54 154	5,18,292	99,697	104 201	203 8 8

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 29th August 1891.	Week ending 30th August 1890.	Week ending 29th August 1891.	Week ending 30th August 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	13 770 0 0	10,628 0 0	14,040 0 0	10,734 0 0
Goods	14 [illegible] 0 0	13,178 0 0	17,910 0 0	17 [illegible] 0 0
Other earnings	3 620 0 0	3,491 0 0	[illegible] 0 0	2 248 0 0
Total .	1,810 0 0	27,297 0 0	33,050 0 0	30,[illegible] 0 0

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CONTENTS.

RESOLUTION ON THE ANNUAL GENERAL ADMINISTRATION REPORT OF THE BHAGULPORE DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS.

Darjeeling, the 15th September 1891.

RESOLUTION No. 1092.

READ—

The Annual General Administration Report of the Bhagulpore Division for the year 1890-91.

Tours.

The Commissioner, Mr. C. C. Quinn, spent altogether 100 days on tour, and visited the head-quarters of every district but six only of the 12 sub-divisions of his jurisdiction. His attention will be drawn to the necessity of inspecting all sub-divisions. The station of Rajmehal was twice visited, but, owing to other work of a special nature, no regular inspection of the office or sub-treasury was made. The District Officers made useful tours, in nearly every case exceeding the minimum of 90 days prescribed by Government, during the course of which all the sub-divisions were visited and inspected. Mr. Waller's failure to make a tour of at least the prescribed duration in the Monghyr district should have been explained, but was probably due to ill-health. In the Sonthal Pergunnahs the tours of both the Commissioner and the Deputy Commissioner were chiefly employed in supervising the settlement operations and in making enquiries into the alleged dissatisfaction and excitement among the Kharwars, who constitute the radical party of the Sonthals. Mr. Bright, Officiating Deputy Commissioner, was in the interior for 176 days up to the 10th March 1891, when he was relieved by Mr. Carstairs on the return of the latter from leave. Altogether the tours of the officers in charge of this district reached the very satisfactory figure of 186 days.

All the Sub-divisional Officers completed the full term laid down, much of their attention being devoted to the conduct of the census operations.

Material condition of the Division.

2. The year was marked by an unusually heavy rainfall, but unevenly distributed, the fall in February and March being excessive and resulting in considerable damage to the rabi crops. The bhadoi crop also suffered somewhat from heavy rain and the early rise of the rivers, but the rice gave an excellent outturn, and, from the point of view of the condition of the people generally, the year is reported to have been one of at least average if not of unusual prosperity. The general improvement in the health of the people, as shown by the mortality returns, is attributed by the Collector of Bhagulpore to the scarcity of the previous year having passed away, and the reduction in the recorded mortality in other districts may doubtless be ascribed to the same cause. Where the population live to so great an extent on the margin of subsistence, a rise or fall in prices has a very serious significance for the poorer classes. The total deaths registered declined from 63,308 to 54,036, the decrease in fever mortality from 49,055 to 40,108 being most observable. Influenza left its mark in this division as elsewhere. The only disease which showed an increase was cholera, owing to an epidemic in Monghyr and the northern part of the Bhagulpore district. Attention should be paid to registration in the Sonthal Pergunnahs, where the reported death-rate is only 15·70 per thousand of the population. The assertion that the people of the Division are now fairly protected against small-pox is remarkable, and before it can be accepted, other evidence must be brought beyond the fact that the number of deaths from that disease fell from 435 in the previous year to 98 only.

Emigration.

3. Emigration from the Bhagulpore Division is inconsiderable, with the exception, perhaps, of the Sonthal Pergunnahs district, the Deputy Commissioner of which records a strong protest against the misconduct of the arkatis or agents employed to entice people away to Assam. Twenty-five cases against recruiters appear to have been prosecuted in the sub-divisions of Jamtara, Pakour, Deoghur and Dumka, but the prosecutions were only successful in eight out of these cases. The Deputy Commissioner seems to be very ready to believe that the intending emigrant, who afterwards changes his mind, was necessarily deceived at first by false representations; and he advocates a system by which the gardens should establish respectable agents, who would deal at first hand with the labourers and make advances to the coolies themselves, instead of to low crimps and arkatis. The services of the latter are certainly undesirable, but the trade is one which seems to be incompatible with a high standard of morality. It would no doubt be an excellent thing if there existed a body of respectable agents, who would see the coolies properly conducted to the gardens, paying all expenses and looking after them on the way; but it is doubtful whether any such system could be carried on to the profit of the agents, and also of the gardens. The revision of the Emigration Act of 1882 is still under the consideration of the Government of India, and, pending its decision, all that can be done is to spare no endeavours to bring offending arkatis to justice under the criminal law.

Manufactures, Trade, &c.

4. The tables given in Appendices V (A to E) of the report show a good progress in the outturn of nearly all articles of manufacture in the Division. Indigo, however, shows a decrease in the districts of Maldah and the Sonthal Pergunnahs. The figures cannot be shown here in one statement for the whole Division, as some districts have shown only the weight and others only the value of the outturn. Where separate district tables are given to illustrate the same subject, the Commissioner should ensure that the statistics are presented, as far as possible, in a similar form, so as to admit of ready comparison. In Purneah the value of indigo manufactured increased from Rs. 5,90,396 to Rs. 7,55,165, but this latter figure is very far short of the value produced in 1888-89. In Monghyr the outturn of saltpetre rose from 1,586 to 6,827 maunds owing to the appointment of a Superintendent of Customs to prevent illicit manufacture. In the same district the manufacture of molasses increased from 1,661 maunds to 21,836, and that of ghee by over 100 per cent. In Purneah the outturn of gunny pieces and raw sugar increased by over 50 per cent., and in Bhagulpore that of tusser silk by over 25 per cent.

Country cloth in Purneah also showed a very satisfactory increase in value from Rs. 10,685 to Rs. 29,085. The industries of *bidri* work and the manufacture of satranjis in this district are said to be decaying. The only mine of importance in the division is the Madankata coal mine in the Sonthal Pergunnahs. This mine employed a daily average of 700 men, 150 women and 80 children, and produced 35,344 tons of coal. Trade in the Purneah district was more than usually brisk owing to good harvests and to the opening of the Railway and of new stations at Anchraghât and Debigunge. The traffic is said to have developed so rapidly that the rolling-stock proved quite inadequate, the result being blocks and delays even up to the end of the year. It is doubtful whether there will ever be much interchange of traffic between this and the Tirhoot State Railway, as long as the obstacle of the difficult Kosi ferry is interposed.

Crime and Justice.

5. The Lieutenant-Governor notices a great want of statistical information throughout the report, and more than elsewhere under the headings which deal with crime and civil and criminal justice. Under crime no figures are given for the districts, and very few for the Division. The total of cases both cognizable and non-cognizable showed a slight decrease of 1,257. Efforts were made in Purneah to bring about a decrease of dacoity by negotiations with Nepal and by inducing the people to warn each other at the approach of dacoits by means of fires and bombs. The Lieutenant-Governor when at Purneah was given to understand that these measures had been successful, and that no cases of dacoity had occurred since their adoption; but the report now submitted contains statements inconsistent with the information then furnished to His Honour. Burglaries show a satisfactory decrease throughout the Division.

Under the heads of criminal and civil justice no figures whatever have been given. The review of criminal justice of the year is in fact almost confined to a somewhat sweeping condemnation of the Bench system, the working of which has certainly not been good. The Lieutenant-Governor believes that more might be done both in selecting suitable gentlemen for Honorary Magistrateships in the first instance, and in inducing them to attend regularly when appointed. It is hard to believe that in a district like Maldah "the class of men with leisure and brains to make competent Honorary Magistrates is entirely wanting." Civil cases are said to have shown a decrease in suits for money and moveables, and in rent suits in the Bhagulpore and Maldah districts. In the Sonthal Pergunnahs the decrease in civil suits has been general.

Land Revenue Administration.

6. Figures are given showing the total number of estates and the demand and collections for the year under report and the previous year under four classes, but no explanation is given as to what these four classes represent. His Honour presumes that the classes I to IV in paragraph 107 are meant to be the same as the fourfold division of estates in the Board's Annual Land Revenue Report, viz. class I, permanently-settled estates; class II, temporarily settled; class III, Government estates, and class IV, ryotwari tracts, as there is no indication that any other classification has been adopted; but it would have been more convenient if this had been explained in the report, and if the figures had been combined in one statement showing together the demand and collections for each class and for each district of the Division. The divisional figures given are as follows :—

	Number of estates.		Demand.		Collections.	
	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.
			Rs.	Rs.	Rs.	Rs.
Class I. Permanently-settled.	13,948	14,009	30,23,863	30,23,806	28,72,387	29,86,701
Class II. Temporarily-settled.	67	67	50,2[illegible]5	50,283	39,753	47,713
Class III. Government estate.	192	196	49,806	53,734	34,132	32,824
Class IV. Ryotwari tracts.	5	5	2,37,318	2,34,177	2,14,373	2,10,452
Total ...	14,212	14,277	33,61,187	33,62,000	31,60,645	32,77,690

The above statement would be improved by the addition of columns showing the arrear demand and the arrear collections for each district, and the percentages of the collections on the arrears and on the demand. The percentage of the current collections on the current demand showed a satisfactory rise from 94·03 to 97·47, and the percentage of the total balance on the total demand a similar decrease from 6·2 to 2 5. Current and arrear collections together amounted to 97·3 on the total demand.

In the large Government estate of the Damin-i-koh in the Sonthal Pergunnahs the percentage of current and arrear collections on the total demand declined from 99·45 in the two preceding years to 98·4.

Partitions.

7. Monghyr is reported to be the only district in which the Partition Act is worked to any extent. The results obtained are very discreditable. The district is provided with a Special Deputy Collector, Babu Banku Behari Baxi, for this particular work; but in spite of this the number of cases left pending at the close of the year increased from 104 to 127, while only 25 cases were disposed of as against 50 in the previous year. It appears, however, from a report submitted by the Board on the subject, that the Special Deputy Collector was not altogether responsible for this state of things, as some of the cases were delayed in final disposal owing to the illness of the officer in charge of the district during the year.

Wards' estates

8. Out of the six estates which were under the management of the Court of Wards during the year, the balances of three, viz., Lugmah, Srinagar, and Rohini, are observed to be unduly large. The Lugmah estate is said to be in a very impoverished condition, but this is all the more reason why it should not show an outstanding balance of Rs. 5,303 against a demand of Rs. 20,575 only. The estate of Sankora, where Rs. 14,344 were collected out of a demand of Rs. 14,345, is a specimen of how collections can and should be made.

Revenue other than Land Revenue.

9. There is nothing remarkable in the excise administration of the year. Stamp receipts show an increase of Rs. 63,158, namely, from Rs. 11,09,358 to Rs. 11,72,516, while the charges decreased. The increase was most marked in the case of non-judicial, postage, and miscellaneous stamps, while court-fees showed a decrease of over Rs. 10,000.

The prosecution of cases under the Stamp law was very successful, 47 persons having been convicted in 32 cases as against two persons acquitted.

Under the Income-tax Act, out of an assessment of Rs. 2,35,870, Rs. 2,27,705 were realized. The large balance is said to have been chiefly due to late assessments in the Purneah district.

Education.

10. There has been an increase in the number of pupils both in public and private institutions, but, for some reason not explained, this increase has been accompanied by a very decided decrease in the number of schools of each class. The increase of pupils in the public schools has, moreover, not been large, being only from 93,947 to 94,538, or slightly over ·6 per cent, while in the number of schools there was a loss of 235 out of 5,293 or about 4½ per cent. In Bhagulpore and Purneah there was a decline in the number of primary schools and in the number of pupils taught therein.

The Lieutenant-Governor notices with satisfaction the advance made in female education, the number of girls' schools having increased by 31 with 395 pupils, while 2,161 girls attended boys' schools as against 1,932 in the preceding year. Mohammedan education is also prospering, the percentage of Mohammedans on the school population being in excess of the percentage of Mohammedans on the total population The percentage of aborigines to the school population has fallen slightly, being now only about 6·3.

Dispensaries.

11. The report shows that 25 dispensaries were maintained during the year under the supervision of Government officers. A list of these is furnished, but no statistics are given as to the work which they have done during the year, nor as to the cost of their maintenance. The Commissioner merely observes that, "as in previous years, the dispensaries rendered good service, and that in most of them the number of patients treated was larger than in the previous year, although there was less sickness" In future reports detailed figures should be given.

It is also stated that most missions in the Sonthal Pergunnahs maintain dispensaries, but no clue is given as to the number of such non-official institutions.

Dispensaries are maintained at Bhagulpore and Champanagore under the superintendence of a Lady Doctor whose name is not mentioned in the report.

Zemindari dâk.

12. The rates show very great variations in the several districts, and there have moreover been some slight changes of rate in individual districts since the preceding year. The question of fixing the rate for each district for a term of years, instead of leaving it liable to alteration each year, as it at present is under the Act, is now under the consideration of Government.

Public feeling, conduct of zemindars, &c.

13. A slight uneasiness among the Kharwars of the Sonthal Pergunnahs has already been alluded to. The reports at first received proved to be exaggerated, and confidence was ultimately restored by the Officiating Deputy Commissioner, Mr. Bright, who acted with vigour and judgment throughout Mr. Carstairs' complaint that the constant changes of officers have wasted Government influence in the Rajmehal sub-division appears to be out of place in this particular year, inasmuch as Mr. Ainslie was in charge of the sub-division during the year. The census operations were conducted with smoothness both in the Sonthal Pergunnahs and in the regulation districts of the Division. Ignorant rumours as to the intention of the proceedings were as usual current at times, but they led to no serious results, except in one case, where a stranger was murdered in Bhagulpore during an excitement produced by a cry that child-snatchers were abroad in order to obtain a sacrifice for bridging the Kosi. The Lieutenant-Governor observes with pleasure the high terms in which the conduct of the zemindars of the Bhagulpore district is referred to in connection with the census. On the other hand, it is to be regretted that no Collector has been in a position to omit a list of zemindars whose conduct in relation to their tenants has not been entirely satisfactory. The list given by the Collector of Maldah is formidable, and it is significant that they were mostly absentee landlords. The names included are in some cases those of individuals who have constantly attracted the favourable notice of Government, and the Collector would do well in such instances to draw their attention to any trouble caused by their local agents.

14. The Lieutenant-Governor desires to thank Mr. C. C. Quinn for his administration of the Division throughout the year. Mr. Wace's work as Magistrate and Collector of Bhagulpore has again been very favourably noticed. The testimony borne by the Commissioner to the merits of Mr. Samuells, Mr. Carstairs and Mr. Bright will be duly recorded in the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE RAJSHAHYE DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT.—MISCELLANEOUS—No. 1094.

Darjeeling, the 19th September 1891.

READ—

The General Administration Report of the Rajshahye Division for the year 1890-91.

Mr. Lowis held charge of the division throughout the year. In several of the districts there was no change in the District Officer, and on the whole there was more continuity of administration than it is generally possible to secure. The Commissioner was on tour during 142 days, and did good work, especially in connection with the important settlement of land revenue in progress in the Western Dooars. Certain of the sub-divisions are named as having been inspected by Mr. Lowis, but the Lieutenant-Governor would have been glad to have had it distinctly recorded that he had visited them all.

Tours and inspections.

2. All the District Officers were on tour for the prescribed period of 90 days, except the Collector of Rungpur, who fell short by four days. His explanation, based on the census operations, is insufficient, as the same excuse might have been put forward in every district, and the date and work it would entail were known long beforehand. The Sub-divisional Officers also did their duty in this respect except Mr. Montriou of Alipore in Jalpaigori, who was only four days in camp during five months. The Deputy Commissioner should have been aware of this neglect of duty and applied an immediate remedy. It is essential that all officers should do part of their touring throughout the year, and not leave it to the officers in charge during the cold weather to do the whole. In their inspections of offices and treasuries, the District and Sub-divisional Officers conformed generally with the standing orders, but the Deputy Commissioner of Darjeeling has not a heavy worked office, and must be required to make his inspections half-yearly in future, and the Commissioner should look into the sub-divisional treasuries as well as the offices.

Weather and crops, Public health, &c.

3. The rainfall was unusually heavy during the year in every district; the consequent high floods damaged the lowland crops in Rajshahye, Pubna, Bogra and Rungpur. The cattle and the communications also suffered. On the whole, the amun rice, which is the principal staple of the division, was as good as in the preceding year. The jute outturn was above the average; its cultivation was so much overdone in Rungpur that the fibre was hardly saleable. Indigo, sugarcane and tea were all affected unfavourably by the excessive rainfall. Owing to the ravages of an insect, the average yield of ganja per bigha was the lowest of the last six years, viz., 2 maunds 20 seers, though the area cultivated was the largest during that period. The account given of the ganja crop in the Excise Commissioner's report was probably available to the Commissioner of the Division, and might with advantage have been referred to at greater length. The health of the people also felt the influence of the season: the subsidence of the heavy floods caused malarious fevers to prevail in a general and severe form. Influenza visited almost all the districts of the division, and probably caused, directly or indirectly, many deaths which have been ascribed to fever. The material condition of the people was to some extent affected by the inundations which invaded their homesteads, but there was no actual distress, and the general chronicle of the year, apart from the floods, was one of average prosperity. The prices of food-grains were kept down by the sufficiency of the harvests. Rice was cheaper than in 1889-90, but not so cheap as in 1888-89. There was no remarkable fluctuation in the wages of labour.

Emigration and immigration.

4. The following extract from the Commissioner's report sums up the latest information regarding an experiment of some interest:—

"About 300 Sonthals with cattle were brought during the year by Reverend A. J. Shields and his brother for settlement at Mahakalgoree, in the Alipore sub-division of

the Jalpaigori district. The colony is reported to be doing well, and it is hoped that a much larger number will arrive and take up land next year. The scheme is one intended for the benefit not only of Christian Sonthals, but of the race in general. It has been felt by those interested in the Sonthals that something should be done to regulate and systematize the exodus that is now going on from the Sonthal country, and accordingly a tract of waste in the Government estate of the Dooars has been set apart for Sonthal colonists, where they may live together governed by their own national laws and customs and not losing their national characteristics. At present the scheme is in its infancy, and its development will be watched with interest; it appears to contain great promise of affording a solution of the problem how to deal with the excess population of a poor and over-populated tract of country."

The Lieutenant-Governor has noticed with approval the self-supporting character of this movement, and has had much pleasure in giving it some help during the present year.

Manufactures and trade.

5. Scientific manufactures are less developed in this division than elsewhere. Indigo continues to decline. The silk filatures of Rajshahye experienced the worst year on record through the failure of the mulberry crop. In Darjeeling 47,736 gallons of beer and porter were produced, chiefly for the local troops. In Darjeeling and Jalpaigori taken together 350 tea gardens gave a yield of 23,347,378lbs, which represented an average of 368lbs. per acre from mature plants as compared with 393lbs. in 1889. The Government Cinchona Plantations contained fewer plants and gave a smaller yield, but the private plantations showed better results from a larger number of plants. The cause of this unfavourable comparison has not been explained. The exploration for coal conducted by Mr. Bose in the Darjeeling district, east of the Teesta, has been successful and mining operations are likely to be soon undertaken. Some of the items of the trade returns are worthy of notice as giving an idea of the size of the transactions Thus nearly six lakhs of maunds of rice and 4,75,647 maunds of jute left Dinagepur by rail. The steamer companies at Serajgunge took 23,08,789 maunds of jute to Goalundo for transmission to Calcutta, besides the quantities carried in country boats. The tobacco exported by rail from Rungpur amounted to 11,288 tons. The trade between Jalpaigori and Bhutan again increased largely: the imports from Rs. 1,53,690 to Rs. 1,83,796 and the exports from Rs. 1,39,933 to Rs. 1,68,587. The meaning of the two sets of figures for imports and exports in paragraph 29 is not clear and should be explained. There was a marked revival in the trade with Thibet owing to the partial withdrawal of restrictions on the frontier. The imports of wool (raw) rose from 798 to 4,154 maunds, and of the manufactured article from Rs. 10,201 to Rs. 16,056 in value. The Lieutenant-Governor observed for himself in May last the large quantities of wool coming in on the Gnatong-Darjeeling route. The exports of cotton piece-goods rose from Rs. 18,486 to Rs. 51,858, and it is curious to note that woollen articles were also exported to the value of Rs. 29,503. The reason of this should have been stated. The whole value of trade with Thibet, Sikkim and Nepal has not yet reached dimensions of any importance.

Administrative changes.

6. Besides some minor police arrangements, an outpost was established in the Kalimpong sub-division on the Bhutan frontier: an independent Bench was constituted at a station in the Serajgunge sub-division, and two large Government estates were transferred from Rajshahye to Nadiya. The number of Mahomedans in Government service has risen from 2,346 to 3,147 chiefly in Rungpur and Jalpaigori, by the inclusion of the employés in the State Railway and in the Census and Survey and Settlement Offices. The Mahomedans number 63 per cent. of the population, and hold nearly 35 per cent. of the appointments, so that there is plenty of scope for their further employment.

Crime, Police and Criminal Justice.

7. There was a decrease in the number of cognizable cases reported during the year in all the districts except Dinagepur Rungpur and Jalpaigori. The Commissioner attributes this to two main causes, viz. (1) recruiting, which has led to many suspects and convicts enlisting and leaving the country, and (2) prosperity, combined with a constant and large demand for labour. The analysis of the statistics is not as full as it might have been. The chaukidars are said to have done good work on the whole, and some improvement has been effected in the regularity of their payment by the punchayets. The Commissioner similarly gives credit to the regular police for having worked fairly well, but the

quotations from the district reports are too vague and general to be useful for the Lieutenant-Governor to form an opinion. He notices, however, with satisfaction that their conduct was fairly good, and that under supervision the simpler duties of watching suspicious characters and vagrant gangs have been insisted on with some effect. The percentage of persons convicted to persons tried, ranging from 48 to 67 in the several districts, is not satisfactory, and in Pubna the figures show very poor work. The Lieutenant-Governor has, on his tour of inspection, constantly had occasion to notice the number of remands allowed by the Deputy Magistrates and the detention of witnesses. He trusts to see in future greater despatch in dealing with cases. The Benches in the division have tried 455 cases fewer than last year, but there have been 23 more acquittals. Judged by the ordinary standards, it can hardly be said that these results are good, so that it is difficult for His Honour to share the Commissioner's favourable opinion of their work. It is true that the Benches are useful in lightening the burden of work for the stipendiary Magistrates, and it is consonant with His Honour's experience that independence induces Honorary Magistrates to take more interest and attend more regularly. But the figures above quoted tell their own tale.

Land Revenue administration.

8. The total collections of land revenue reached the percentage of 98 on the total demand, current and arrear together, and two-thirds of the total balance of Rs. 94,296 occurred in Jalpaigori. For this failure on the part of the jotedars various excuses are offered, none of which can be accepted. The Lieutenant-Governor knows that the present assessment and the settlement in progress are both moderate, and, if the jotedars deliberately default, examples should be made in selected cases as a warning to others. Separate orders have issued and will be repeated for current collections to be compared with the current demand. The survey and settlement proceedings in the Western Dooars were in full progress throughout the year, and have brought to light an enormous extension of cultivation to the great benefit of the revenue The subject will be more fully discussed when the Director of Land Records' report comes under review. The want of success in the experiment of introducing cheap sickles in the Dooars is to be regretted. The Lieutenant-Governor cannot be satisfied with 84 per cent. of collections on the total demand from estates under direct management. Similarly in Wards' estates the total current and arrear collections of rent amount to only Rs. 9,22,362 out of a total demand of Rs. 15,06,714. These figures are not creditable to the Managers who absorb an unduly high percentage of the collections as the cost of management. The remarks recorded by the Commissioner on the relations between landlords and tenants are serious as emanating from an officer of Mr. Lowis' great experience. They testify to the existence of an unfortunate state of things. After giving specific instances of ill-feeling, he writes:—

"In fact throughout the division more or less the former cordial relations between landlords and tenants are passing away. The value of land has, by the opening out of railway, roads, and other means of communication, gradually but enormously, increased in this division, and the profits derivable from land have also increased. In this increase the landlords have sought to participate, not by revising their rent roll and increasing the rates of rent which they might have done, but by the time-honoured custom of levying cess; the amount varying according to the power and influence of the landlord. Now that the knowledge of the law on the part of the tenants has increased, and the landlords find that the rents, in order to be realized by a civil suit, must be recorded, an endeavour is being made by them, and resisted by their ryots, to incorporate the old rent and subsequent cesses into a consolidated increased rental; hence the report of quarrels between landlord and tenant in Pubna, Rajshahye, and Rungpur. In Dinagepur, which is a backward district, the rate of rent is often very low; but here, more than elsewhere, the actual receipts of the landlord are largely increased by cesses such as kabulabeshi (*i.e.*, an agreed increase), which they will ere long find a difficulty in realizing, * * * * * but at the bottom of all lies the rent question, the landlords trying to make the old rent, plus cesses, the present demand, and the ryots, in their attempts to escape this imposition, playing off one section of the landholding community against the other. The feeling of traditional respect for, and obedience to, the old established landlords lingers, but, if pressed too hard, the ryot is not slow to invoke the aid of a wealthy neighbour."

It is a somewhat curious commentary on the situation as thus described to hear that the Tenancy Act has worked without friction during the year mainly because its provisions have been but little applied.

Excise, Income-tax; Stamps.

9. The excise revenue shows a slight increase in each district, amounting to Rs. 48,636 in the division: the incidence is 1 anna 8 pies per head only. Simultaneously the stamp revenue decreased by Rs. 24,896, chiefly in consequence of a diminished sale of court-fee stamps, concurrent with a decrease in the number and value of suits instituted in the Civil Courts. The income-tax final demand was Rs. 4,113 above the previous year, but the collections were lower by Rs. 281, and the outstanding balances had increased from Rs. 5,125 to Rs. 9,003. These figures are not satisfactory, and are not fully accounted for. For instance, no attempt is made to explain why the assessments in Dinagepur were so delayed as to be completed too late to be realized within the year.

Communications.

10. Considerable efforts were made in the year to develop communications in the Dooars. Government granted Rs. 10,000 for the improvement of the Alipur-Haldibari road; a total of Rs. 37,000 was spent on original works, Rs. 2,753 were spent on the improvement of other roads, and Rs. 2,300 out of the Dooars Improvement Fund for the construction of three new roads. The Jalpaigori Dooars Railway has been sanctioned and is to be completed by private enterprise within two years. The construction of four large bridges on the Central Emigration Road, an important feeder to the Haldibari Railway station, was undertaken by the Jalpaigori District Board by means of a loan taken from Government. A resurvey of the line projected from the Sultanpore railway station to Bogra is in progress, and suggestions for its extension have been thrown out, but they will require much closer examination and the financial co-operation of those locally-interested before they can assume a practical shape. The steamer services between Rampore Boalia and Damookdea and Maldah and between Pubna and Kooshtea have conferred an immense boon on the inhabitants and traffic of those districts, and the Lieutenant-Governor would be very glad to see them extended wherever possible. The sum of Rs. 1,98,617 was actually spent by the District Boards and Road Cess Committee in the division as compared with Rs. 2,03,709 spent on repairs. The Collector of Rungpur reports "that he has been for months urging the authorities to extend the Rungpur line to Bhowanigunge on the Brahmaputra, a post of call for 'despatch' steamers, and only four miles from Gaibanda. Though Messrs. Macneil and Company of the Rivers Steam Navigation Company have guaranteed expenses, nothing has yet been done. There is no office on the Brahmaputra between Dhubri and Serajgunge. Messages are now ferried across the Teesta at Kownia in Rungpur, and a great waste of time results. The line should be carried across the river." The Lieutenant-Governor desires to be furnished with a fuller explanation of the proposition and the difficulties encountered.

Education.

11. Taking the Division as a whole, and having regard to the total number of schools, there was a loss of 24 schools and 1,585 pupils. The number of pupils, 92,993, is thus almost identical with the number 92,990 under tuition in 1888-89. The decrease is chiefly in Pubna and Bogra, and under the heads of lower primary and indigenous schools, attributed in the former district to the high flood and consequent distress, and in the latter to the insufficiency of the rewards given to the gurus and the want of returns. It is feared that the advantages of education are not as fully appreciated in this Division as elsewhere. The percentage of attendance of boys of school-going age has fallen from 16 to 14, and there were only 1,509 girls at 84 girls' schools, besides 1,462 at boys' schools. It is a noticeable feature that the proportion of Mahomedan boys under education is larger than that of Hindu boys, but this criticism is limited to those studying in the lower primary and indigenous schools.

Local self-government, &c.

12. The Commissioner reports that, generally speaking, the attendance of the members of the several local Committees in the division shows a slight improvement over that of the preceding year. This may be so, but it is not proved by the figures furnished, which only state the average attendance at each meeting for the year under report, without mentioning the total number of members of the Committees and Boards at each place: it would also be useful to know the number of meetings called and held. The Lieutenant-Governor has

perused with attention the remarks made regarding the work done by each of the principal municipalities, and will take another opportunity of expressing his views on municipal administration generally. But he will say now that in his opinion the registration of births and deaths which is performed in the Rampore Boalia Municipality, for instance, by four Sub-Registrars assisted by two domes and three chaukidars should receive more personal attention from the Commissioners. If they will divide the municipalities into wards, and each take charge of one, it is hardly possible that they will fail to hear of the domestic occurrences within those areas, and it is not too much to expect that they will verify that these events have been accurately entered in the registers. A system so worked is far preferable to enforcement of the penal provisions of the law. It is unsatisfactory to hear that five meetings of a District Board had to be postponed for want of a quorum.

Conduct of zemindars.

13. After what has been said above of the relations between landlords and tenants, it is an agreeable surprise to read that the zemindars in the division are, on the whole, considered to have conducted themselves well. The following are favourably mentioned—the Tagore zemindars of Pubna, Babu Dakhina Ranjan Sanyal of Salap in Serajgunge, Rajah Govindo Lal Roy of Rungpore, Rajah Janoki Bullav Sen of Dimla, and the Rajah of Kakina. Most, however, of the principal zemindars in Rungpur are absentees and the estates of others are under the management of the Civil Courts.

14. The Lieutenant-Governor desires to place on record his high sense of the services rendered to Government by Mr. E. E. Lowis through a long career. His intimate knowledge of the country and its inhabitants has rendered his advice especially valuable in connection with the settlement operations in the Dooars. The favourable mention made by the Commissioner of Mr. Marindin, Colonel Boileau, Mr. Sunder, and his Personal Assistant Babu Hari Mohan Chandra entitles them to the acknowledgments of Government.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE PRESIDENCY DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS No. 1113.

Darjeeling, the 21st September 1891.

READ—

The General Administration Report of the Presidency Division for the year 1890-91.

MR. A. SMITH was in charge of the Presidency Division during the year, except for two months, when he was on leave and Mr. E. V. Westmacott officiated for him. His thorough knowledge of the Division and of its wants, and his extensive experience, are apparent in his report, which deals fully with every subject. It is a matter for regret that the District Officers of the 24-Pergunnahs and Nuddea were changed several times on public grounds.

Tours.

2. The Commissioner visited the head-quarters of all the districts, and states that he inspected most of the subdivisional offices and treasuries. He ought to have inspected them all in the course of the year. This is an omission which the Lieutenant-Governor is not disposed to overlook, and he trusts that it may not occur again. The tour of the Collector of the 24-Pergunnahs again fell short of the period of 60 days prescribed for this district, though a similar failure was unfavourably noticed last year. Sir Charles Elliott cannot regard the system of flying visits, which obtains in this district, as an adequate substitute for a regular tour, and desires that it may be avoided in future. It is also important that District Officers should leave full inspection notes on record, and that every Subdivisional Officer should have an inspection book, which Commissioners should examine for themselves and see that irregularities when noticed are corrected. The preparation for the census was the chief object of all the tours, but the Collector of Moorshedabad was also engaged with the distribution of charitable relief and the issue of loans to counteract the effects of the floods. The Subdivisional Officers, without a single exception, more than fully complied with the orders of Government in respect of touring. No sufficient explanation has been offered for the failure of the several Collectors to inspect their offices at Alipore and their subdivisional offices and treasuries. The use of office inspections was amply proved by the irregularities in several departments detected by the Collector of Moorshedabad at his periodical examination of his office registers.

Weather and crops.

3. In four out of the five districts the rainfall was heavier than in the two preceding years, and it was for the most part favourably distributed, occurring in the months in which it was most required for the crops. A great portion of the districts of Nuddea, Moorshedabad, and Jessore, and small portions of the 24-Pergunnahs and Khulna, were flooded. The following table shows approximately the extent and severity of the damage done by the inundation:—

	Area affected in square miles.	Quantity of aus destroyed. Annas.	Quantity of amun destroyed. Annas.
24-Pergunnahs	129	2	16
Nuddea	835	14	12
Jessore	565	8	16
Khulna	100	2	12
Moorshedabad	351	10	3

Relief was freely given in the affected localities wherever needed, so that Rs. 79,651 were spent under various heads in the Division; the agricultural loans advanced amounted to Rs. 64,318 of this total. The net result of the season was that in all the districts the outturn of the aus rice was 2 to 4 annas less than the previous year, and the amun rice was similarly deficient in three districts: only in Moorshedabad the harvest gave a somewhat larger produce.

Public health and material condition of the people.

4. Assuming that the registration of deaths can be trusted—and this is a very large assumption—the recorded statistics of mortality show that the Division was more unhealthy than in the two years preceding, the ratio of deaths per 1,000 of the population having increased from 23·7 and 22·9 to 25·8. The increase is entirely

attributable to a larger number of deaths from fever, as the deaths from cholera and from other causes were fewer than in either of the two previous years. Jessore and Khulna fared worse and Nuddea and Moorshedabad better than in 1888-89 and 1889-90, but the health of the 24-Pergunnahs deteriorated. It is a matter for congratulation that the Ardhodoya Jog festival in February, which attracted great multitudes of pilgrims to the Ganges, gave rise to no serious outbreak of cholera. It is also satisfactory to note the general improvement in Nuddea in both the urban and rural areas, comparing favourably with the years antecedent to the unhealthy period, 1880—85. Influenza is said to have prevailed in Khulna in an epidemic form, leading to many deaths by fever and other complications among its victims: a similar epidemic attacked Moorshedabad. In other respects there was no particular outbreak, but, as the Commissioner observes, imperfect drainage and the want of good drinking water are the chief sanitary defects complained of everywhere. The material condition of the people shows no marked change from year to year: the floods already mentioned necessarily caused some suffering, but there was no rise in the prices of food-grains to accentuate the distress. In fact rice was cheaper, as compared with the previous year, in all the districts except Khulna: the stocks in hand and the movements of trade kept prices down. The price of skilled labour has risen in the 24-Pergunnahs since two years ago; otherwise there has been no change in wages.

Manufactures and trade.

5. The number (46) of mills, presses, and factories at work in the 24-Pergunnahs remained unchanged, but considerable variations took place in the outturn. For instance, the gunny bags and cloth produced fell in value from Rs. 1,69,74,814 to Rs. 1,17,48,571, and jute baling from Rs. 2,72,82,140 to Rs. 1,88,55,919, owing to a depression in the colonial and country demand. Cotton twist and yarn showed an increase of production, but the trade has since taken an unfavourable turn. Indigo in Nuddea was so much damaged by the floods that the produce fell from 6,650 maunds, valued at Rs. 11,52,806, to 2,338 maunds, valued at Rs. 4,07,478. Similarly, in Jessore and Moorshedabad the outturn fell from 2,695 to 858 maunds and 4,358 to 2,279 maunds with corresponding diminutions in the values. In the former the agrarian difficulties added to the effects of the bad season. The sugar industry is declining to some extent. In Jessore the number of factories diminished from 180 to 160, as well as the weight and value of unrefined sugar: the case was similar in Khulna, and in both districts the importation of cheap foreign sugar is ascribed as the cause. The silk filatures in Moorshedabad decreased by 12, but the quantity of silk manufactured showed an increase. The Lieutenant-Governor regards the returns of the Calcutta trade, except that which is rail-borne, as open to much doubt. But taking the figures as derived from the registration offices on the roads for what they are worth, as apart from the river traffic, they show an increase of over 7½ lakhs of maunds imported into Calcutta. The trade on the Nuddea rivers shows a large increase in the imports and decrease in the exports, attributed to the effect of the flood on the district. The returns of the Khulna trade afford some evidence that merchants and traders have not found it convenient on account of the difficulties of transhipment to avail themselves of the rail to any appreciable extent.

Administrative changes.

6. Under the heading of administrative changes the Commissioner has collected the several improvements effected in official procedure during the year, such as the system of payment of rent by money-orders, &c. Such a list is useful for reference, but its application is not limited to the Division, and the different matters will be dealt with in the departmental reports. Certain alterations of jurisdiction have been effected, as, for instance, Magisterial and Small Cause Court powers have been given to the Station Staff Officer at Barrackpore within cantonment limits; the boundaries of the Sealdah Police Court have been extended, and in Khulna new registration offices have been opened in the Bagirhat sub-division. The number of Mahomedans in superior service has increased from 201 to 322, and in inferior service from 1,611 to 1,911. The figures do not appear to have been compiled with proper care: all the percentages required have not been calculated, and it is not clear, in the case of Nuddea for instance, how the percentage of appointments held by Mahomedans can have fallen from 34·4 to 25·2, when the number of employés has risen from 61 to 254.

7. The number of cognizable crimes reported in the Division has decreased from 14,798 to 14,689. There was a marked development of rioting, from 381 to 490 cases, attributable in the main to the indigo disturbances in the Jhenida and Magurah subdivisions. At the same time non-cognizable crime diminished from 18,305 to 17,647 cases. No special explanation has been given of these general results, which are the outcome of the fluctuations in each district. The conduct of the police during the year appears from the statistics of punishments to have improved, and the percentage of convictions obtained in police cases rose from 27 to 29. The increase in the reconvictions from 182 to 212 may also be credited to the police. The following passage from the report of the Magistrate of the 24-Pergunnahs reflects credit on the village police and punchayets of that district as a body:—

Police and crime.

"There has been nothing to complain of in the conduct of the chowkidars. They have done fairly on the whole. In this district they receive good salaries, varying from Rs. 4 to Rs. 6 per mensem; the higher figure being more common. Moreover, under the excellent system devised by Mr. Forbes, they are paid with remarkable punctuality once a quarter in the presence of a gazetted officer. They have nothing to complain of in respect of remuneration, and their shortcomings are chiefly due to imperfect supervision. There is generally a good understanding between the village punchayet and the chowkidar. The sympathies of the punchayets are generally on the side of law and order, and they are on the whole valuable aids to the police."

The Benches, and Honorary Magistrates sitting singly, dealt with 7,647 cases during the year 1890, as compared with 6,027 in 1889. They have almost all been made independent, and the attendance of the Honorary Magistrates, except in a few instances, has been generally regular.

8. The percentage of collections on the land revenue demand has risen from 95·73 to 96·8. Another year the percentages should be calculated separately on the different classes of estates. No explanation is offered of the large abatement of revenue, amounting to Rs. 1,00,138, which greatly affected the arrear demand and neutralized the better results obtained in the current collections. The financial results of the management of khas mehals were, as the Commissioner admits, far from satisfactory. The percentage of collections, viz., 77·7 on the gross demand, is not creditable, and as the percentage on the current demand is given as 93, it is not clear what is the object of stating the percentage on the current demand in 1889-90 to have been 106, unless it is to draw attention to the shortcomings of 1890-91. The bad results are ascribed to floods and vicissitudes of season; but it should be remembered that the assessment is intentionally moderate to admit of its being levied in all seasons alike. The subject of Government estates is receiving His Honour's special attention, and he expects District Officers to realize the importance which Government attaches to it. The omission of all allusions to settlements in the Commissioner's report is remarkable and should not recur. Sir Charles Elliott trusts that in working the Sale law with leniency and moderation as the Commissioner reports, the Collectors are not neglecting the just rights of Government or encouraging a tendency to unpunctuality and unthrift among the payers of land revenue.

Land revenue.

In the table of the demands, collections, &c., of the Road and Public Works cesses an unnecessary distinction has been made between the two cesses, the figures being identical (except when there is an odd rupee in the collections), and in future they might be treated together. The percentages of collections, viz., 83 of the current and 76 of the arrear demand, are not at all up to the standard which Sir Charles Elliott desires to see attained. Similarly, in Wards' estates instances are given of unsatisfactory collections, in which great improvement must be insisted on. In the Cossimbazar estate, for instance, over 100 per cent. of the current demand was realized, but it is simultaneously admitted that only about 50 per cent. of the total demand was secured.

Cesses.

Wards.

9. The total increase in the excise revenue of the Division was Rs. 1,33,078, obtained from every exciseable article except rum. The increase in Calcutta was over Rs. 1,40,000, attributed to the better settlement of shops, larger

Excise, salt, stamps, income-tax.

consumption of licit liquors and licit ganja and opium, but there was a decrease in three out of the five districts. The licenses issued were 240 less than in the previous year. The falling off in the consumption of salt in the protected areas of the 24-Pergunnahs and Khulna recorded last year was recovered by an increase of nearly 25,000 maunds. The Lieutenant-Governor trusts to the local officers to see that the penal clauses of the Salt Act are enforced with discretion, and that petty offences are not multiplied with a view to improving the appearance of police returns. The increase in the stamp revenue was Rs. 1,57,045, against an increase of Rs. 1,27,623 in 1889-90—a satisfactory indication of the better observance of the law and of the facilities afforded for the sale of stamps. The gross demand on account of the income-tax was Rs. 37,964 less than in the previous year, but the eventual collection showed an increase of Rs. 30,276: these figures, taken together, indicate an improvement in the method of assessment.

Roads and communications.

10. Constant applications are made to the Lieutenant-Governor in addresses presented to him on his tours of inspection for the construction of branch railways, feeder lines, tramways, &c., which show that the people fully appreciate the benefits conferred on them by British enterprise in these respects. But it is generally found that such proposals are submitted in an immature, crude state, and that their promoters are more anxious to obtain the assistance of Government than ready to come forward themselves with the necessary funds. Sir Charles Elliott has had considerable experience of schemes of this character, and has invariably pointed out that the resources of Government are limited and are required for the development of arterial communications, so that projects of local importance must enlist the sympathy and support of local capitalists, or at any rate of private enterprise, if they are to be executed within a reasonable period. At the same time he has gladly intimated his willingness to afford the aid of the skilled officers of Government in making surveys and framing estimates for promising lines of railway and ancillary works. When the Commissioner wrote his report, he was apparently unaware that the Nalhati State Railway is to be made over to the East Indian Railway Company, who will doubtless effect the improvements required in its working. He is apparently not quite correct in stating that all attempts to keep the Bhagirathi navigable are unavailing, as His Honour was lately informed locally that a passage of some feet of water is maintained through the cold weather. It is satisfactory to notice that the condition of the roads has been very much improved during their three years' management by the District Board of the 24-Pergunnahs. The statement that the communications in Nuddea are gradually deteriorating requires the attention of all concerned.

Education.

11. It would have been a help to Government if the Commissioner had made some attempt to elucidate the educational statistics of his Division with some comments of general application. The schools of all grades regarded as public institutions decreased from 5,794 to 5,521, and their pupils from 191,013 to 177,404. Allowing for one new private institution, there has been a net loss of 272 schools and 13,599 pupils. It is to be regretted that this loss has occurred almost entirely in the lower primary schools and female schools. At the same time the expenditure from public sources increased, while private contributions declined. The District Boards have aided the upper rather than the lower primary schools. The unaided lower primary schools advanced, both in respect of the number of schools and of the pupils, affording evidence of the demand for this class of education, which it is specially the duty of the District Officers and District Boards to meet as far as possible. Notwithstanding the figures above quoted, the District Boards are said to have generally evinced much interest in educational matters and to have worked harmoniously with the Educational Department. The Commissioner attributes the decrease in primary schools and pupils, not so much to a change of system, as to want of care in the collection of the statistics by the departmental officers. The attention of the Director of Public Instruction will be invited to these remarks. The number of Mahomedan pupils declined by 3,570, but the percentage of them as compared with the total number of pupils varied to an infinitesimal degree.

District and Local Boards and Municipalities.

12. The portion of the Commissioner's report which deals with Local Self-Government institutions is replete with facts, such as the constitution of the various committees, their meetings, &c.; but, for a survey of the general question, Mr. Smith contents himself with referring to the opinion he expressed last year, that the system of Local Self-Government continued to work smoothly and with fair success. One of the District Officers writes:—

"I am doubtful whether Local Boards, as at present constituted, are of much real use. They have scarcely any power of initiation, and their functions are practically confined to disbursing fixed grants on certain prescribed work. They take no part in the financial administration of the district, and their efficiency as executive agents of the District Board is not great. On the other hand, they spend a certain amount of money on establishments, office buildings, and the like, which might be more usefully applied. I am disposed to think the scheme of Local Self-Government requires revision."

And the same officer writes of municipalities:—

"The elections have disclosed the circumstance that the best men, generally speaking, stand aloof from municipal administration, while seats at the Municipal Board are hotly contested by those who lead, or who have to serve, village factions, or seek to acquire or keep up influence with the people of the locality. A few men undoubtedly there are who seek or accept office from purely unselfish motives; but these are rare."

The Commissioner, however, regards Local Boards as useful agencies for controlling the local expenditure, and very properly considers that the remarks about municipalities are not applicable to such institutions in India alone.

Public feeling and the public press.

13. In this Division there is more chance than elsewhere of an educated public opinion being developed in the towns, but it is not to be expected that there will be any special change from year to year among the masses of the people. Their interests in life are necessarily limited to their immediate concerns—in many cases to their ancestral homes and fields. There are 38 presses, chiefly engaged in publishing newspapers; some of them are to be found in each district except Khulna, and the total circulation of the daily and weekly issues amounts to a considerable number, working up to the formation of what would be regarded as public opinion in any other country, though in India it represents the views of a limited circle. The subjects discussed in the vernacular papers were the same as those which filled the columns of the English press, with the difference that more prominence was given to such local matters as the floods and losses of crops. With regard to the tone of the vernacular and Anglo-vernacular press, the Commissioner writes as follows: "it shows signs of gradual, but steady improvement; more care is taken to get at real facts, and it is becoming understood that indiscriminate and unvarying censure destroys its own effects." These views are rather optimistic, and the Lieutenant-Governor doubts if it is accurate to say that there is any perceptible improvement in the tone of the vernacular press in general, but he is glad to believe it true in the case of the more respectable newspapers. Indeed the Commissioner goes on to add:—"The criticism is frequently puerile and nearly always hostile. It is difficult to believe that some of it is written in good faith."

Conduct of zemindars.

14. Absenteeism is the characteristic of the richer landlords in the 24-Pergunnahs, as elsewhere. In Nuddea no special work of public utility was carried out by any of the zemindars, but both here and in other districts they contributed for the relief of distress when required, though not always as much as they might have done. In the Satkhira subdivision some of the zemindars and talookdars were concerned in criminal cases, but on the whole the relations between landlord and tenant were amicable throughout the Division. The Maharani Surnomoyi, C.I., again exhibited the generosity which has made her name so renowned for her acts of liberality and charity. The Nawab Bahadur of Moorshedabad, whose serious illness is greatly to be lamented, and other members of the Nizamat family showed themselves worthy of their position. It is a welcome sign of the times that members of this historical family have commenced to take marked interest in local affairs, and the Lieutenant-Governor trusts that their good example will induce other native gentlemen of family to undertake serious and responsible public duties, in which they can do much to co-operate with Government.

15. The Lieutenant-Governor, in acknowledging the fulness of the Commissioner's report, will only express a wish that his successors will, besides stating facts, devote more attention to the formation of conclusions on a review of the varying circumstances of the districts. He takes this opportunity of recording his sense of Mr. A. Smith's merits as a painstaking and experienced officer, possessed of great knowledge of Bengal administration and of ripe judgment. Sir Charles Elliott is glad to notice the favourable opinion expressed by the Commissioner of Mr. Forbes, Mr. Bolton, Mr. Ritchie, and Mr. Baker as District Officers, and of Baboo Durgagati Banerjee as Collector of Calcutta. The Commissioner's remarks on all the officers subordinate to him will be duly considered in the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 19th September, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
		Western Districts.		
Burdwan Divn.	1	Burdwan Sept. 19, '91	0·19	Weather—hot. *Aus* paddy reported to be a 16-anna crop in Culna. Sugarcane and other crops doing well. For *aman* crop more rain wanted throughout district. Fodder plentiful. Prices of common rice :— Srs. Burdwan ... ... 17 Culna ... ... 13¾ Cutwa ... ... 16 Raneegunge ... ... 16 } per rupee.
		Culna ...	1·97	
		Cutwa ...	0·26	
		Raneegunge ...	1·09	
	2	Bankoora „ 19, '91	1·01	Sky clear and weather warm. Harvesting of *aus* continues. Prospect of *aman* favourable. Condition of cattle good and supply of fodder sufficient. Common rice selling at 18 seers per rupee at Sudder and 17½ seers at Bishonpore.
	3	Birbhum „ 19, '91	0·45	Almost no rain during the week; only an inch and-a-half since the beginning of the month, and 4½ inches in the last 4 weeks. This is certainly bad, and the rice in the high grounds has distinctly suffered, though the low ground crops still look very well. Much depends on good rain falling soon. Condition of cattle normal. Fodder and water everywhere plentiful.
	4	Midnapur „ 19, '91	3·33	Weather—seasonable with occasional showers. Prospects of paddy crop good. Sesame and sugarcane doing well. Cattle-disease in Chandrakona, Keshpur, and Garbeta. Prices of common rice :— Srs. Sudder ... ... 16 Contai ... ... 18 Tamluk ... ... 16 Ghatal ... ... 16 } per rupee.
	5	Hooghly „ 19, '91	1·45	Weather—hot with slight showers now and then. *Aus* paddy being harvested. Winter paddy and sugarcane promise well. Cattle-disease in isolated places reported from thanas Chunditola and Palba. Water and fodder for cattle sufficient everywhere. Prices of common rice :— Srs. Sudder ... ... 13 Serampore ... ... 13 Jehanabad ... ... 16 } per rupee.
		Serampore ...	2·44	
		Jehanabad ...	0·29	
	6	Howrah „ 19, '91	1·11	Weather—showery. Harvesting of jute and *aus* crops nearly finished. Prospects of *aman* and sugarcane satisfactory. Price of coarse rice 14 seers per rupee. Fodder and water-supply sufficient. Health of cattle good.
		Uluberia ...	2·29	
		Central Districts.		
Presidency Divn.	7	24-Perghs. Sept. 22, '91	1·28	Weather—seasonable: hot and cloudy. *Aus* and jute crops are being cut and harvested with 14 and 13½ annas outturn respectively. Transplantation of *aman* almost completed. Sugarcane and *aman* doing well. More rain wanted for *aman* in Baraset. Prospects good. Cattle-disease reported from Diamond Harbour and Harowa. Supply of fodder and water sufficient. Prices stationary.
	8	Nuddea „ 19, '91	0·69	Weather—sunny and bright. Harvesting of *aus* almost finished. *Aman* plants require rain. Other crops on the ground doing well. Condition of cattle good. Supply of fodder and water sufficient.
		Kushtea ...	1·17	
		Meherpur ...	0·21	
		Chuadanga ...	0·37	
		Ranaghat ...	1·21	
	9	Khoolna „ 19, '91	2·74	Weather—unsettled with thunder and occasional heavy showers. Cutting of *aus* and jute nearly finished. Transplantation of *aman* going on in parts. More rain still wanted. Fodder sufficient. Cattle-disease still prevalent.
		Bagirhat ...	0·53	
		Satkhira ...	1·45	
	10	Jessore „ 19, '91	1·78	Weather—hot. Prospects fair. *Aman* paddy wants more water. Rivers are beginning to rise again, but slowly.
		Jhenidah ...	0·50	
		Magura ...	1·34	
		Narail ...	0·62	
		Bongong ...	1·37	
	11	Murshedabad „ 21, '91	1·46	Weather—hot and cloudy. Harvesting of *bhadoi* almost completed. Transplantation of *aman* finished in Lalbagh subdivision. Rain much wanted. 29 head of cattle died of small-pox in thana Khargaon in Kandi subdivision. There is sufficient supply of fodder.
Rajshahye Divn.	12	Dinagepur „ 19, '91	0·89	Weather—hot. Outturn of both *bhadoi* and jute estimated to be 10 annas. Recent rain has done some good to standing crops. More rain still wanted for winter rice, prospects of which are not favourable. Condition of cattle reported to be good. Supply of fodder and drinking-water sufficient. Price of rice at Sudder stationary.
		Thakurgaon ...	2·94	
	13	Rajshahye „ 19, '91	Figures not given	Weather—very hot and not enough rain. Recent rain has done much good; but a great deal more rain wanted over greater part of district. *Aus* and jute have not yielded plentiful crops. Supply of water and fodder generally ample. A little cattle-disease reported.
		Nattore	1·92	
		Nowgong ...	4·60	
	14	Rungpur „ 19, '91	2·08	Weather—hot and cloudy. Prospects not favourable. More rain wanted for cultivation of *aman*. Fodder sufficient. No report of cattle-disease from anywhere.
		Nilphamari ...	1·05	
		Gaibanda ...	0·08	
		Kurigram ...	1·21	

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Central Districts—concld.		
Rajshahye Divn—*concld.*	15	Bogra Sept. 19, '91 Sherpur ... Nowkhilla ...	1·51 4·26 2·36	Weather—generally fine; occasionally overcast. Late rain has improved prospects of *aman* rice, and there is no immediate cause for serious apprehension. Transplantation going on, but generally much behindhand. Growth of crops previously transplanted rather slow, but none have failed. It is particularly fortunate that the heaviest rain has been in the south of the district (about Sherpur and Nowkhilla), where the fall had previously been exceptionally scanty. But a good deal more rain will be needed during the next few weeks. Some land is being cultivated for mustard and other cold-weather crops. Sugarcane doing well. No lack of fodder. Price of common rice has not lately risen: it is selling at 15 seers a rupee.
	16	Pubna „ 19, '91	0·45	Weather—hot and cloudy. More rain wanted. Rivers again subsiding. Jute still being reaped. Prospects of *aman* paddy not very favourable for want of water. Condition of cattle good. Fodder sufficient.
	17	Darjeeling „ 19, '91	3·49	Weather—fair. Cutting of *bhadoi* crops completed; outturn appears to be between 10 and 12 annas. More rain wanted for *haimanti* rice. Condition of cattle good. Supply of fodder and water sufficient.
	18	Julpigoree „ 19, '91	5·34	Weather—very hot. Rain much wanted. Prospects of crops not good. Price of rice rising. Supply of fodder and water sufficient. Condition of cattle good.
		Eastern Districts.		
Dacca Divn.	19	Dacca Sept. 19, '91	1·23	Weather—seasonable. Harvesting of *aus* rice nearly completed. Jute being cut. *Aman* paddy has been partially damaged in high lands. Fodder and water available. Condition of cattle good. Common rice sold at from 15 to 18 seers per rupee.
	20	Furreedpur „ 19, '91	1·02	Weather—seasonable. Prospect of crops fair. More rain wanted for paddy on high lands. Rice selling at 16, 15, and 16¼ seers per rupee respectively at Sudder, Goalundo, and Madaripur. Condition of cattle good, and fodder available.
	21	Backergunge „ 19, '91 Patuakhali ... Perozepur ...	1·87 2·07 2·39	Weather—somewhat hot. State and prospects of crops fair. Prices of common rice 13 to 18 seers per rupee. Condition of cattle on the whole good. Supply of fodder and water sufficient.
	22	Mymensingh „ 19, '91	2·47	Weather—hot with occasional rain. Transplantation of winter rice almost finished. The crop has been much damaged by want of rain. Condition of cattle fair. Supply of fodder and water plentiful. Common rice sells at 14 seers per rupee.
Chittagong Divn	23	Chittagong „ 22, '91	0·39	More rain much wanted. *Aus* still being harvested. *Aman* transplanted to about 12 annas of land, but suffering for want of rain. Prices have risen slightly.
	24	Noakhally „ 19, '91	2·63	Weather—showery in beginning of week: rainless and very hot since. Standing crops benefited by some heavy showers that have fallen; but more rain is much wanted. Prices lower at Sudder, higher at Fenny. Fodder and water-supply sufficient.
	25	Tipperah „ 19, '91	1·48	Weather—hot. Cloudy. Rain wanted for standing crops and for transplantation of rice throughout the district. Prospects of rice crop less favourable. Jute trade brisk: rates high. Prices of food-grains stationary. Fodder insufficient.
	26	Chittagong Hill Tracts. „ 17, '91	0·78	Weather—extremely hot throughout the week. Harvesting of *jum* paddy continues. Transplanting in low lands by plough-cultivators nearly complete. Lands are being ploughed for mustard. Common rice being sold at 13 seers 5 chittacks per rupee.
BEHAR				
Patna Divn.	27	Patna „ 19, '91 Barh ... Behar ... Hilsa ...	2·83 1·00 2·04 1·02	Weather—very sultry and uncertain. Harvesting of *bhadoi* crops going on. Rain during the week has somewhat improved the rice crop. More rain wanted. Little or no time left for transplantation. Prices stationary.
	28	Gya „ 19, '91 Jehanabad ... Nawada ... Aurungabad ...	0·81 0·08 1·53 Nil	Weather—hot and occasionally cloudy. *Bhadoi* being harvested. Late rain has done some good to paddy. More rain wanted. Prices of food-grains almost stationary. Supply of fodder and water for cattle sufficient.
	29	Shahabad „ 19, '91 Bhabuah ... Sasseram ... Buxar ...	2·69 0·12 0·64 2·06	Weather—hot. Winds east, when any. Prospects have much improved in Arrah and Buxar subdivisions, where there has been a fall of rain of over 2 inches. In Sasseram rain has also done good. In Bhabuah crops are yet in good condition, but rain is badly wanted. Harvest of *bhadoi* going on. More rain still required. Prices stationary.
	30	Durbhunga „ 19, '91 Somastipur ... Madhubani ...	0·11 0·22 0·21	Weather—hot and occasionally cloudy. Paddy on low lands still good, but rain urgently wanted. Nothing but heavy rain within a week can save the crops. *Bhadoi* being harvested and is a very fair crop. Cattle in good condition. Fodder and water plentiful.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*					
PATNA DIVN—*concld.*	31	Mozufferpur	Sept. 19, '91	0·22	Weather—hot and occasionally cloudy. Want of rain is being much felt throughout the district. Fields are dry, but hitherto no appreciable damage has been done. A good *hathiya* rain can still save the rice crop. *Bhadoi* harvest still continues. Indigo *mahai* almost finished. Prices stationary in Sudder, rising in Sitamarhi. Ample fodder and water-supply for cattle.
		Hajipur	...	0·85	
		Sitamarhi	...	0·50	
	32	Sarun	„ 19, '91	0·74	Rain in middle of the week; since then weather hot again. *Bhadoi* being cut. Prospects of paddy greatly improved by the rain. Fodder and water for cattle plentiful.
		Sewan	...	5·36	
		Gopalgunge	...	2·40	
	33	Chumparun	„ 19, '91	3·31	Weather—hot and cloudy. Rain during the week has done good, and *bhadoi* is now safe, but more rain is wanted everywhere for *aghani*. *Bhadoi* good, and *aghani* promises well if rain falls. Supply of fodder and water for cattle plentiful.
		Bettiah	...	1·36	
BHAGULPORE DIVN.	34	Monghyr	„ 19, '91	0·75	Weather—hot. *Bhadoi* harvest still going on. *Makai* and *marua* coming into market. Rain urgently needed for rice crop, which in most parts is suffering; about 2 annas not yet transplanted, and this may be regarded as lost. Cattle in good condition. Supply of fodder and drinking-water sufficient.
		Jamui	.	0·60	
	35	Bhagulpur	„ 19, '91	1·27	Weather—generally hot, but there was good rain in places on the 17th. Prospects of winter rice on the south of the Ganges are fair. On the north of the Ganges more rain is urgently wanted, but reports are awaited as to how far the recent rain extended in that direction.
	36	Purneah	„ 19, '91	6·12	Weather—again close and little appearance of further rain. Recent rain has been of great use as it allows preparation for *rabi* to proceed where the *aghani* has been a failure. It has also saved much of the *aghani* for the present, but in parts of the head-quarters subdivision this crop is so overrun with weeds that it will come to nothing. No cattle-disease. Fodder abundant.
		Kishengunge	...	1·67	
		Arrareah	...	2 30	
	37	Maldah	„ 19, '91	2·64	Weather—hot and fine. Rain general. Harvesting of *bhadoi* over except in one or two places. Recent rain has done much good to standing crops. Transplantation of winter rice and sowing of *kalai* going on vigorously. No disease amongst cattle. Fodder and water-supply sufficient. Common rice selling at from 13 to 16 seers per rupee.
		Chanchal	...	1·98	
		Shibgunge	...	2 02	
		Gajole	...	5·07	
	38	Sonthal Perghs.	„ 19, '91	0·51	Weather—generally cloudy and hot. Prospects continue fair. About 3½ inches of rain fell at Godda and 2½ inches at Rajmehal, and this rain has done much good to paddy on the high land. *Janera* being harvested; an outturn of about 16 annas anticipated. Cattle in good condition, and water and fodder-supply sufficient.
ORISSA.					
ORISSA DIVN.	39	Cuttack	„ 19, '91	2·92	Weather—seasonable. *Beali* harvest in progress; outturn promises to be good. Transplantation of *sarad* not yet completed. General prospects good, though low-lying tracts are flooded.
	40	Pooree	„ 17, '91	3 04	Weather—seasonable. Transplanting and weeding of winter rice (*sarad*) going on. Early rice is being harvested with an average outturn of about 10 annas. Miscellaneous crops are doing well. Prices of common rice stationary. Cattle-disease reported from Dandimal and Khoorda.
		Pipli	...	4·50	
		Gope	...	3·10	
		Khoorda	...	7·50	
		Banpore	...	1·55	
	41	Balasore	„ 19, '91	3·08	Weather—stormy. Except in the low lands of Bhadrak subdivision, crops are generally doing well.
CHOTA NAGPORE					
South-West Frontier Agency.					
CHOTA NAGPORE DIVN.	42	Hazaribagh	Sept. 19, '91	7·33	Heavy rain all over district except south-west. Good prospects of bumper *bhadoi* and rice crops.
		Giridih	...	1·42	
	43	Lohardugga	„ 19, '91	4·32	Weather—seasonable. Plenty of rain. *Gora* rice is being harvested. Sowing of *oorid* finished, and that of *sergooja* (oil-seed) commenced. Prospect of winter rice favourable. Fodder and water plentiful.
		Palamow (up to 14th)		1·04	
	44	Singbhoom	Sept. 19, '91	1·71	Weather—seasonable. State of crops excellent. Common rice sold at 16 seers per rupee at last Chaibassa market, and 13 seers in the Kolhan. Special road works stopped, not being needed. No new cases of cattle-disease reported.
	45	Manbhoom	„ 19, '91	4·88	Weather—seasonable. State and prospects of crops continue satisfactory. Price of rice stationary. Fodder and water-supply sufficient.
		Govindpur	...	0·26	

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

CALCUTTA; REVENUE DEPT.,
The 22nd September, 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan .	11 13	12 0	14 10	no sale	35 0	...	12 0	12 12	12 6	16 2	15 15	16 5	...	...	...
2	Bankoora .	13 0	14 0	15 0	16 0	16 0	20 0	15 0	15 0	15 0	18 12	17 8	18 0		..	...
3	Beerbhoom ...	13 8	13 8	17 0	...	...	...	13 12	13 8	13 8	15 12	15 12	16 8	...	...	...
4	Midnapore ..	11 0	13 0	11 0	...	...	...	13 0	13 0	13 0	16 0	16 0	16 4	...	...	...
5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 8	13 0	...	...	...
6	Howrah ...	...	...	...	...	...	...	11 8	10 8	10 0	14 0	14 0	13 4	...	...	...
	Central Districts.															
	Calcutta	11 2	11 12	13 8	20 0	19 3	17 3	8 7	8 14	8 14	12 12	12 15	12 12	16 0	17 12	16 0
7	24-Pergunnahs	12 4	12 0	14 8	20 0	20 0	18 12	8 0	8 0	8 0	14 8	15 0	15 0	...	...	...
8	Nuddea ..	14 13½	13 14½	15 4	no sale	22 11	20 0	12 13	12 5	12 3	13 14½	13 14½	14 8	...	...	...
9	Khoolna ...	...	...	...	...	...	...	13 0	15 0	12 0	16 0	16 0	13 0	...	...	...
10	Jessore ...	12 0	12 0	13 4	...	...	...	12 8	12 8	11 0	16 0	16 0	14 4	...	...	...
11	Moorshedabad	13 4	13 4	16 0	...	..	...	11 8	11 8	10 0	15 0	15 0	15 0	...	...	...
12	Dinagepore ...	13 3	15 9	15 0	24 0	16 8	18 0	12 0	13 0	12 0	14 5	16 10	15 8	...	...	...
13	Rajshahye ...	14 4	16 8	17 4	26 4	26 4	24 0	12 0	12 0	12 0	14 4	15 0	14 4	...	...	...
14	Rungpore* .		10 10	13 5	...	...	...		10 10	9 6		13 0	13 5	...	...	...
15	Bogra ...	13 8	15 0	15 0	...	...	...	12 0	12 0	12 0	15 0	15 0	14 4	...	...	...
16	Pubna ..	15 0	16 0	18 0	...	.	.	7 8	7 8	7 2	17 10	18 0	16 2	...	...	...
17	Darjeeling ..	8 0	8 0	8 0	10 0	10 0	10 0	5 0	5 0	5 0	12 0	12 0	11 0	...	...	...
18	Julpigoree .	12 0	11 0	13 0	16 0	15 0	16 0	7 0	7 0	8 0	13 0	13 0	13 0	...	...	...
	Eastern Districts.															
19	Dacca ...	12 0	12 0	12 0	25 0	25 0	13 0	14 0	13 0	13 0	15 0	15 0	14 0	...	...	...
20	Furreedpore ...	16 0	16 0	15 0	22 0	16 0	20 0	13 0	14 0	10 0	16 0	16 0	14 0	...	...	...
21	Backergunge ...	...	...	...	...	...	...	12 13	12 5	11 8	16 0	15 3	12 8	...	...	...
22	Mymensingh ...	10 0	9 4	10 0	...	...	...	12 0	12 0	10 8	14 8	18 0	13 4	...	...	...

* Present return not received.

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11 seers 15 chittacks, and Raneegunge 10½ seers.
B Retail price of salt at Bishenpore 10 seers per rupee.
C Retail price of salt at Rampore Hât 11¼ seers per rupee.
D Retail price of salt at Contai 10 seers per rupee.
E In subdivisions retail prices of salt per rupee are :—Serampore 11½ seers and Jehanabad 11 seers 7 chittacks.
F In subdivisions retail prices of salt per rupee are :—Baraset 10 seers 10 chittacks, Bussirhat (Baduria) 10½ seers, Diamond Harbour (Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
G In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers.
H In subdivisions retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.

Head-quarters Station Bazars of the Districts of Bengal on the 15th September, 1891.

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	**BENGAL.**
									Western Districts.
...	...	...	12 0	12 0	20 0	100 0	100 0	100 0	Burdwan.
22 0	22 0	27 0	18 12	19 8	18 0	220 0	200 0	240 0	Bankoora.
...	...	...	13 0	13 0	13 8	160 0	160 0	160 0	Beerbhoom.
...	...	...	11 8	12 0	12 0	120 0	120 0	120 0	Midnapore.
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	Hooghly.
...	...	...	11 0	10 8	12 8	100 0	100 0	100 0	Howrah.
									Central Districts.
16 14	14 8	18 10	14 13	15 8	15 12	95 0	95 0	92 8	Calcutta.
..	...	...	17 0	17 0	17 0	100 0	100 0	100 0	24-Pergunnahs.
...	...	...	17 12½	17 12½	16 13	...	...	...	Nuddea.
...	..	...	...	...	...	160 0	160 0	160 0	Khoolna.
...	...	...	16 0	16 0	16 0	160 0	160 0	160 0	Jessore.
...	...	...	16 0	16 0	17 12	200 0	200 0	200 0	Moorshedabad.
...	...	..	14 8	15 8	16 0	160 0	160 0	160 0	Dinagepore.
...	...	...	18 0	19 8	18 10	240 0	240 0	240 0	Rajshahye.
...	...	...		10 10	10 10		100 0	100 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	Bogra.
...	...	...	16 8	17 0	17 4	200 0	200 0	200 0	Pubna.
20 0	20 0	18 0	...	...	8 0	120 0	120 0	120 0	Darjeeling.
...	...	...	10 0	10 0	11 0	200 0	200 0	200 0	Julpigoree.
									Eastern Districts.
...	...	...	16 0	16 0	12 0	160 0	140 0	120 0	Dacca.
...	...	...	13 0	15 0	10 0	...	...	120 0	Furreedpore.
...	...	...	Khesari, husked. 14 8	14 8	12 8	120 0	120 0	100 0	Backergunge.
...	...	...	10 0	10 0	no sale	...	...	..	Mymensingh.

Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	Rs. a. p.	Rs. a. p.	Rs. a. p.	**BENGAL.**
						Western Districts.
[A] 11 4	11 4	11 2	3 6 0	3 7 0	3 8 0	Burdwan.
[B] 10 10	10 0	10 4	3 12 0	3 14 0	3 15 0	Bankoora.
[C] 10 14	10 8	10 8	3 11 6	3 12 0	3 10 0	Beerbhoom.
[D] 10 12	10 11	10 8	3 11 0	3 11 0	3 13 0	Midnapore.
[E] 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.
10 8	10 8	10 8	3 8 0	3 8 0	3 8 6	Howrah.
						Central Districts.
11 0	11 0	10 8	3 5 9	3 5 7	3 8 11	Calcutta.
[F] 10 12	10 12	10 12	3 5 6	3 6 0	3 5 6	24-Pergunnahs.
[G] 9 13	9 13	9 13	3 10 0	3 10 0	3 12 0	Nuddea.
[H] 9 0	9 0	8 0	4 0 0	4 0 0	4 0 0	Khoolna.
[I] 9 2	9 4	8 0	3 12 0	3 14 0	4 4 0	Jessore.
[J] 11 8	11 8	11 4	3 7 9	3 7 0	3 8 0	Moorshedabad.
[K] 10 8	10 4	10 0	3 13 0	3 11 0	4 0 0	Dinagepore.
[L] 9 9	9 9	9 9	3 13 4	3 13 4	4 0 0	Rajshahye.
	9 6	9 6		4 4 0	4 4 0	Rungpore.
9 12	9 12	9 6	4 0 0	3 13 4	4 1 4	Bogra.
[M] 8 15	8 15	t. 8 11 2	3 13 6	3 13 0	3 15 0	Pubna.
[N] 8 0	8 0	7 0	5 0 0	5 0 0	5 8 0	Darjeeling.
[O] 10 0	10 0	9 0	4 0 0	4 0 0	4 4 0	Julpigoree.
						Eastern Districts.
[P] 8 0	10 0	9 8	3 12 0	3 13 0	4 2 0	Dacca.
[Q] 10 0	10 0	10 0	4 0 0	3 14 0	3 14 0	Furreedpore.
[R] 10 0	10 0	11 0	3 12 0	3 12 0	3 10 0	Backergunge.
[S] 10 0	10 0	9 8	3 11 0	3 15 0	4 2 0	Mymensingh.

I In subdivisions retail prices of salt per rupee are:—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.
J In subdivisions retail prices of salt per rupee are:—Lalbagh 10 seers, Kandi 10 seers 10 chittacks, and Jungipore 10 seers.
K Retail price of salt at Thakurgaon 8 seers per rupee.
L In subdivisions retail prices of salt per rupee are:—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
M Retail price of salt at Serajgunge 10½ seers per rupee.
N Retail price of salt at Kurseong and Silliguri 8 seers per rupee.
O The retail price of salt at Fallacotta in Alipore subdivision 8½ seers per rupee.
P In subdivisions retail prices of salt per rupee are:—Manickgunge 9 seers, Munshigunge 9 seers, and Naraingunge 10 seers.
Q Retail price of salt at Goalundo and Madaripore 10 seers per rupee.
R In subdivisions retail prices of salt per rupee are:—Bhola 8 seers, Perozepore 9 seers, and Patuakhali 9 seers.
S In subdivisions retail prices of salt per rupee are:—Kishoregunge 8 seers, Tangail 10 seers, Netrokona 8 seers, Jamalpore 9½ seers and Sherpore 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (*Sorghum Vulgare*). Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
***Eastern Districts*—concluded.**		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	12 0	12 0	11 0	...	...	...	12 0	12 0	11 0	16 12	16 12	15 0	...	...	...
24	Noakholly ...	...	...	...	..	...	...	14 0	15 0	11 0	15 0	16 0	12 0	...	...	...
25	Tipperah ...	10 0	10 0	11 7	.	.	.	10 0	10 0	8 14	17 8	17 8	12 10½	.	..	...
26	Chittagong Hill Tracts.	...	...	...	...	...	...	12 0	11 5	11 2¾	13 5	12 9	12 4	...	...	...
	BEHAR.															
27	Patna ...	16 8 / 15 0	Red. 17 0 / White. 15 0	16 12 / 15 12	24 0	23 0	20 0	11 8	11 8	10 0	18 0	17 8	15 4	...	...	19 0
28	Gya ...	14 0	14 0	15 0	24 0	24 0	18 8	10 8	10 8	11 0	14 8	14 12	14 0	...	...	...
29	Shahabad ...	15 8	13 8	15 0	20 0	20 0	20 0	9 0	9 0	8 0	14 8	14 0	14 12	..	...	20 0
30	Durbhunga ...		15 6	14 8		24 3	13 0		12 1	12 0		14 4	16 8	...	...	..
31	Mozufferpore ...	14 0	14 0	17 0	24 0	24 0	20 0	13 0	13 0	9 0	14 0	14 0	15 0	...	...	...
32	Sarun ...	15 2	14 0	16 0	23 8	22 8	17 12	8 8	8 8	8 8	14 8	13 8	13 2	...	...	...
33	Chumparun ...	15 5	15 5	17 0	27 0	24 8	19 0	10 0	8 8	10 0	15 8	14 8	15 8	.	...	...
34	Monghyr ...	14 0	15 0	16 8	22 0	23 0	21 0	10 12	11 0	11 4	14 0	14 8	13 14	...	...	..
35	Bhagulpore ...	15 2	15 2	17 11	25 4	24 0	21 7	12 10	12 10	Old 10 1 / New. 12 10	15 12	14 8	Old. 13 14 / New. 15 2	..	...	...
36	Purneah ...	18 0	18 0	18 0	16 0	16 0	.	13 0	13 0	14 0	15 0	16 0	18 0	..	...	...
37	Maldah ...	14 8	15 0	18 0	...	...	..	10 0	10 0	11 0	14 0	15 8	18 0	...	...	...
38	Sonthal Perghs.	11 0	11 0	13 0	...	...	...	13 0	13 0	13 0	15 0	15 0	16 0	...	...	...
	ORISSA.															
39	Cuttack ...	11 13	11 13	14 7	...	...	...	10 8	10 8	10 8	15 12	15 12	18 6	...	..	...
40	Pooree ...	11 13	11 13	11 13	...	...	...	13 2	14 7	13 6	18 6	17 1	21 0	.	...	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	12 0	21 0	21 0	17 0	..	...	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh ...	13 0	13 0	14 0	16 0	17 0	14 0	8 0	8 0	8 0	13 12	14 0	16 0	...	...	...
43	Lohardugga ...	12 0 / 7 8	Red. 12 0 / White. 7 8	14 0 / 8 0	16 0	16 0	...	12 0	12 0	...	Ordinary. 13 8 / Coarse. 14 8	13 0 / 14 8	15 4 / 18 0	...	...	...
44	Singhhoom ...	16 0	16 0	16 0	14 0	11 0	20 0	11 0	10 0	12 0	14 0	13 0	15 0	..	.	...
45	Manbhoom	11 14	12 4	13 5	no sal.	18 0	13 0	12 8	12 0	13 0	20 0	15 8	21 0	...	...	...

* Present return not received.

T At Cox's Bazar retail price of salt 8 seers per rupee.
U Retail price of salt at Fenni 9 seers per rupee.
V Retail price of salt at Chandpore 9 seers per rupee.
W In subdivisions retail prices of salt per rupee are :—Barh 11½ seers and Behar 9¾ seers.
X In subdivisions retail prices of salt per rupee are :—Buxar 10 seers, Sasseram 10¼ seers, and Bhabuah 9¾ seers.
Y In subdivisions retail prices of salt per rupee are :—Hajipore 10¼ seers and Sitamarhi 10 seers.
Z In subdivisions retail prices of salt per rupee are :—Sewan 11 seers and Gopalgunge 11 seers 6 chittacks.
a At Bettiah retail price of salt 10 seers per rupee.

CALCUTTA,

The 22nd September, 1891.

Station Bazars of the Districts of Bengal on the 15*th September*, 1891—(concluded).

INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR, CAJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts*—concluded.
...	...	...	...	...	...	110 0	110 0	110 0	T 10 0	11 0	10 0	3 8 0	3 8 0	3 14 0	Chittagong.
...	...	..	8 0	8 0	8 0	...	...	...	U 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakhally.
...	...	...	6 4	6 4	6 10¾	...	...	...	V 10 0	10 0	9 6½	...	...	4 3 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
															BEHAR.
24 0	23 0	19 0	20 0	20 0	19 8	120 0	120 0	110 0	W 11 8	11 8	10 0	3 8 6	3 8 6	3 9 6	Patna.
...	...	...	17 0	17 0	19 0	160 0	160 0	180 0	10 0	9 12	9 2	3 14 0	4 0 0	4 1 0	Gya.
20 0	20 0	...	16 0	16 0	20 0	120 0	120 0	120 0	X 10 8	11 0	10 0	3 12 0	3 10 0	3 15 0	Shahabad.
	22 0	22 0		17 9	19 12		160 0	200 0		11 0	11 0		3 6 0	3 8 0	Durbhunga.
20 0	19 0	22 0	17 0	16 0	19 0	160 0	160 0	160 0	Y 11 0	11 0	10 0	3 11 0	3 10 6	3 12 0	Mozufferpore.
22 4	20 8	18 0	17 4	17 4	18 4	160 0	160 0	160 0	Z 10 8	10 8	10 8	3 12 0	3 12 0	3 12 0	Sarun.
21 8	18 8	20 0	15 8	16 4	18 0	160 0	160 0	160 0	a 10 0	10 4	10 0	3 15 0	3 15 0	3 11 0	Chumparun.
25 0	...	21 0	16 0	18 0	16 12	125 0	120 0	147 0	b 10 0	10 8	10 3	3 14 0	3 10 6	3 10 9	Monghyr.
23 10	25 4	22 6	16 6	17 0	18 15	151 8	138 14	138 14	10 11	10 11	10 1	3 12 10	3 10 0	3 14 6	Bhagulpore.
...	...	...	15 0	15 0	15 0	80 0	80 0	130 0	c 10 0	9 0	9 8	3 10 3	3 10 3	4 7 0	Purneah.
...	...	...	...	...	...	120 0	160 0	120 0	9 8	9 8	9 0	3 14 0	4 0 0	4 0 0	Maldah.
24 0	18 0	20 0	17 0	17 0	21 0	200 0	200 0	200 0	d 9 0	9 0	9 0	4 0 0	4 0 0	3 14 0	Sonthal Perghs.
															ORISSA.
...	...	...	15 12	17 11	19 11	80 0	80 0	80 0	e 11 0	11 0	10 0	3 12 0	3 12 0	4 0 0	Cuttack.
...	...	...	15 12	15 12	13 2	80 0	80 0	80 0	11 13	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.
...	...	...	...	...	...	160 0	160	160 0	g 10 0	10 0	10 0	3 14 0	3 14 0	3 11 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
18 0	18 0	20 0	14 8	15 0	21 0	210 0	240 0	240 0	h 9 0	9 0	8 0	4 0 0	4 0 0	4 8 0	Hazaribagh.
Old 18 8	...	...	Big. 12 0 / Small. 18 8	Big. 12 8 / Small. 18 0	Big. 16 0 / Small. 26 0	150 0	50	120 0	i 9 0	9 0	9 12	4 4 0	4 6 0	4 1 0	Lohardugga.
16 0	16 0	20 0	18 0	16 0	21 0	240 0	240	240 0	9 0	8 0	9 0	4 6 0	4 8 0	4 4 0	Singbhoom.
—	...	...	no sale	18 0	17 0	200 0	200 0	200 0	j 9 13½	10 0	9 14	3 12 0	3 12 0	3 12 0	Manbhoom.

b In subdivisions retail prices of salt per rupee are: Begusarai 9½ seers and Jamui 10 seers.
c In subdivisions retail prices of salt per rupee are: Kissengunge 8 seers and Arrariah (Basantpur) 10 seers.
d In subdivisions retail prices of salt per rupee are:—Deoghur 10 seers, Rajmehal 11 seers, and Pakour 10½ seers.
e Retail price of salt at Kendrapara 9 seers per rupee.
f At Khoor a retail price of salt 10 seers per rupee.
g Retail price of salt at Bhuddruck 9 seers per rupee.
h Retail price of salt at Giridhi 10 seers per rupee.
Retail price of salt at Gurwa in Palamow subdivision 8½ seers per rupee.
Retail price of salt at Govindpore 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT. Present return.	WHEAT. Next preceding return.	WHEAT. Corresponding return of last year.	BARLEY. Present return.	BARLEY. Next preceding return.	BARLEY. Corresponding return of last year.	RICE, BEST SORT. Present return.	RICE, BEST SORT. Next preceding return.	RICE, BEST SORT. Corresponding return of last year.	RICE, COMMON. Present return.	RICE, COMMON. Next preceding return.	RICE, COMMON. Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 5 4	3 3 5	2 11 0	1 11 10	1 13 6	2 1 3	4 5 1	4 3 11	4 3 7	2 14 3	2 13 4	2 13 9
2	Serajgunge ...	2 7 0	2 3 0	2 1 0	...	...	...	3 12 0	4 0 0	4 12 0	2 12 0	2 12 0	3 0 0
3	Dacca ...	3 2 0	3 4 0	3 4 0	1 8 0	1 8 0	3 0 0	2 12 0	3 0 0	3 0 0	2 8 0	2 8 0	2 13 0
4	Naraingunge	...	...	...	...	...	...	2 8 0	2 8 0	3 2 0	2 6 0	2 6 0	3 0 0
5	Chittagong ...	3 0 0	3 0 0	3 8 0	...	...	...	3 4 0	3 4 0	3 6 0	2 6 6	2 6 3	2 10 0
6	Patna ...	2 7 0 2 10 6	Red. 2 5 6 White. 2 10 6	2 5 0 2 8 0	1 10 0	1 11 6	1 15 0	3 8 0	3 8 0	3 14 0	2 3 6	2 4 6	2 9 6
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	1 14 0	1 14 0	2 5 0
8	Pooree ...	...	...	...	...	...	.	...	...	...	2 0 6	2 4 0	1 14 3
9	Cuttack ...	3 4 0	3 4 0	2 10 0	...	...	...	3 10 0	3 10 0	3 10 0	2 5 0	2 5 0	2 2 0

CALCUTTA,
The 22nd September, 1891

n the undermentioned Marts of Bengal on the 15*th September*, 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 4 6	2 2 10	2 0 7	2 2 0	2 8 0	1 14 8	2 7 4	2 5 1	2 4 6	0 5 9	0 5 9	0 5 9	3 5 9	3 5 7	3 8 11	Calcutta.
2 6 0	2 2 0	2 4 0	...	...	...	...	...	...	0 6 6	0 6 9	0 6 0	3 13 0	3 13 0	3 11 0	Serajgunge.
2 7 0	2 7 0	3 0 0	...	...	...	2 6 0	2 5 0	3 4 0	0 4 0	0 4 0	0 5 0	3 12 0	3 13 0	4 2 0	Dacca.
3 13 0	3 12 0	3 8 0	...	...	...	3 12 0	3 12 0	3 8 0	0 8 0	0 8 0	0 8 0	3 13 0	3 13 0	3 12 0	Naraingunge.
3 0 0	2 14 0	2 14 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 14 0	Chittagong.
1 11 6	1 12 6	2 0 0	1 10 0	1 11 6	2 1 0	2 0 0	2 0 0	2 0 0	0 5 4	0 5 4	0 6 0	3 8 6	3 8 6	3 9 6	Patna.
2 12 0	2 12 0	2 12 0	...	...	.	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore.
...	...	...	...	...	.	...	...	...	...	...	...	3 6 0	3 6 0	3 12 0	Pooree.
3 0 0 (kalai).	2 10 0	2 10 0	...	...	...	8 0	2 2 0	2 0 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	4 0 0	Cuttack.

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C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal,

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·698	29·647	—	SWly	216	89·7	17th Sept.	77·6	17th Sept.	88·2	80·7	84·5	—	83·3
		Gopalpore	29·701	29·662	+·004	Wly	285	89 8	16th ,,	75·8	18th ,,	87·8	77·0	82·9	−1·1	82·6
		False Point	29·715	29·678	+·015	WSW	204	89 5	17th ,,	74·1	17th ,,	87·6	78·1	82·9	0	83·8
	Cuttack	Cuttack	29·646	29·668	+·014	Variable	53	92 4	17th ,,	74·8	13th ,,	89 3	77·5	83 4	−0·4	83·0
	Balasore	Balasore	29 672	29·673	+·014	SWly	115	91·4	16 & 17 ,,	75·7	17th ,,	88·4	78·3	83 4	+0·9	82·9
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·719	29·688	+·020	Variable	320	90·2	16th ,,	79·0	17 & 18 ,,	88·6	79 9	84·2	+0·3	82 8
	Midnapore	Midnapore	29 596	29·691	+·016	Ely	213	93·3	16th ,,	76 1	17th ,,	90·0	78·5	84·3	+0·8	82·9
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·728	29 695	+·021	SEly	106	91 1	16th ,,	77·2	14th ,,	88·4	78 8	83 6	+0·6	82·1
	Burdwan	Burdwan	29 663	29·709	+·023	SE	86	92·1	16th ,,	78 4	19th ,,	90·0	79·0	84·5	0	82·1
	Bankoora	Bankoora	29·430	29·679	+·015	Ely	100	92 1	16th ,,	77·5	13, 18 & 19 ,,	88·8	78·1	83·5	+0·7	81 2
	Beerbhoom, West Burdwan	Raneegunge	29·419	29·714	+·030	Ely	71	91·5	16th ,,	74·9	13th ,,	89·4	77·7	83·6	+0·1	81·5
	Moorshedabad	Berhampore	29·692	29 708	+·019	ESE	88	92·2	16th ,,	77·8	17th ,,	89 8	79 1	84·5	+0·5	81·7
	Nuddea	Krishnaghur	29 707	29 702	+·028	SEly	143	92·3	15th ,,	77·7	19th ,,	90·6	78·9	84·8	+1·4	82·6
	Jessore, Khoolna	Jessore	29·731	29 711	+·012	SSE	104	90·2	15 & 16 ,,	78·4	14 & 19 ,,	89·0	79 0	84·0	−0·2	83·0
East Bengal.	Chittagong	Chittagong	29·707	29 741	+·006	SE	79*	89·7	19th ,,	74·1	14th ,,	87 1	75·7	81 4	−0·4	81·8
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·756	29·713	+·019	Calm & SE	84	89·3	16th Sept.	77·8	17th ,,	87·7	78·7	83·2	+1·0	82·8
	Noakhally	Noakholly	29·752	29·742	+·033	SE	153	88·0	19th ,,	75·8	13th ,,	86·4	77·7	82 0	+0·1	81·4
	Furreedpore	Furreedpore	29·751	29·738	+·042	SEly		88·5	3, 15 & 19 ,,	77·9	13, 17 & 19 ,,	87·4	79·0	83·2	+0·3	82 9
	Dacca	Dacca	29 759	29·723	+·027	SEly	153*	90·6	19th ,,	78·2	16 to 19 ,,	89·0	78 6	83·8	−0·3	82·1
	Commillah	Commillah	29·765	29·748	+·036	SEly	91	91·3	19th ,,	75·8	13th ,,	88·3	76 7	82·5	−0 2	80·1
	Mymensingh	Mymensingh	29·729	29 737	+·025	SSE	98	89 2	14th ,,	76·1	15th ,,	86 6	77·5	82 1	−0·6	79·7
North Bengal.	Bogra	Bogra	29·696	29 716	+·042	ESE	73	91·3	15th ,,	73 7	17th ,,	88·4	77·8	83 2	+0·3	82 0
	Pubna	Serajgunge	29·727	29·723	+·027	SEly	60	89 6	15th ,,	76 7	17th ,,	87·5	78 1	82 9	−0·5	81·3
	Rajshahye	Rampore Beauleah.	29·663	29·712	+·035	SEly	112	88·8	18 & 19 ,,	76 6	17th ,,	87·3	79·0	83 2	+0·3	82·6
	Maldah	Maldah	29·682	29·714	—	E	77	94·9	14th ,,	75·9	17th ,,	91·9	78·8	85·0	—	83·8
	Dinagepore	Dinagepore	29·650	29·721	+·013	E & ESE	38	91 1	18th ,,	75·2	17th ,,	89·0	78·2	83·6	−0·4	81·8
	Rungpore	Rungpore	29·667	29·743	+·022	E	67	91 8	18th ,,	73·2	17th ,,	88·8	77·3	83·1	−0·1	81·1
	Julpigoree, Cooch Behar	Julpigoree	29·489	29·727	+·016	E	74	90 4	18 & 19 ,,	74 6	16th ,,	87 1	76·2	81 7	−0·2	79·9
	Darjeeling Hill Tracts	Darjeeling	23 007	–	+·005	Calm	81	66·1	14th ,,	56 1	14 & 18 ,,	63 9	56·7	60 3	−0·2	59·6
North Behar.	Purneah, North Bhagulpore	Purneah	29·644	29·722	+·033	ESE	34	92·2	13 & 14 ,,	73·7	17th ,,	89 7	76·1	82 9	−0·6	81·7
	Mozufferpore	Mozufferpore	29·555	29·685	–	ESE & ENE	155	92·3	13th ,,	77·2	17th ,,	90 4	79 5	85·0	—	82·0
	Durbhunga	Durbhunga	29·594	29 714	+·022	ESE & ENE	117	92·4	15, 16, 18 & 19 ,,	78·0	17 & 18 ,,	91·0	79·1	85 1	+0·9	82·5
	Chumparun	Motihari	29·518	29·690	+·023	ENE	103	94·2	16th ,,	75·9	17th ,,	92 1	78·3	85·2	+1·5	82·7
	Sarun	Chupra	29·553	29·686	+·030	E	123	93·8	13th ,,	76 1	17th ,,	91·7	78·4	85·1	+1·2	83·1
South Behar.	Shahabad	Dehree	29·352†	29·656	−·021†	Ely	57	93·3	15th ,,	77·0	18th ,,	89·0	78·4	84·2	+1·3	82·4
		Buxar	29·491	29·684	+·009	E	182	91·9	13 to 15 ,,	75·8	17th ,,	89·9	78·2	84·0	+0·7	83·1
		Arrah	29·531	29·673	+·013	ESE	24	97·4	14th ,,	75·6	17th ,,	91·9	79·0	85·4	+1·3	83·4
	Gya	Gya	29·331	29 658	−·016	E	120	93·9	14 & 15 ,,	76 5	17th ,,	91 3	78·6	85 0	−0·4	81·9
	Patna	Bankipore	29·554	29 688	+·005	E	155	93·9	13th ,,	78 2	17th ,,	91·2	80·1	85·7	+0·2	83·4
	South Bhagulpore, Monghyr	Bhagulpore	29·590	29·703	+·032	SEly	58	91·2	14 & 19 ,,	77·0†	16th ,,	89·6	78·8†	84·7†	+1·2	82·8
	Sonthal Pergunnahs	Doomka	29·256	29·701	+·017	E & SE	98	91·3	16th ,,	75·0	17th ,,	88·3	77·3	82·8	+0·4	81·4
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·735	29·684	+·003	SEly	224	87 2	16th ,,	71·8	17 to 19 ,,	83·7	72·6	78·2	−0·4	75·5
	Lohardugga, Manbhoom	Ranchee	27·606	29·671	−·002	SEly	177	85·0	16th ,,	70·4	17th ,,	82·4	71·8	77·2	−0·3	74·5
	Singbhoom	Chyebassa	28·957	29·605	+·009	Ely	46	91·4	15 & 16 ,,	75·7	18th ,,	89·1	76·7	82·9	+0·3	79·4
Assam.	Sibsagar	Sibsagar	29 468	29·757	+·008	Variable		91·6	19th ,,	75·0	18th ,,	87·0	76·0	81·5	−1·5	78·8
	Goalpara	Dhubri	29·677	29·746	+·011	Variable	125	90·2	13th ,,	76·8	17th ,,	87·4	77·7	82·6	+0·5	79·8
	Cachar	Silchar	29·696	29·751	+·015	Calm		95·6	18th ,,	75·3	18 & 19 ,,	91·7	76·3	84·0	+0·7	80·8

* Mean of 6 days. | † Mean of 5 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 19th of September 1891.

Humidity: Average at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District observations, Rainfall, Of week: Mean for district.	Of week: Normal mean.	Since 1st of month: Mean for district.	Since 1st of month: Normal mean.	Since 1st of month: Variation.	Since 16th May 1891: Mean for district.	Since 16th May 1891: Normal mean.	Since 16th May 1891: Variation.	Of week: Average number of rainy days.	Of week: Normal number of rainy days.	Representative station.	District.	Meteorological Division.
86	5·9	2 09		2 48		7 86			41·93			3 45	Pooree ..	Pooree ...	Orissa.
83	2·4	2·14											Gopalpore ...		
85	6 9	2·41											False Point ...		
79	7·0	2·20		2·74		7 35			42·37			3·10	Cuttack ..	Cuttack ...	
86	4 3	2·46		2·80		8·02			43 32			3 13	Balasore ...	Balasore ...	
80	8·3	0·91	0 92	2·34	9 13	8·03	+0·50	52·55	50 36	+2 10	4·33	2 77	Saugor Island ...	South-West Midnapore South 24 Pergunnahs	South-West Bengal.
88	3 3	3 14	2·09	1·84	6·06	6 05	+0 01	44·08	44 08	0	3 33	2 34	Midnapore .	Midnapore ...	
90	7·7	1·43	1·46	1·90	5·05	6·61	—1 56	37·08	44 27	—7·19	3·20	2·57	Calcutta .	24-Pergunnahs ... Howrah .. Hooghly ...	
80	8·0	0·19	0 80	1·57	2·24	5 75	—3 51	40·80	39 67	+1 13	1·00	2 32	Burdwan ...	Burdwan ...	
91	7·4	1·01	1·09	1·84	3 43	6 20	—2 77	44·03	45·88	—1·85	2 50	2 73	Bankoora ...	Bankoora ...	
89	4·0	1 23	0·62	1·54	2 96	6 98	—4 02	39 61	45 16	—5 55	2 00	2·35	Raneegunge ...	Beerbhoom .. West Burdwan ..	
92	8 1	1 46	2 21	1 07	4·11	7 53	—3 42	34·86	42·50	—7·64	3 00	2 60	Berhampore ...	Moorshedabad ...	
88	8 0	0 69	0·47	1·62	2 38	6·16	—3 78	35·13	41 37	—6 24	1 20	2 09	Krishnagur ...	Nuddea ...	
91	8 4	1·78	1·09	1·60	2 78	6 48	—3 70	30·75	44 84	—8 09	2 38	2 28	Jessore ..	Jessore ... Khoolna ...	
85	8 4	1 36	1 54	2·27	2 95	10·03	—7 05	78·20	98 64	—20 44	2 00	2 98	Chittagong ...	Chittagong ...	East Bengal.
			1 22	2 70	3 59	9 33	—5 74	60 93	69·99	—9 06	3 00	3 90	Domagiri ..	Chittagong Hill Tracts	
86	7 0	2·00	1·86	2·54	4·48	8 59	—4·11	49 81	64 84	—15·03	5·00	3 22	Barrisal ...	Backergunge ..	
89	2·6	2 62	1·59	3·75	3·30	12 69	—9 39	60 46	92 54	—32·08	3·00	3·44	Noakhally ...	Noakhally ...	
88	5·7	1·02	1 29	1 59	3·11	6 46	—3·35	34·36	46 73	—12·37	1 67	2 15	Furreedpore ...	Furreedpore ...	
88	7·7	1·14	1 16	2 18	2 74	7·89	—5·15	45 53	51 95	—6·42	2 50	2·57	Dacca ...	Dacca ..	
90	5·4	1·16	1 59	2 33	2 90	8 24	—5 34	49 20	58 42	—9 22	3 93	3 15	Commillah .	Commillah ...	
92	7·6	2 47		2 39		8 68			58 10			2 87	Mymensingh .	Mymensingh ...	
89	4 7	1 52	2·51	1 72	3 27	6 67	—3·40	34·88	47 96	—13·08	2 75	2·60	Bogra ...	Bogra ...	North Bengal.
93	7·1	1 96	1 23	1 85	1·91	7·53	—5 62	31·80	44 61	—12 81	2 00	2 48	Serajgunge ...	Pubna ...	
89	4 6	0 61	2 20	2 44	3 16	8 24	—5·08	39 06	45 64	—6 58	3 33	2 32	Rampore Beauleah	Rajshahye ...	
86	2 7	2 64	2·31	1 66	3 02	8 28	—5 26	29·17	46 70	—17·53	2·50	2 16	Maldah .	Maldah ..	
90	6 4	0 95	2 52	1 95	3 36	8 69	—5 33	39·51	50 11	—10 60	2·20	2 47	Dinagepore ..	Dinagepore ...	
90	2 6	2 28	1 50	2 21	2 44	9 25	—6 81	48 70	63 16	—14·46	2 75	2 51	Rungpore ..	Rungpore ...	
93	2 7	4·92	4 33	4·84	5 60	14 93	—9 33	64·99	97 74	—32 75	4·20	3 47	Julpigoree ..	Julpigoree .. Cooch Behar ...	
96	8 7	3 40	5 00	4 02	9 38	13 56	—4 18	74 34	110 49	—36 15	5 25	3·69	Darjeeling	Darjeeling Hill Tracts	
87	6 7	6 12	2 10	1 73	2·46	9·01	6 55	32 60	50 78	—18 18	2 00	2 39	Purneah ...	Purneah .. North Bhagulpore ...	North Behar.
89	5 3	0·22	0 54	1·39	1 38	5·37	- 3 99	33·15	35·02	—2 57	1 33	1 65	Mozufferpore .	Mozufferpore ...	
87	4 6	0 11	0·18	1·27	0·94	6·25	5 31	35 35	38 09	—2·84	1 00	1 63	Durbhunga ..	Durbhunga ...	
84	5 7	3 34	2·35	1·47	2·95	5 23	—2·28	35·22	38 71	—3 49	1 50	1 56	Motihari	Chumparun ...	
89	5·6	0 74	2 67	1·37	3·36	5 06	—1·70	28 61	35 19	—6 58	2 00	2 01	Chupra ..	Sarun ...	
84*	5·7	1 82											Dehree ..	Shahabad ...	South Behar.
84	6 6	2·10	2·48	1·39	4·54	5 38	— 0 84	23 86	34 49	—10 63	2 40	2 20	Buxar ...		
88	2 6*	2 60											Arrah ...		
86	5·1	0 81	0·81	1·17	2·38	4 98	—2·61	28·17	36 01	—7·84	1·25	1 73	Gya ...	Gya ...	
85	8·4	2·53	3·04	1·12	4·09	4 73	—0·64	34·83	35 03	—0·20	2 00	1 75	Bankipore ...	Patna ...	
85	5·6	1·27	1·24	1 06	3·00	5·66	—2 66	35 50	36·85	—1·35	1·40	1 79	Bhagulpore ...	South Bhagulpore ... Monghyr ...	
87	4·6	0 51	1·38	2·10	3·82	7·68	—3·86	38 17	43 95	—5·78	2 00	2 57	Doomka ...	Sonthal Pergunnahs	
90	10·0	4·64		1·96		6 87			44 13			2 98	Hazaribagh ...	Hazaribagh ...	Chutia Nagpur.
90	9 6	4·32	3·00	1 36 1 00	4·84	6·50 5 97	—1·13	39·56	42 71 40 98	—1 42	4·00	2 52 2·50	Ranchi ...	Lohardugga ... Manbhoom ...	
90	7·4	1·95	1·71	1·29	6 84	6 17	+0·67	40·93	45 14	—4 21	4·60	2 45	Chyebassa ...	Singbhoom ...	
93	8·6	3 35											Sibsagar	Assam ...	Assam.
90	7·8	0·96											Dhubri		
91	9·9	0·81											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 19th of September 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 13th Sept.	Monday, 14th Sept.	Tuesday, 15th Sept.	Wednesday, 16th Sept.	Thursday, 17th Sept.	Friday, 18th Sept.	Saturday, 19th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	1·05	1·80	......	2	2·85	2·26	10·87	7·46	33·05	36·56
		Khurdah ...	0·63	0·21	......	......	0·13	0·63				2·57		8·33		45·10
		Banpur ...	0·20	0·15	......	......	0·32					2·64		7·25		48·84
		False Point ...	0·50	0·09	0·04	......	0·10	1·52	0·16	4	2·41	2·43	12·80	8·37	49·28	47·58
		Gop ...										?		?		?
		Satpara ...										?		?		?
		Pipli										?		?		?
	Cuttack	Jagatsingpore	......	......	......	......	......	0·54				2·53		6·34		36·22
		Banki ..	0·06	......	......	0·21	0·13	0·30				2·55	25·09	7·71	62·42	41·91
		Cuttack ...	0·27	0·46	0·33	... ..	0·30	1·41	0·15	6	2·93	2·72		8·24		41·10
		Kendrapara ...	0·28	0·22	......	0·02	0·07	0·38	0·04	3	1·00	2·92	13·44	6·92	45·10	43·52
		Jajpore ...	0·27	0·41	......	0·43	... ..	0·81	......	4	1·02	2·97	9·54	7·56	47·05	44·11
		Dharmsala ..	0·70	0·20	0·10	0·15	1·20	0·35				?		?		?
		Salipore	0·09	......	......	......	0·26					?		?		?
	Balasore	*Akhoyapada*...	0·18	0·53	......	......	......	1·30	......	3	2·01	?	10·22	?	45·55	?
		Chandbali ...	0·06	1·75	......	......	......	0·90	... ..	2	2·71	3·26	13·24	7·70	41·18	41·17
		Bhuddruck ...	0·42	0·30	......	......	... ..	0·57	0·07	3	1·42	3·19	7·07	8·15	44·55	42·47
		Sorah ...	0·20	......	......	......	3·10	0·40	1·00			2·61		8·05		40·99
		Balasore ..	0·20	0·21	0·01	0·01	1·60	1·25	0·40	5	3·08	2·46	10·10	7·80	44·02	45·94
		Jellasore ..										2·23		8·06		43·69
		Baripodah ..	0·09	0·11	0·30	1·20	0·87	0·14	......	5	2·90	3·03	8·40	8·17	49·42	45·53
SOUTH-WEST BENGAL.	Midnapore	Contai ..	0·13	0·09	0·12	......	0·18	0·43	0·10	5	1·17	2·14	10·45	8·42	48·21	48·73
		Saugor Island	0·18	0·15	0·02	......	0·18	0·14	0·14	5	0·91	2·61	10·63	8·79	62·49	57·86
		Tumlook ..	0·42	0·06	......	0·44	0·20	0·10	0·08	4	1·28	1·80	6·10	6·77	40·90	43·86
		Midnapore ...	0·35	......	... ..	......	2·35	0·50	0·23	4	3·31	1·43	7·49	5·18	47·18	[illegible]
		Ghattal ...	0·62	0·02	......	......	1·36	0·20	0·05	2	1·05	2·22	4·56	6·22	50·14	[illegible]
		Kukrahaty ..	0·97	1·02	... ..	......	0·12	0·59	......	4	2·61	?		?		?
		Garbetta ...	0·23	......	0·26	......	0·50	0·45	......	4	1·44	?	3·97	?	48·11	?
	24-Pergunnahs	Diamond Harbour ...	0·02	0·13	......	......	0·45	0·16	0·02	3	0·78	2·27	6·01	8·70	51·62	49·47
		Canning Town	0·16	0·15	... ..	... ..	0·30	[illegible]	0·07	5	1·75	?	4·68	?	34·98	?
		Alipore Jail ...	0·08	0·11	0·07	0·05	0·15	0·67	0·15	4	1·28	1·62	6·26	7·44	37·52	47·18
		Barrackpore...	... ..	......	... .	0·05	1·40	0·95	0·04	2	2·55	2·01	9·10	6·02	41·10	[illegible]
		Dum-Dum ...	......	......	......	0·92	0·90	0·18	0·05	3	2·05	1·79	6·30	6·81	34·45	[illegible]
		Baraset ..	......	......	......	......	0·32	0·16	... ...	2	0·48	2·01	1·90	6·91	37·19	41·59
		Busserhat ...	......	......	0·40	......	......	......	0·49	2	0·89	1·64	2·90	6·63	36·06	46·06
	Howrah ...	Howrah	0·03	0·22	0·08	0·14	......	0·63	0·01	3	1·11	1·51	4·25	6·63	38·52	43·60
		Mohesreka ...	0·24	0·04	0·08	......	0·15	0·11	0·02	3	0·64	2·38	3·36	6·73	?	45·07
		Uluberiah ...	0·18	0·20	......	0·12	1·26	0·90	0·04	5	2·60	?	5·33	?	37·23	
	Hooghly ..	Serampore ..	0·03	0·13	......	......	1·72	0·93	0·14	4	2·97	1·04	7·29	6·24	39·57	48·18
		Hooghly ...	0·08	0·03	......	......	1·14	0·28	... ..	2	1·45	1·78	5·57	5·81	37·25	41·62
		Jehanabad ..	......	0·21	......	......	......	0·91	0·07	2	1·19	2·31	3·63	6·87	39·89	47·24
	Burdwan .	Culna .	0·60	......	0·08	......	1·68	0·04	......	1	1·89	1·65	4·16	5·20	41·76	37·74
		Burdwan ...	... ..	0·01	0·04	......	0·08	0·09	0·02	Nil	0·19	1·80	1·11	5·98	44·30	40·93
		Cutwa ...	......	0·02	... ..	0·07	0·14	0·10	... ..	2	0·33	1·45	1·46	6·09	36·36	40·35
		Raneegunge .	0·23	0·06	......	......	0·70	0·14	0·10	4	1·23	1·08	3·21	5·40	41·77	41·09
		Mankur ...	......	......	......	......	......	1·15	......	1	1·15	?	1·76	?	45·30	?
	Bankoora ...	Bankoora ...	0·07	......	0·11	0·04	0·19	0·60	......	3	1·01	1·41	3·64	5·80	41·25	44·22
		Bishenpore ...	... ..	......	......	......	0·52	0·49	0·13	3	1·14	2·39	3·72	6·51	49·09	45·93
		Maliara ...	0·10	......	......	......	0·26	0·23	0·02	3	0·61	1·88	1·84	5·03	47·02	44·90
		Khatra ...	......	......	......	......	0·60	......	......	1	1·60	1·66	4·52	7·40	38·75	48·46
		Indas ..	......	... ..	0·29	......	......	0·42	......	2	0·71	?	2·65	?	41·92	?
		Kotalpore ...	......	......	......	......	0·05	0·43	......	1	0·48	?	3·05	?	45·11	?
		Anda ..	0·21	......	......	......	0·12	0·90	... ..	3	1·23	?	7·81	?	38·35	?
		Gangajalghati	0·26	......	......	......	0·55	0·83	0·17	4	1·81	?	3·04	?	44·24	?
		Raipore ...	0·25	0·19	0·16	......	3·75	0·43	......	5	4·83	?	7·59	?	58·18	?
		Sonamukhi ..	......	......	......	......	......	......	......	Nil	Nil	?	2·30	?	47·55	?
	Beerbhoom	Bh. Soory ..	0·01	0·07	......	... ..	0·01	0·32	0·04	1	0·45	1·05	3·49	7·52	43·53	46·71
		Hetampore ...	0·25	... ..	......	0·07	0·07	0·03	... .	1	0·42	1·87	2·57	7·29	39·64	47·66
		Rampore Haut	0·06	0·14	... ..	......	......	0·17	0·07	2	0·44	1·55	2·85	7·01	33·54	43·50
		Bolpore ..	......	......	......	... .	1·30	0·35	......	2	1·65	?	3·49	?	43·80	?
		Murari ...	......	0·64	......	0·11	......	......	......	2	0·75	?	3·64	?	38·48	?
	Nuddea ..	Ranaghat ..	......	......	......	0·05	0·04	......	0·06	Nil	0·15	1·37	3·69	5·38	36·27	40·27
		Kishnaghur ...	......	......	... ..	0·46	0·10	0·07	0·06	2	0·69	1·87	2·33	5·89	35·72	38·57
		Chooadanga ..	......	......	......	......	0·17	......	......	1	0·17	1·60	1·88	6·98	36·54	42·58
		Meherpore ...	.. ...	0·09	......	......	0·08	......	......	Nil	0·17	1·45	1·81	5·58	35·71	40·62
		Kooshtea .	0·15	0·02	......	0·80	0·05	0·17	.. ...	3	1·19	1·79	2·23	6·95	31·53	44·82
	Khoolna ..	Satkhira .	0·21	0·01	0·46	0·45	0·24	0·07	0·21	5	1·73	1·72	3·57	6·26	39·51	46·40
		Bagirhat ..	0·25	0·28	......	......	... .	......	......	2	0·53	1·82	1·09	7·62	43·20	52·00
		Khoolna ...	0·13	0·03	1·26	......	11·12	0·21	......	4	2·74	1·98	8·12	7·51	34·76	46·77
		Nakipur ...										?		?		?
		Rampal .	0·70	......	......	0·30	0·10	0·20	......	4	1·30	?	2·20	?	32·83	?
	Jessore ...	Narail ..	......	0·05	......	0·25	0·32	......	......	2	0·62	1·49	3·24	5·53	32·54	39·06
		Jessore ...	0·12	0·04	0·03	1·41	0·16	0·02	......	3	1·78	1·82	4·67	6·30	40·56	45·96
		Jhenidah ..	0·00	0·06	0·07	......	0·11	......	......	1	0·30	1·50	1·45	6·10	31·91	44·34
		Magoorah ...	0·04	......	......	......	0·35	......	......	1	0·39	1·40	1·94	6·13	34·72	41·46
		Bongong ..	......	......	......	......	0·65	......	......	1	0·65	1·81	3·11	6·44	38·70	42·73
	Moorshedabad	Kandi ...	......	......	......	......	0·80	0·10	......	2	0·90	1·97	2·41	7·29	30·26	42·74
		Berhampore ...	0·20	......	0·43	......	0·50	0·33	......	4	1·46	2·07	2·45	7·53	33·26	44·20
		Lalbagh ...	0·55	0·03	1·07	......	0·26	......	......	3	1·91	2·50	5·17	7·89	36·36	41·61
		Azimgunge ...	0·73	......	... ..	......	1·20	......	......	2	1·93	1·78	2·46	6·99	30·84	42·39
		Jungipore ...	1·13	0·21	0·06	0·04	2·86	......	......	3	4·30	1·85	5·78	8·16	38·50	42·67
		Lalgola ...	......	......	0·15	2·30	0·25	......	0·05	3	2·75	1·69	4·35	7·34	30·89	42·75
		[illegible] ...	0·28	0·22	......	......	......	0·08	......	2	0·48	?	1·59	?	36·22	?
		Patkabari ..	......	......	......	......	0·30	0·06	......	1	0·35	?	1·80	?	35·80	?
EAST BENGAL	Chittagong	Cox's Bazar ...	1·12	0·06	0·60	... ..	0·62	......	......	2	1·80	2·59	3·76	11·89	92·41	116·04
		Chittagong ...	0·00	0·55	.. ...	......	......	0·03	......	2	1·28	1·94	2·13	9·85	63·97	81·20
		Kutubdia ...	0·92									?		?		?
		Satkanya ...	0·21	0·30	0·08	1·47	0·54					?		?		?
	Chittagong Hill Tracts.	Rangamati ...	0·29	0·25	......	... ..	......	0·68	......	3	1·22	2·70	3·59	9·33	60·93	60·99
		Bundarban ...	0·52	......	......	0·32	......	......	......	2	0·84	?	2·28	?	92·22	?
	Backergunge	Patuakhally...	0·65	0·12	0·62	......	0·40	0·15	0·11	6	2·05	2·71	4·84	9·96	55·66	74·86
		Ferozepore .	0·57	0·15	0·42	0·24	0·45	0·30	......	6	2·13	2·11	3·54	7·91	52·46	57·92
		Burrisal ..	0·97	0·20	0·40	......	0·27	0·93	......	4	1·87	2·69	5·73	8·07	45·48	56·35
		Bhola ...	0·72	0·36	0·14	......	0·16	......	......	4	1·38	2·05	3·79	8·48	44·61	70·17

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 19th of September 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 13th Sept.	Monday, 14th Sept.	Tuesday, 15th Sept.	Wednesday, 16th Sept.	Thursday, 17th Sept.	Friday, 18th Sept.	Saturday, 19th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
East Bengal—concld.		*Gournaddi* ..	0·12	...	0·38	0·45	2·10	...	...	4	3·05	?	6·11	?	42·08	?
		Bauphal ...	0·89	0·20	...	...	0·17	...	0·01	3	1·27	?	8·05	?	40·37	?
	Noakholly ...	Noakholly ..	0·57	0·02	1·03	1·01	...	...	...	3	2·63	4·13	3·01	13·16	62·89	92·06
		Fenny ..	0·45	...	0·90	...	...	0·10	...	3	1·15	3·37	2·68	12·21	58·04	92·05
		Harishpore ...	1·20	0·11	1·55	...	0·15					?		?		?
		Ramganj ...	0·74	0·38	...	0·20						?		?		?
	Furreedpore	Maduripore ...	0·21	...	...	1·43	...	0·27	...	3	1·91	1·79	4·88	6·24	37·35	47·33
		Furreedpore...	...	...	...	...	1·11	...	...	1	1·11	1·71	2·42	7·10	38·16	48·58
		Goalundo ...	0·02	...	...	0·05	0·77	0·01	...	1	0·85	1·27	2·03	6·04	27·56	44·28
	Dacca ...	Munshigunge	0·25	0·56	0·16	0·80	0·05	...	...	4	1·82	2·67	4·00	9·15	42·84	59·67
		Dacca ...	...	...	...	1·12	0·06	0·05	...	1	1·23	1·73	2·10	7·03	49·28	50·53
		Naraingunge	0·11	...	...	0·46	0·02	...	...	2	0·59	3·22	2·53	8·03	52·44	55·41
		Manickgunge	0·08	0·64	0·12	0·10	0·08	...	...	3	1·00	1·10	2·31	5·84	37·53	42·18
		Joydebpore ..	0·03	...	0·10	0·63	0·34	0·09	...	3	1·19	?	3·09	?	45·65	?
	Hill Tipperah	Agartola ...	0·40	...	0·50	0·30	0·50	0·60	...	5	2·30	2·02	4·10	7·64	52·40	51·21
	Tipperah ...	Comilla ...	...	0·16	0·15	...	1·17	...	...	3	1·48	2·45	1·68	8·49	48·91	60·72
		Chandpore ...	0·06	0·07	0·09	0·10	0·94	0·10	...	3	1·45	2·55	3·63	8·26	40·20	63·93
		Brahmunberia	...	...	0·20	...	0·34	0·20	0·34	4	1·08	2·20	2·20	8·34	49·25	51·70
		Ramchandrapore ...	...	...	...	0·11	0·21	...	...	2	0·32	?	0·84	?	44·78	?
		Nasirnagar ...	0·30	...	1·5	...	1·39	1·59				?		?		?
		Daudkandi ...	...	...	1·12	0·11	0·09	...	...	2	1·33	?	2·36	?	44·21	?
		Kasba ...	...	...	...	0·14	0·05	0·06	...	1	0·25	?	1·31	?	?	?
		Laksham ...	...	0·65	...	...	...	...	...	1	0·65	?	1·61	?	52·70	?
	Mymensingh..	Kishoregunge	...	...	0·16	0·25	1·02	0·48	...	4	1·91	2·23	3·14	9·06	73·80	58·87
		Atia (*Tangail*)	0·13	0·06	1·77	...	0·08	...	...	2	2·04	1·54	3·09	6·41	36·67	45·52
		Mymensingh	...	0·19	1·79	0·05	0·20	0·24	...	4	2·47	3·06	2·93	9·57	51·22	62·20
		Jamalpore ...	...	0·72	...	...	1·05					2·43		9·28		53·91
		Netrokona ...	...	...	1·38	1·65	...	0·31	...	3	3·34	2·08	4·39	9·04	77·31	69·91
		Subornakhali	0·34	...	...	...	0·65	...	...	2	1·01	?	2·31	?	35·28	?
		Durgapore ...	...	...	2·75	...	...	1·10				?		?		?
		Sherepore Town	...	0·53	...	0·89	...	...	...	2	1·42	?	1·63	?	60·01	?
		Dewanganj ...	...	...	1·34							?		?		?
North Bengal.	Pubna ...	Pubna ...	0·07	...	...	0·26	0·12	...	...	2	0·45	1·83	1·22	7·96	24·75	44·07
		Serajgunge ...	0·04	...	0·06	0·35	1·53	0·02	...	2	2·00	1·87	2·59	7·00	34·85	44·18
	Bogra ...	Sherepore ..	0·49	...	...	0·52	3·25	0·22	...	4	4·48	1·64	5·12	6·34	29·11	48·47
		Nowkhila ..	...	...	0·07	0·14	2·15	...	...	2	2·36	1·84	2·90	5·38	37·49	44·13
		Bogra ...	...	...	0·01	0·60	0·90	0·01	...	2	1·52	1·80	2·38	7·24	34·66	51·74
		Panchbibi ...	...	0·35	0·54	...	0·78	...	...	3	1·67	1·61	2·37	7·71	38·27	47·47
	Rajshahye ...	Beauleah .	0·11	0·02	0·02	0·12	...	...	...	2	0·27	1·81	1·38	7·38	37·53	43·75
		Nattore ..	0·15	...	0·60	1·04	0·13	...	...	4	1·92	1·91	2·70	7·67	48·37	45·43
		Naogaon ..	0·12	...	0·58	3·50	0·49	...	...	4	4·69	3·90	5·43	9·06	31·32	47·72
		Lalpore ...	...	0·50	0·70	...	...	...	...	2	1·20	?	2·05	?	34·24	?
		Manda .	...	...	3·00	0·60	0·30	...	...	3	3·90	?	5·04	?	27·12	?
	Maldah ..	Maldah ..	0·08	0·02	...	1·24	1·28	0·02	...	3	2·64	1·80	3·24	8·46	31·00	43·40
		Chanchal ...	0·39	...	...	1·35	0·26	0·07	...	3	1·98	1·43	2·80	8·09	26·12	49·90
		Gajol ...	...	0·20	...	4·87	...	...	...	2	5·07	?	6·52	?	43·78	?
		Sibganj ...	1·23	0·22	...	...	0·57	0·26	...	4	2·28	?	2·99	?	30·73	?
	Dinagepore .	Mohadebpore	...	...	...	...	1·53	0·15	...	2	1·68	2·38	3·20	8·20	26·50	40·71
		Churamon ...	0·31	...	...	2·88	0·54	...	...	3	3·73	2·06	6·06	9·81	42·50	47·98
		Raigunge ...	...	...	...	5·30	...	...	...	1	5·30	1·71	6·02	8·62	56·05	51·47
		Dinagepore .	...	...	0·64	0·25	...	...	...	2	0·89	1·76	1·26	8·25	37·39	54·78
		Baloorghat	...	...	0·14	...	0·67	0·18	...	3	0·99	1·85	1·18	8·58	80·03	47·31
		Thakoorgaon	...	...	0·26	2·57	...	...	...	2	2·83	?	3·87	?	58·71	?
	Rungpore ..	Bhawanigunge (*Gyabanda*)	...	...	0·05	0·03	1·43	0·20	...	2	1·71	1·89	2·83	8·49	47·25	51·21
		Rungpore ...	...	...	1·23	...	0·73	0·12	...	3	2·08	2·40	4·34	9·87	53·34	64·10
		Kurigram ...	...	...	0·90	0·09	0·18	0·08	...	2	1·25	1·76	1·29	8·18	44·76	63·71
		Bagdogra (*Nilphamari*)	...	0·14	0·34	0·18	0·31	...	...	4	0·97	2·77	1·32	10·49	49·34	74·05
		Ulipore ...	...	...	0·07	0·86	1·20	0·44	...	3	2·63	?	2·82	?	47·16	?
	Julpigoree ...	Julpigoree .	0·66	1·75	0·30	2·48	0·15	...	...	5	5·34	6·11	6·41	17·07	85·60	102·10
		Alipore Dooar	0·15	2·33	...	1·30	...	...	...	3	3·78	?	6·91	?	69·09	?
		Fallacotta ...	0·06	0·73	...	3·01	...	...	...	2	3·80	?	5·87	?	59·35	?
		Debiganj ..	...	...	...	0·08	0·20	0·07	...	1	0·35	?	3·11	?	59·27	?
		Bhagatpore (Nagrakatta)	0·74	1·38	...	2·35	0·46	...	...	4	4·93	?	9·00	?	77·80	?
	Cooch Behar	Dinhatta ...	0·02	0·81	0·30	0·26	0·10	0·04	...	4	1·53	4·13	3·12	11·49	61·07	83·73
		Cooch Behar..	...	2·25	0·41	0·98	0·06	...	...	3	3·70	4·55	5·54	15·13	60·13	104·57
		Mekligunge..	0·03	0·08	0·56	2·82	0·73	...	...	4	5·12	4·27	5·57	13·81	68·30	96·98
		Matabhanga...	0·29	0·92	0·75	3·45	0·56	...	0·07	5	5·65	4·85	7·06	14·27	70·78	106·19
	Darjeeling Hill.	Buxa .	4·50	2·45	0·25	1·52	0·26	...	0·68	6	9·66	7·67	17·98	22·78	105·85	109·37
		Siliguri .	0·16	1·00	...	2·65	0·03	0·15	0·05	4	4·04	3·93	8·43	11·60	56·71	101·58
		Darjeeling ..	0·30	0·48	0·30	0·96	0·58	0·87	...	6	3·49	2·45	4·57	12·55	81·58	95·85
		Kalimpong ...	0·22	0·69	0·14	1·05	0·34	0·08	...	5	2·52	2·01	6·55	7·26	53·21	76·05
		Kurseong ...	0·55	0·90	0·75	1·80	1·00	1·72	0·21	7	6·93	?	21·10	?	105·89	?
North Behar	Purneah ...	Kissengunge...	0·06	0·17	0·44	0·45	0·33	...	...	4	1·45	2·38	1·87	10·06	40·30	62·10
		Arrariah ...	0·15	0·66	1·04	0·02	1·03	...	...	3	2·90	1·70	2·96	9·14	38·29	55·00
		Purneah ...	...	0·02	1·75	3·76	0·51	0·08	...	3	6·12	1·74	6·14	11·12	32·96	53·70
		Gondwara ...	...	0·23	...	...	2·02	...	...	2	2·25	?	2·25	?	?	?
		Balrampore	...	...	...	0·20	0·45	0·77	...	3	1·42	?	1·85	?	21·21	?
		Mattari ...	0·19	...	0·15							?		?		?
		Kaliaganj ...	...	2·20	...	0·12	...	...	...	2	2·32	?	3·47	?	51·64	?
	North Bhagulpore.	Maddepore ...	0·15	...	0·06	0·30	...	...	...	2	0·51	1·51	0·78	7·38	28·34	41·45
		Soopool ..	...	0·55	...	...	...	...	...	1	0·55	1·50	1·24	7·03	23·33	41·60
		Protabganj ...	...	...	2·13	1·07	...	...	...	2	3·19	?	3·64	?	36·66	?
	Durbhunga ..	Tajpore ...	...	...	...	0·22	...	...	...	1	0·22	1·49	0·37	5·49	41·35	37·05
		Durbhunga ...	...	0·11	...	...	...	...	...	1	0·11	1·37	1·31	6·39	35·45	39·13
		Madhubani ...	...	...	0·21	...	...	...	...	1	0·21	0·96	0·53	0·87	29·12	35·04
		Bahera ...	...	0·72	...	...	...	...	...	1	0·72	?	2·31	?	31·73	?
		Roshera ...	...	...	...	...	...	...	...	Nil	Nil	?	0·10	?	18·38	?
	Mozufferpore	Sitamarhi ..	...	0·20	...	0·50	...	...	...	2	0·70	1·13	1·15	6·14	45·23	39·12
		Mozufferpore	...	...	...	...	0·05	...	...	Nil	0·05	1·35	0·63	5·85	28·00	37·42
		Hajipore ...	0·29	0·09	...	0·03	0·44	0·03	...	2	0·88	1·34	2·17	4·12	26·53	34·58
		Paru ...	...	...	1·00	...	...	...	...	1	1·00	?	1·31	?	?	?
		Mahua ...										?		?		?
		Sheohar ...										?		?		?
		Pupri ...										?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 19th of Sept. 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 13th Sept.	Monday, 14th Sept.	Tuesday, 15th Sept.	Wednesday, 16th Sept.	Thursday, 17th Sept.	Friday, 18th Sept.	Saturday, 19th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
North Behar—concluded.	Chumparun	Motihari	......	......	......	2·86	0·48	......	......	2	3·34	1·47	3·66	5·98	42·85	37·46
		Bettiah	0·05	......	......	......	1·31	......	......	1	1·36	1·47	2·23	4·46	27·56	39·86
		Bagaha	......	......	2·37	......	1·05	......	......	2	3·44	?	3·83	?	54·70	?
		Burhurwa	......	......	......	0·21	3·12	......	......	2	3·33	?	3·53	?	30·10	?
	Sarun	Gopalgunge	......	......	......	0·45	1·85	......	......	2	2·30	0·99	2·82	4·87	32·57	35·44
		Sewan	......	0·11	3·70	1·16	......	......	......	3	4·97	1·86	5·65	5·57	32·13	36·17
		Chuprah	......	......	......	......	0·75	......	......	1	0·75	1·28	1·70	4·75	21·19	33·96
South Behar	Shahabad	Buxar	......	......	0·03	0·29	1·74	0·04	......	2	2·10	0·97	4·50	5·19	17·61	32·25
		Dehree	0·45	......	......	......	0·52	0·85	......	3	1·82	1·87	3·52	6·65	26·32	36·80
		Bhaboosah	0·12	......	......	......	1·94	0·36	......	3	2·42	0·98	5·26	5·01	28·02	34·92
		Sasseram	......	......	......	......	0·64	1·20	......	2	1·84	1·71	4·01	5·10	22·05	34·17
		Arrah	......	......	1·34	2·56	......	......	......	2	3·90	1·40	4·75	4·95	24·42	34·30
		Mohaniah										?		?		?
	Gya	Aurungabad	......	......	......	......	......	0·80	......	1	0·80	1·35	1·62	5·29	22·80	37·27
		Gya	......	......	......	......	0·73	0·08	......	1	0·81	1·26	3·40	5·26	20·65	37·30
		Nowadah	0·05	......	......	0·62	0·16	......	......	2	0·83	0·88	3·32	5·07	36·08	34·43
		Jehanabad	......	......	......	......	0·80	......	......	1	0·80	1·19	1·29	4·30	21·06	35·01
		Arwal	......	......	......	2·40	......	......	......	1	2·40	?	3·79	?	23·03	?
		Daudnagar	......	......	......	......	......	0·60	......	1	0·60	?	1·85	?	14·07	?
		Sherryhatti	......	......	......	0·32	......	0·87	......	2	1·19	?	1·83	?	19·04	?
		Rajauli	......	......	......	2·16	2·53	......	......	2	4·69	?	6·28	?	40·78	?
		Pakri Barawan	......	......	......	......	0·17	0·11	......	2	0·28	?	1·75	?	24·17	?
	Patna	Patna	0·19	0·82	......	......	1·82	......	......	3	2·83	1·53	3·05	4·80	28·59	35·72
		Dinapore	0·75	......	......	5·54	......	......	......	2	6·29	1·25	7·51	4·32	38·07	35·05
		Behar	......	......	......	......	2·04	......	......	1	2·04	0·86	3·23	4·94	35·40	36·15
		Barrh	......	......	0·10	0·90	......	......	......	2	1·00	0·85	2·60	4·85	39·23	33·03
		Bickram	......	......	0·58	1·04	......	......	......	2	1·62	?	1·99	?	24·27	?
		Hilsa	......	......	......	1·20	......	......	......	1	1·20	?	1·90	?	?	?
	Monghyr	Begooserai	......	......	......	......	......	......	......	Nil	Nil	1·23	1·86	5·05	29·89	34·01
		Monghyr	0·27	......	......	0·48	......	......	......	2	0·75	0·80	2·37	6·39	36·08	39·79
		Jamui	......	......	0·26	......	......	......	......	1	0·26	1·19	2·28	5·48	34·20	37·47
		Gogri	0·96	......	......	0·47	......	......	......	2	1·43	?	2·73	?	46·85	?
		Sheikpura	......	......	......	......	......	......	......	Nil	Nil	?	1·35	?	34·09	?
	South Bhagulpore.	Bhagulpore	......	0·03	......	0·22	0·95	0·07	......	2	1·27	1·09	2·04	5·86	38·93	36·42
		Banka	......	......	......	0·55	3·35	......	......	2	3·90	0·98	5·54	5·48	43·80	36·63
		Kolgong	......	......	......	1·05	......	0·12	......	2	1·17	?	2·38	?	29·90	?
		Bongaon	0·38									?		?		?
	Sonthal Pergunnahs.	Rajmehal	0·51	......	......	0·08	0·94	......	......	2	1·53	1·02	3·19	9·38	34·80	45·58
		Godda	0·07	......	......	0·85	2·20	......	......	2	3·12	1·97	4·85	7·01	37·57	38·83
		Pakour	0·81	......	......	0·48	0·29	0·09	......	3	1·67	3·10	3·20	9·71	34·07	48·17
		Nya Doomka	0·11	0·08	0·01	0·09	......	0·15	0·07	2	0·51	2·30	2·17	8·19	39·49	48·15
		Deoghur	0·11	......	......	......	0·03	0·76	......	2	0·90	1·49	3·63	6·23	32·59	42·36
		Jamtara	......	......	......	......	0·05	0·48	......	1	0·53	1·83	5·85	5·59	50·68	42·27
		Mohagama	2·60									?		?		?
		Nansaul	0·64	......	......	0·50	0·65					?		?	?	?
Chutia Nagpur.	Hazaribagh	Pachamba (*Giridi*).	0·35	0·19	......	......	0·77	0·32	0·04	4	1·67	1·64	4·80	6·50	40·33	41·27
		Hazaribagh	0·21	......	0·02	1·38	1·83	1·12	0·08	4	4·64	1·44	6·62	6·21	40·16	41·47
		Semtagurah	......	......	0·10	0·40	0·70	0·25	......	4	1·45	1·87	2·99	6·01	27·76	40·24
		Mahudi Hills										2·27		6·70		43·17
		Jhoomra Hills										2·60		8·89		54·52
		Barhi	0·30	0·02	......	0·12	0·43	0·33	0·17	5	1·40	?	5·45	?	35·04	?
		Chatra	......	......	......	......	......	0·12				?		?		?
		Karagdeha	0·27	......	......	0·90	1·65	0·60	0·09	4	3·51	?	6·68	?	40·53	?
		Ramghur	......	......	......	1·20	1·95					?		?		?
	Lohardugga	Lohardugga	......	0·01	......	0·39	0·46	0·14			1·00	1·38	7·88	7·21	39·14	45·44
		Ranchi	1·25	......	......	......	1·90	0·98	0·40	4	4·53	1·61	10·01	6·75	38·81	45·67
		Palamow	0·57	0·08	......	2·35	0·03	0·08				1·08		5·71		37·14
		Silli										?		?		?
		Balumat	0·29	......	1·36	0·75	1·29	0·11		5	2·80	?	6·45	?	35·04	?
		Hosseinabad	......	......	......	0·50	0·90	......				?		?		?
		Garwah	......	......	......	0·15	1·16	0·62				?				?
	Singbhoom	Chyebassa	0·07	0·30	......	0·02	0·21	0·68	0·43	4	1·71	1·29	6·84	6·17	40·03	45·14
		Chakradharpore.										?		?		?
		Chatuilla	...	......	...	......	1·05	0·75	0·32	3	2·12	?	7·05	?	51·45	?
		Baharagura										?		?		?
	Manbhoom	Purulia	0·31	......	0·71	......	3·25	0·40	0·21	5	4·88	1·76	7·13	6·12	46·11	42·78
		Gobindpore	0·14	......	......	......	0·55	0·37	0·06	3	1·12	1·43	2·55	5·81	32·95	39·11
		Raghunathpore.	......	......	......	......	0·58	0·09	0·20	2	0·87	?	5·72	?	46·32	?
		Barrabhoom	......	1·20	......	......	1·70	0·25	......	3	3·15	?	5·77	?	38·10	?
		Jhaldo	......	......	......	......	0·97	0·09	0·35	3	1·41	?	4·78	?	37·87	?
		Chas	......	......	......	......	2·42	1·38	......	2	3·80	?	7·78	?	49·79	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 22nd September* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 19TH OF SEPTEMBER 1891.

QUITE at the close of the previous week a small barometric depression had again formed in the north-west angle of the Bay, which on the 12th, or the last day of that week, had passed inland, crossing the coast near Balasore, and on this day its centre was to the north-west of Balasore or to the south-east of Chybassa. The small storm brought up rather heavy rain to the districts through which it passed, while some stations to the south of the path of the centre received particularly heavy rain. On the 13th the depression had again advanced in a north-westerly direction, and its centre was in the extreme west of the province, probably in the west of Chutia Nagpur. It continued its advance on the following day when it reached Jubbulpore, where it apparently filled up and disappeared, for its existence was scarcely evident on the 15th. The monsoon current brought up in the rear of the small storm was however feeble, and the rainfall given by it was light though fairly general. Conditions then remained of ordinary light monsoon character up till the 16th, when the easterly element in the wind directions decidedly fell off in force, winds becoming southerly over a large part of the province, while at some of the western stations they were even westerly. This apparently was brought about by the strengthening of a westerly wind current, and this at once caused interaction and consequent heavy rainfall, and on the 16th and 17th heavy rain was reported at all the western stations and at many of the northern stations. On the 17th, also, winds showed a tendency to cyclonic circulation in the north-west angle of the Bay and of indraught to the sea area off the Orissa and Ganjam coasts, but this did not develop, and on the 18th a feeble area of low pressure drifted over Ganjam, and again rather heavy rain was received in Orissa. On the 19th conditions in the Bay began to change; a rapid rise of pressure took place in Orissa and along the mid-west coast of the Bay, and a moderate rise in Bengal, so that generally the differences of pressure over the Bay became very small. At the same time a rather rapid fall of pressure set in at Rangoon and Moulmein, and winds became north-westerly in Lower Burma, and it thus appeared possible that a barometric depression with its attendant cyclonic circulation of winds was crossing Tenasserim towards Lower Burma. Over the Bay generally at this time, however, very light monsoon conditions were generally obtaining.

Conditions therefore during the week have been fairly favourable for rainfall, and in Behar and North Bengal in particular fairly good rain has been received, the amounts being larger than those normal for the week; but in other districts the falls have been rather smaller than usual.

Pressure.—The variations of pressure during the week have been large. On the 13th it had risen rapidly at the southern and south-western stations and less rapidly elsewhere; the large changes being due to the advance of the small depression to the extreme west of the province. The increase continued on the 14th, but by smaller amounts; but on the 15th a fall set in which continued on the 16th. On the 17th pressure was again rising, the increase being rapid at the northern stations and less rapid towards the south and south-west of the province; and on the 18th again pressure had risen, the increase being largest in the east of the province, where at Silchar it equalled 0·12″, while in the south-west of the province the rise was small. On the 19th the rapid rise had extended to Orissa and to the south-western districts generally, and on this day the distribution of pressure had entirely changed, the highest pressure being reported in North-East Bengal, and the lowest in Burma and in Orissa and Ganjam. In Bengal on this date pressure was at many stations a tenth of an inch in excess of the normal. For the whole week the mean pressure has been slightly above the normal, the excess generally equalling from 0·01″ to 0·04″. In Assam the mean excess has been 0·011.″

Temperature.—The changes during the week have also been moderately large, but on the whole the temperature has been nearly normal. Thus a slight excess averaging a little over half a degree has been shown in the mean temperature of North and South Behar and South-West Bengal, and a defect, but of rather smaller amount, in the mean temperature of Chutia Nagpur, Orissa, and North Bengal. In East Bengal temperature has been absolutely normal. For the whole province the mean temperature for the week may therefore be said to have been about 0·2° above the normal. In Assam, on the other hand, a defect of 0·03° has been registered.

Rainfall—Has been in excess of the normal in Orissa, North and South Behar, and in Chutia Nagpur. It has been almost normal in North Bengal, and moderately below it in South-West and East Bengal. The districts of Orissa, North Bengal, and Chutia Nagpur have received between two and three inches of rain, those of East Bengal and North and South Behar between one and-a-half and two inches of rain, and South-West Bengal an average amount of only 1·30 inches of rain. It is noticeable that this week North and South Behar have received falls above the average for the first time for some weeks, while also for the first time for many weeks North Bengal has received a fall nearly equal to the normal. The distribution of the rainfall has, however, been rather irregular in the various divisions, and thus the following districts have received falls during the week which are very decidedly defective :—Burdwan, Beerbhoom, Nuddea, Mozufferpore Durbhunga, and Gya.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 19th of September 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
			Averages for week.				Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
	Highest observed during week.	Lowest observed during week.	Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92·4	74·1	88·3	78·5	83·4	−0·2	2·21	2·69	−0·48	3·00	3·21	−0·21	10·46	7·75	40·70	42·62
South-West Bengal ...	93·3	74·9	89·4	78·8	84·1	+0·5	1·30	1·81	−0·51	2·57	2·45	+0·12	4·12	6·70	39·42	44·15
East Bengal	93·3	74·1	87·5	77·7	82·6	0	1·71	2·39	−0·68	3·04	2·93	+0·11	3·38	8·71	52·17	63·89
North Bengal	94·9	73·2	88·5	77·9	83·2	−0·1	2·47	2·56	−0·09	2·92	2·66	+0·26	3·40	9·52	43·94	60·15
North Behar	94·2	73·7	91·0	78·3	84·7	+0·8	1·85	1·48	+0·37	1·88	1·91	−0·03	2·44	6·60	32·95	41·19
South Behar	97·4	75·0	90·3	78·6	84·5	+0·7	1·75	1·42	+0·33	1·84	2·05	−0·21	3·64	5·84	32·64	37·09
Chutia Nagpur	87·2*	70·4*	83·1*	72·2*	77·7*	−0·4*	2·75	1·67	+1·08	4·10	2·72	+1·38	6·13	6·56	38·55	43·26
Assam	95·6	75·0	88·7	76·7	82·7	−0·3										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 22nd September 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 13th to 19th September 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
September...	13th ...	29·775	83·4	88·0	9·2	78·8	83·6	80·5	1·001	79·3	87	0·05
,, ...	14th ...	·803	83·9	90·0	12·2	77·8	86·9	81·5	1·004	79·4	78	0·10
,, ...	15th ...	·722	86·5	93·0	13·0	80·0	89·6	84·5	1·118	82·7	81	0·03
,, ...	16th ...	·618	86·2	92·0	11·7	80·3	88·1	82·0	1·012	79·6	76	0·05
,, ...	17th ...	·688	82·8	88·2	10·8	77·4	80·1	79·0	·978	78·6	95	0·48
,, ...	18th ...	·763	83·9	90·0	12·2	77·8	86·4	81·0	·986	78·8	78	0·72
,, ...	19th ...	·811	85·2	91·8	13·2	78·6	86·4	81·5	1·008	79·5	80	Nil

	Inches.
The mean 10 A.M. pressure of the seven days	29·749
	°
The mean temperature of the seven days	84·6
The extreme variation of temperature	15·6
The maximum temperature	93·0
	%
The mean 10 A.M. relative humidity of the seven days	82
	Inches.
The total fall of rain from 13th to 19th September 1891	1·43

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLILAND,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 21st September 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th September 1891.

Month	Date	Maximum in sun	Number of hours of bright sunshine	Mean pressure barometer at 32° Fahr	Temperature: Mean	Temperature: Maximum	Temperature: Range	Temperature: Minimum	Hygrometry: Mean wet bulb	Hygrometry: Vapour pressure	Hygrometry: Dew point	Hygrometry: Humidity	Wind: Prevailing direction	Wind: Miles recorded	Rain	Weather
		°		Inches	°	°	°	°	°	Inches	°	%			Inches	
Sept	13th	148 0	1 9	29 714	82 4	87 3	9 1	78 2	80 1	0 907	79 1	90	ESE, SSE and S	98	0 18	[illegible]
,,	14th	156 2	1 7	715	83 1	88 8	11 6	77 2	80 9	1 024	80 0	89	SSE and SSW	74	0 07	Chiefly [illegible] o, d
,,	15th	155 5	7 1	647	84 [illegible]	91 1	10 4	80 7	81 8	1·011	80 6	87	SSW, SW and SW by S	1[illegible]	0 0[illegible]	Partially [illegible] p
,,	16th	156 2	4 0	603	84 2	90 [illegible]	11 1	79 1	81 1	1 010	80 1	89	SSW, SSE and SE	55	0 17	Chiefly [illegible]
,,	17th	113 4	1 8	651	81 7	85 8	8 8	77 0	7[illegible]	0 970	78 3	89	E and ESE	109	0 66	Chiefly [illegible] d [illegible]
,,	18th	118 5	7 7	713	82 8	88 [illegible]	10 4	78 3	79 4	961	75 0	86	E, SSE, and ESE	181	0 23	Partially cloudy [illegible]
,,	19th	119 3	9 9	775	81 3	[illegible]	10 [illegible]	78 [illegible]	79 [illegible]	96[illegible]	78 1	81	SE and ESE	82	Nil	Partially cloudy [illegible]

	Inches
The mean pressure of the seven days . . .	29 668
The average pressure of the corresponding period for 24 years, S.-G.'s Office	29 676
	Hours
The total number of hours of bright sunshine	37 1
The maximum possible number of hours of sunshine	85 6
	°
The mean temperature of the seven days	83 1
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83 3
The extreme variation of temperature	14·1
The maximum temperature	91 1
	Miles
The highest velocity of the wind in one hour	13
	lbs
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	87
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches
The total fall of rain from 13th to 19th September 1891	1 40
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2 42
The total fall from 1st January to 19th September 1891	43 70
The average fall of the corresponding period for 24 years, S.-G.'s Office ..	55 53

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast, g, gloomy, d, drizzling rain; t, thunder; p, passing temporary showers; ⏝, dew

J. H. GILLILAND,
For Meteorological Reporter to the Govt. of India

METEOROLOGICAL OFFICE, GOVT. OF INDIA,
Calcutta, the 21st September 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 5th September 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of population per annum.			BIRTHS. Ratio of male births to every 100 female births.	MORTALITY ACCORDING TO— Diseases. Deaths from—							MORTALITY ACCORDING TO— Diseases. Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the preceding week.	Sex. Deaths.		Sex. Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*		Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*		Male.	Female.	Male.	Female.	
Burdwan	Burdwan ...	18,063	16,017	34,080	13	8	***21***	19·8	12·2	***32·0***	162	..	.	6	7	.	5	***18***	...		9·2	19·7	...	7·6	***27·5***	27·5	12	6	34·5	19·5	177
	Raniganj ...	6,246	4,091	10,337	2	2	***4***	9·5	9·5	***19·0***	100	.		1	..	...	1	***2***			4·7		..	4·7	***9·5***	Data not available.	1	1	5·3	11·1	7·4
Bankura	Bankura ...	8,970	8,925	17,895	3	4	***7***	8·7	11·6	***20·3***	75	....	...	2		...	...	***2***		...	5·8	...	...	...	***5·8***	Do. ..	.	2	...	11·7	No male death.
Birbhum ..	Soori ...	3,982	3,866	7,848	.	1	***1***	...	6·6	***6·6***	No male birth.	.	.	1	...		1	***2***	...	.	6·6	..	...	6·6	***13·3***	Do. .	1	1	13·1	13·5	97
Midnapore	Midnapore ...	16,927	16,633	33,560	12	9	***21***	18·6	13·9	***32·5***	123	.		3	4	1	7	***15***	...	...	4·6	6·2	1·5	10·8	***23·2***	21·7	3	12	9·2	37·5	25
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	9	3	***12***	14·8	4·9	***19·7***	300	...	.	20	3	1	3	***27***	...	...	32·8	4·9	1·6	4·9	***44·3***	55·8	9	18	29·5	59·1	50
	Serampore ..	13,559	12,937	26,496	8	12	***20***	15·7	23·6	***39·3***	66	...	.	17	11	...	6	***34***	...	...	33·4	21·6	...	11·7	***66·7***	35·3	18	16	69·0	64·3	107
	Utterpara .	3,046	2,464	5,510	1	...	***1***	9·4	.	***9·4***	No female birth.	...	...	..	3	1	...	***4***	...	...	...	28·3	9·4	...	***37·7***	28·3	3	1	51·2	21·1	242
Howrah	Howrah	53,153	37,660	90,813	15	17	***32***	8·6	9·7	***18·3***	88	1	...	5	6	2	13	***27***	·6	..	2·9	3·4	1·1	7·4	***15·5***	15·9	15	12	14·7	16·6	88
	Bali	7,836	6,979	14,815	2	4	***6***	7·0	14·0	***21·1***	50	...	...	4	2	...	1	***7***	...	...	14·0	7·0	..	3·5	***24·6***	21·1	6	1	39·8	7·5	531
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	1	4	***5***	2·0	7·9	***9·9***	25	15	...	16	1	1	3	***36***	29·7	...	31·6	2·0	2·0	5·9	***71·2***	Data not available.	21	15	67·9	76·4	89
	Manicktola ..	16,536	12,112	28,648	3	4	***7***	5·4	7·3	***12·7***	75	1	...	6	1	...	1	***9***	1·8	...	10·9	1·8	...	1·8	***16·3***	Do. ...	3	6	9·4	25·8	36
	Baranagore ...	Return not received up to date.																													
	South Suburban...	Ditto ditto.																													
Nuddea	Krishnagar ...	13,263	14,214	27,477	3	...	***3***	5·7	...	***5·7***	No female birth.	...	...	2	1	...	3	***6***	...	...	3·8	1·9	...	5·7	***11·4***	22·7	3	3	11·8	11·0	107
	Ranaghat ...	4,028	4,655	8,683	2	2	***4***	12·0	12·0	***24·0***	100	...	...	...	...	1	2	***3***	...	...	..	...	6·0	12·0	***18·0***	29·9	2	1	25·8	1·2	230
	Santipore ...	13,708	15,979	29,687	5	6	***11***	8·8	10·5	***19·3***	83	...	..	3	..	...	1	***4***	...	...	5·3	...	..	1·7	***7·0***	7·0	2	2	7·6	6·5	117
Jessore	Jessore	4,830	3,665	8,495	..	.	...	...	...	...	...	..	..	5	...	.	...	***5***	...		30·6	...	...	...	***30·6***	12·2		1	43·1	14·2	367
Murshedabad	Berhampore ..	Return not received up to date.																													
	City Murshedabad	18,901	20,330	39,231	4	7	***11***	5·3	9·3	***14·6***	57	.	...	10	1	.	2	***13***	...	...	13·3	1·3	...	2·6	***17·9***	Do. ...	8	5	22·0	12·8	171
Khulna ...	Khulna	3,240	3,043	6,292	2	..	***2***	16·5	..	***16·5***	No female birth.	...	...	3	...		.	***3***	...	...	24·8	...	..	...	***24·8***	Do. ...	2	1	32·0	16·4	195
Dinajpore ...	Dinajpore	7,254	5,306	12,560	3	2	***5***	12·4	5·3	***20·7***	150	...	..	6	...	...	2	***8***	...	...	24·8	...	..	8·3	***33·1***	Do. ..	3	5	21·5	49·0	44

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	5	9	*14*	13·1	23·6	*36·8*	55	1	...	13		...	4	*18*	2·6	...	34·2	...	...	10·5	*47·3*	49·9	8	10	38·6	57·6	67
Rungpore ...	Rungpore	8,011	5,309	13,320	2	1	*3*	7·8	3·9	*11·7*	200	...	...	5	1	...	4	*10*	...	...	19·5	3·9	...	15·6	*39·0*	Data not available.	7	3	45·4	29·4	154
Bogra ...	Bogra	3,480	2,699	6,179	...	...	...	...	...	...	...	2	...	...	..	..	3	*5*	16·8	...	...	...	...	25·2	*42·1*	Do. ...	2	3	29·9	57·8	52
Pubna ...	Pubna	7,701	7,566	15,267	4	3	*7*	13·6	10·2	*23·8*	133	...	...	1	...	...	9	*10*	...	...	3·4	...	...	30·7	*34·1*	Do. ...	6	4	40·5	27·5	147
	Serajganj										Return not received up to date.																				
Darjeeling ...	Darjeeling... ...	4,579	2,439	7,018	3	3	*6*	22·2	22·2	*44·5*	100	...	..	6	5	...	3	*14*	...	...	44·5	37·0	...	22·2	*103·7*	37·0	7	7	79·5	149·2	53
Julpaiguri ..	Julpaiguri... .	4,972	2,975	7,947	1	2	*3*	6·5	13·1	*19·6*	50	...	...		2	...	...	*2*	...	...	...	13·1	..	...	*13·1*	Data not available.	2	...	20·9	...	No female death.
Dacca ...	Dacca	42,782	37,379	80,161	13	7	*20*	8·4	4·5	*13·0*	185	1	...	8	4	1	10	*24*	·6	..	5·2	2·6	·6	6·5	*15·6*	23·4	17	7	20·7	9·7	213
	Narainganj .	7,605	4,956	12,561	5	2	*7*	20·7	8·3	*29·0*	250	..	.	6	1	...	5	*12*	...	...	24·8	4·1	..	20·7	*49·7*	20·7	9	3	61·5	31·5	195
Faridpore .	Faridpore	5,663	4,600	10,263	1	1	*2*	5·0	5·0	*10·1*	100	..	...	3	...	...	1	*4*	...	.	15·2	...	..	5·0	*20·3*	Data not available.	2	2	15·4	22·6	81
Backergunj	Barisal	8,701	4,485	13,186	.	...	..	...	..	...	.	...	...	5	...		1	*6*	..	...	19·7	...	..	3·0	*23·7*	Do. ...	3	3	17·9	34·8	51
Mymensing ..	Nasirabad... ...	10,443	4,413	14,856	..	...	...	...	...	...	..	...	...	1	1	...	1	*3*	.	...	3·5	3·5	..	3·5	*10·5*	Do. ...	3	.	14·9	...	No female death.
Chittagong ...	Chittagong .	13,340	8,790	22,130	1	...	*1*	2·3	.	*2·3*	No female birth.	...	...	2	...		...	*2*	...	...	4·7	...	.	...	*4·7*	21·1	1	1	3·9	5·9	66
Noakhali ...	Sudharam .	3,410	1,714	5,124	...	3	*3*	.	30·4	*30·4*	No male birth.	...	.	1	.	...	..	*1*	...	..	10·1	.	..	...	*10·1*	Data not available.	...	1	...	30·3	No male death.
Tipperah .	Comillah	8,153	5,353	13,506	3	2	*5*	11·6	7·7	*19·3*	150	...	...	4	.	1	1	*6*	...	...	15·4	...	3·8	3·8	*23·1*	19·3	4	2	25·5	19·4	131
Patna ...	Patna City ..	78,762	81,475	160,237	31	30	*61*	9·7	10·1	*19·8*	103	8	...	43	6	6	13	*76*	2·6	...	14·0	1·9	1·9	4·2	*24·7*	22·1	23	43	21·8	27·4	79
	Behar	23,799	25,172	48,971	20	21	*41*	21·2	22·3	*43·5*	95	...	.	20	2	1	2	*25*	...	...	21·2	2·1	1·1	2·1	*26·5*	Data not available.	13	12	28·4	24·8	114
Gya ...	Gya	38,290	37,831	76,121	26	23	*49*	17·8	15·7	*33·5*	113	9	...	27	3	1	21	*61*	6·1	...	18·4	2·0	·7	14·3	*41·7*	54·0	35	28	47·5	35·7	133
Shahabad	Arrah										Return not received up to date.															17·9					
	Buxar	9,309	8,369	17,688	1	3	*4*	2·9	8·8	*11·8*	53	...	...	2	2	...	1	*5*	...	...	5·9	5·9	...	2·9	*14·7*	Data not available.	4	1	22·4	6·2	361
Mozufferpore ..	Mozufferpore ...	23,084	19,658	42,742	13	9	*22*	15·8	10·9	*26·8*	144	5	...	7	5	...	6	*23*	6·1	...	8·5	6·1	...	7·3	*28·0*	31·6	10	13	22·5	31·4	65
Durbhanga ...	Durbhanga ..	33,774	32,322	66,096	15	22	*37*	11·8	17·3	*29·1*	68	1	...	13	3	1	4	*22*	·8	...	10·2	2·4	·8	3·1	*17·3*	19·1	14	8	21·6	12·0	167
Sarun ...	Chupra	25,116	26,554	51,670	20	26	*46*	20·1	26·2	*46·3*	77	17	...	8	3	1	20	*49*	17·1	...	8·0	3·0	1·0	20·1	*49·3*	54·3	23	26	47·6	50·9	93
Chumparun ...	Motihari	6,328	3,979	10,307	2	6	*8*	10·1	30·3	*40·4*	33	...	..	3	...	...	4	*7*	...	...	15·1	...	...	20·2	*35·3*	Data not available.	7	...	57·5	...	No female death.
Monghyr ...	Monghyr	28,154	29,366	57,520	28	10	*38*	25·3	9·0	*34·4*	250	34	...	16	4	2	5	*61*	30·7	...	14·5	3·6	1·5	4·5	*55·1*	47·9	34	27	62·8	47·8	131
	Jamalpore .. .	7,456	6,107	13,563	10	8	*18*	38·3	30·7	*69·0*	125	5	...	3	3	...	5	*16*	19·1	...	11·5	11·5	...	19·1	*61·3*	Data not available.	8	8	55·8	68·1	82
Bhagulpore ...	Bhagulpore ..	34,916	33,322	68,238	20	15	*35*	15·2	11·4	*26·7*	133	6	..	27	4		7	*44*	4·5	...	20·6	3·0	..	5·3	*33·5*	27·5	21	23	31·3	35·9	87
Purneah .	Purneah	8,463	6,553	15,016	5	3	*8*	17·3	10·4	*27·7*	166	..	.	2	...	...	..	*2*	...	..	6·9	...	...	...	*6·9*	17·3	1	1	6·1	7·9	77
Maldah ...	English Bazar .	6,289	6,141	12,430	5	2	*7*	20·9	8·4	*29·3*	250	1	...	5	...	...	1	*7*	4·2	...	20·9	...	...	4·2	*29·3*	Data not available.	2	5	16·5	42·3	39
Sonthal Pergunnahs.	Deoghur .	4,964	3,041	8,005	...	...	...	...	...	...	...	...	..	.	...	...	1	*1*	...	...	...	...	...	6·5	*6·5*	Do. .	1	.	16·5	.	No female death.
Cuttack ...	Cuttack										Return not received up to date.																				
Poori ..	Poori	13,247	11,537	24,784	7	5	*12*	14·7	10·5	*25·2*	140	...	...	7	6	2	1	*16*	...	...	14·7	12·6	4·2	2·1	*33·6*	46·2	9	7	33·3	31·6	111
Balasore ..	Balasore	10,282	9,983	20,265	3	5	*8*	7·7	12·8	*20·5*	60	...	...	...	3	..	4	*7*	...	...	...	7·7	...	10·3	*18·0*	Data not available	3	4	15·2	20·8	73
Hazaribagh ...	Hazaribagh ...										Return not received up to date.																				
Lohardugga ...	Ranchi ...	10,101	8,342	18,443	3	4	*7*	8·4	11·3	*19·7*	75	4	...	4	..	...	...	*8*	11·3	.	11·3	...	...	...	*22·6*	Do. ...	4	4	20·6	24·9	82
Singbhum ..	Chaibassa	3,126	2,880	6,006	...	1	*1*	...	8·7	*8·7*	No male birth.	.	...	...	...	...	2	*2*	...		...	...	...	17·3	*17·3*	Do. ..	1	1	16·6	18·1	91
Manbhum ...	Purulia	5,060	4,244	9,304	6	2	*8*	33·5	11·1	*44·7*	300		...	3	...	...	2	*5*	...	...	10·8	..	...	11·1	*27·9*	Do. ...	1	4	10·3	49·0	21
	Total ...	735,606	674,098	1,429,703	341	313	*654*	12·4	11·4	*23·8*	109	111	.	355	98	23	192	*779*	4·0	...	12·9	3·6	·8	7·0	*28·3*	29·5	411	368	28·3	28·4	99

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15											16										
		MORTALITY ACCORDING TO—																															
		Class.										Age.																					
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.											Ratio per 1,000 of population per annum.										
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	.	15	5	..	...	...	32·9	15·2	...	..	..	3		...	1		...	3	4	4	3	236·4	...	...	20·7	..		22·6	47·1	84·7	105·3
	Raniganj ...		2	...	...	...	.	11·7	. .	...	...	...		1	.	...	1	.	.		...	..	..	52·8	.	...	63·6	..	...	...	...	. .
Bankura ...	Bankura ...	..	2	..		...		6·1		..	...	...	2		...	...			..	.	...	...	219·1	...	.	...	..	...	...	..	...	...
Birbhum ...	Soori ...	...	2	..	...	...	...	17·8	...		...	...	1	...	..	..	...	1	...		...	...	298·9	...	.	...	. .	36·8	...	...	...	...
Midnapore ..	Midnapore ..	1	13	1	...		333·2	26·1	7·2	...	...	...	4	...	3	1	..	...	3	3	1	...	279·9	...	41·6	17·1	...	...	28·1	41·9	25·2	...
Hughli, including Serampore.	Hughli and Chinsurah.	...	21	6	...	...	.	43·2	50·6	...	...	...	7	1	1	2	1	1	...	...	1	13	453·3	23·4	18·0	41·9	29·7	8·4	...	...	20·0	326·1
	Serampore ..		33	1	.		...	68·0	55·4		...	...	4	5	1	2	3	3	6	5	1	4	223·0	144·0	20·7	46·8	71·5	20·0	62·8	77·1	27·2	149·5
	Utterpara	.	4	...		..	...	39·1	...	...	.	.	..	...	1	.	.	2	..	1	...	...	...	...	111·6	...	...	10·4	..	74·2	...	. .
Howrah ...	Howrah	...	18	9	...	..		13·7	22·8	...	...	...	10	3	1	.	3	4	1	1	..	4	252·1	28·2	8·3	.	21·3	9·2	2·7	4·4	.	55·5
	Bali	.	6	1	.	..	...	23·3	39·7	..	...	...	...	...	3	1	..	1	1	...	1	...	...	...	146·3	43·8	...	15·5	18·6	...	49·6	...
24-Pergunnahs.	Cossipore-Chitpore	...	27	9	..	...	...	76·8	59·4	...	...	...	4	5	3	1	1	4	5	4	2	7	4·51	294·8	199·0	20·6	57·2	21·9	40·6	83·1	106·9	777·8
	Manicktollah ...	...	7	2	...	...	..	21·8	9·1	...	.	.	3	2	1	...	...	...	2	...	...	1	2,516·1	759·1	321·0	...	...	...	12·8	...	...	54·9
	Baranagore ...												Return not received up to date.																			
	South Suburban ...												Ditto ditto.																			
Nuddea ...	Krishnagar ...	...	4	2	...	...	..	11·2	12·6	.	...	...	...	...	...	...	...	2	...	2	2	...	...	..	...	.	...	21·6	...	31·9	49·4	...
	Ranaghat	...	3	...	...	...	...	21·3	...	...	...	...	2	...	...	...	1	...	...	...	...	...	502·4	. .	...	...	83·5	...	. .	.	.	...
	Santipore	...	2	2	...	...	...	5·0	11·8	...	...	...	1	...	...	...	1	...	...	1	1	...	61·5	...	..	...	23·4	...	...	14·8	22·6	...
Jessore ...	Jessore	1	2	2	.	..	321·0	23·1	27·2	...	.	.	1	..	...	...	...	2	...	2	...	...	268·0	...	...	...	...	51·6	..	99·0	...	...
Murshedabad.	Berhampore ...												Return not received up to date.																			
	City Murshedabad	...	9	4	...	..	...	20·6	13·1	...	..	..	2	2	2	2	...	.	2	1	1	1	136·3	42·2	30·2	36·2	..	...	14·3	8·9	14·6	16·8
Khulna ...	Khulna	...	2	1	...	.	...	32·6	17·1	...	...	...	...	.	...	...	.	1	...	...	...	2	..	...	...	...	..	48·5	...	...	...	330·3
Dinajpore ...	Dinajpore ...	...	3	5	...	...	...	25·7	40·6	...	...	...	3	1	1	...	1	...	1	..	...	1	757·3	60·2	41·5	...	51·2	...	21·0	...	...	81·4
Rajshahye .	pore Beauleah	...	9	9	...	...	...	47·2	47·7	...	...	...	6	1	3	...	2	1	...	1	2	3	768·5	36·7	75·0	...	62·6	12·5	..	21·2	83·8	108·0
Rungpore ...	Rungpore ...	...	3	7	.	...	...	24·1	54·8	..	.	.	1	...	...	...		3	1	...	5	...	223·2	...	...	..	...	40·3	18·9	...	353·7	...
Bogra ...	Bogra	...	2	3	...	...	...	39·0	45·0	...	...	...	1	1	...	...	...	1	1	1	...	...	379·6	101·3	...	...	...	39·4	48·6	76·6	...	...

District	Station																														
Pubna ...	Pubna ...	...	4	6	...	...	...	29·2	38·5	...	...	3	1	...	1	1	1	1	...	...	2	392·9	35·7	...	37·7	42·3	17·9	20·8	...	...	104·5
	Serajganj ...	Return not received up to date.																													
Darjeeling ...	Darjeeling	...	14	...	...	...	...	158·5	...	...	...	...	10	2	...	...	...	1	...	...	1	...	808·7	177·3	...	...	...	36·3	...	...	307·7
Julpaiguri ...	Julpaiguri...	...	1	1	...	...	...	12·2	14·3	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	57·4	...	...	...	...
Dacca ...	Dacca ...	...	16	8	...	...	...	20·6	10·6	...	...	3	2	...	...	3	2	3	1	3	7	82·2	14·1	...	...	21·4	6·8	13·4	6·2	32·9	65·3
	Narainganj	...	8	4	...	...	...	65·8	33·8	..	...	3	...	...	1	...	...	4	1	...	3	559·1	...	...	45·8	...	...	97·2	87·3	...	233·3
Faridpore ...	Faridpore	...	4	...	...	..	...	38·9	...	...	..	1	1	...	...	...	1	...	...	...	1	222·2	41·7	...	...	...	28·0	...	...	...	70·2
Backerganj ...	Barisal ...	...	4	2	...	...	...	34·4	15·2	.	..	-	2	.	...	.	1	1	1	1	...	...	122·2	...	...	...	16·4	20·8	34·2	58·3	...
Mymensingh ..	Nasirabad	...	1	2	...	...	...	6·9	14·7	...	.	1	...	...	...	...	...	...	2	...	...	235·3	...	...	...	...	...	...	59·0	...	...
Chittagong ...	Chittagong	...	...	2	...	...	...	...	6·8	...	...	..	1	...	...	...	...	...	1	...	...	...	26·4	...	...	...	...	...	23·0	...	...
Noakhali ...	Sudharam	...	...	1	...	.	..	...	20·6	...		...	...	...	...	..	...	...	1	...	...	...	...	...	...	...	...	...	101·8	...	...
Tipperah ...	Comillah ...	1	2	3	...	...	429·8	17·5	21·1	.	...	2	2	...	...	...	...	1	1	...	...	...	350·2	79·5	...	...	...	18·8	26·1	...	...	...
Patna ...	Patna City	...	59	17	...	...	...	25·8	21·6	..	...	8	17	5	3	5	12	3	6	7	10	96·5	60·6	15·4	10·8	23·3	21·7	6·7	16·6	25·8	37·7
	Behar ...	...	16	9	...	...	..	24·7	30·5	...	..	1	9	...	2	...	2	1	2	6	2	35·0	80·8	...	21·7	...	12·3	7·4	20·2	86·2	28·9
Gya ...	Gya ...	...	49	12	...	...	...	42·5	38·8	.	...	13	9	4	2	...	6	5	5	5	12	377·7	73·7	29·7	15·5	...	21·2	20·4	26·6	39·6	121·3
Shahabad ...	Arrah ...	Return not received up to date.																													
	Buxar ...	...	4	1	...	...	...	15·0	14·5	...	...	1	1	...	.	1	1	...	...	1	...	125·3	30·2	...	...	47·5	16·3	...	...	47·2	...
Mozufferpore...	Mozufferpore	...	15	8	...	...	..	26·0	33·3	...	...	5	4	1	1	2	5	2	...	3	...	272·3	51·5	11·6	13·1	34·3	30·3	14·9	...	48·0	...
Durbhanga ...	Durbhanga	...	15	7	...	...	...	16·1	20·7	...	...	2	9	3	3	1	1	...	1	2	...	66·8	61·5	19·9	28·1	12·9	3·9	...	7·0	23·7	...
Sarun ...	Chupra ...	...	40	9	...	...	...	52·5	39·3	...	...	8	14	8	5	4	3	...	...	1	6	294·8	141·0	69·8	51·9	59·9	16·9	...	...	12·6	91·7
Chumparun ...	Motihari ...	...	6	1	...	...	...	44·5	18·8	...	..	1	...	1	...	2	..	2	...	1	...	379·6	...	47·1	...	155·9	...	70·2	...	55·7	...
Monghyr ...	Monghyr ...	...	51	10	...	...	...	59·3	41·4	...	...	3	14	8	5	7	4	3	6	1	10	105·1	117·0	58·9	45·4	96·4	20·1	17·5	49·0	13·1	145·0
	Jamalpore	..	14	2	...	...	...	74·1	33·5	..	.	3	5	1	2	...	...	3	...	1	1	439·4	170·7	30·1	88·4	...	...	61·7	...	75·9	78·0
Bhagulpore ...	Bhagulpore	...	32	12	...	..	...	34·0	33·1	..	...	11	9	2	2	1	2	1	4	3	9	399·6	72·1	14·7	14·3	10·5	8·0	4·7	27·2	30·8	108·8
Purneah ...	Purneah ...	...	...	2	..	...	...	–	18·4	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	15·8	...	28·0	...	...
Maldah ...	English Bazar	...	5	2	...	...	...	35·8	20·2	.	...	1	1	2	1	...	1	1	..	...	...	176·3	54·6	69·3	42·1	...	22·6	24·2	...	...	...
Sonthal Pergunnahs.	Deoghur ...	...	1	...	...	...	.	6·7	...	...	..	...	...	...	...	...	..	1	...	...	...	...	...	...	...	...	...	32·4	..	...	...
Cuttack ...	Cuttack ...	Return not received up to date.																													
Poori ...	Poori ...	...	16	...	..	...	.	33·9	...	..	..	3	1	...	2	1	3	1	1	1	3	514·9	28·9	...	55·4	28·0	29·5	12·8	15·6	23·3	86·4
Balasore ...	Balasore ...	...	7	...	...	..	.	21·6	...	...	...	3	1	.	..	...	1	...	..	.	2	291·9	27·9	..	.	...	12·7	...	...	...	89·8
Hazaribagh ...	Hazaribagh	Return not received up to date.																													
Lohardugga ...	Ranchi ...	..	8	...	...	...	..	45·2	..	...	...	...	...	2	1	.	..	3	2	...	...	...	...	47·0	25·7	...	...	50·8	57·3	...	..
Singbhum ...	Chaibassa	..	2	..	..	...	...	20·3	.	...	.	...	.	..	..	..	...	...	1	...	1	...	...	...	..	...	..	...	*52·5	...	285·7
Manbhum ...	Purulia ...	...	5	...		...	...	33·4	.	...	...	4	...	...	...	...	...	...	...	...	1	1,175·1	...	...	...	...	...	...	.	...	151·8
	TOTAL	3	588	158	...	..	14·1	30·7	23·4	...	.	135	135	59	41	42	76	63	62	57	169	215·0	57·5	21·1	16·5	20·3	13·5	13·4	19·2	29·4	66·9

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 22nd September 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra, for the month of July 1891.

Date.	Distance. / Miles.	River Ganges. Mirzapur. From Allahabad ... 80. Height over zero.	Mirzapur. Height over mean sea-level.	Benares. From Allahabad ... 134. Height over zero.	Benares. From Mirzapur ... 48. Height over mean sea-level.	Buxar. From Benares 90. Height over zero.	Buxar. Height over mean sea-level.	Dinapur. From Benares 177. Height over zero.	Dinapur. From Buxar ... 87. Height over mean sea-level.	Monghyr. From Benares 287. Height over zero.	Monghyr. From Dinapur 110. Height over mean sea-level.	Sahebgunge. From Benares 381. Height over zero.	Sahebgunge. From Monghyr 94. Height over mean sea-level.	Rampore Beauleah. From Benares 471. Height over zero.	Rampore Beauleah. From Sahebgunge 90. Height over mean sea-level.	Goalundo. From Benares 591. Height over zero.	Goalundo. From Rampore Beauleah ... 120. Height over mean sea-level.	River Bhagiruthee. Berhampore. Height over zero.	Berhampore. Height over mean sea-level.	River Jellinghee. Sarupgunge. Height over zero.	Sarupgunge. Height over mean sea-level.	River Brahmapootra. Gowhatty. Height over zero.	Gowhatty. Height over mean sea-level.
1st ...	...	2·08	208·30	1·17	197·97	1·33	170·38	14·00	148·23	6·50	108·35	3·67	71·67	4·46	46·46	13·58	22·52	8·58	42·32	6·92	11·22	21·60	170·36
2nd ...	...	2·08	208·30	1·17	197·97	1·25	170·30	14·20	148·43	7·50	109·35	4·92	72·92	4·62	46·62	13·58	22·53	9·00	42·74	6·83	11·13	21·20	169·96
3rd ...	...	2·00	208·22	1·17	197·97	1·25	170·30	14·40	148·63	7·92	109·77	6·17	74·17	5·17	47·17	13·75	22·69	9·92	43·66	7·25	11·55	21·10	169·86
4th ...	...	1·83	208·05	1·17	197·97	1·33	170·38	14·80	149·03	8·00	109·85	7·17	75·17	6·50	48·50	14·00	22·94	10·58	44·32	7·75	12·05	22·20	170·96
5th ...	...	1·83	208·05	1·17	197·97	1·25	170·30	15·20	149·43	8·42	110·27	7·92	75·92	7·58	49·58	14·42	23·36	11·25	44·99	8·83	13·13	22·90	171·66
6th ...	...	2·59	208·81	1·00	197·80	1·42	170·47	16·00	150·23	9·17	111·02	8·58	76·58	8·83	50·83	14·92	23·86	12·00	45·74	10·83	15·13	24·10	172·86
7th ...	...	2·50	208·72	1·50	198·30	1·25	170·30	16·30	150·53	10·25	112·10	9·58	77·58	9·50	51·50	15·50	24·44	12·75	46·49	12·83	17·13	25·20	173·96
8th ...	...	2·75	208·97	1·75	198·55	1·17	170·22	17·00	151·23	10·75	112·60	10·58	78·58	10·17	52·17	15·92	24·86	13·25	46·99	13·25	17·55	25·50	174·26
9th ...	...	3·17	209·39	1·83	198·63	1·42	170·47	17·10	151·33	11·00	112·85	11·08	79·08	10·93	52·93	16·25	25·19	13·75	47·49	13·67	17·97	25·40	174·16
10th ...	...	4·00	210·22	2·17	198·97	1·50	170·55	16·80	151·03	11·17	113·02	11·58	79·58	11·50	53·50	16·83	25·77	14·17	47·91	13·67	17·97	25·80	174·56
11th ...	...	4·25	210·47	2·75	199·55	1·67	170·72	16·50	150·73	10·83	112·68	11·58	79·58	12·00	54·00	17·42	26·36	14·58	48·32	13·67	17·97	25·90	174·66
12th ...	...	4·33	210·55	3·08	199·88	2·00	171·05	16·00	150·23	10·33	112·18	11·50	79·50	12·00	54·00	17·75	26·69	14·58	48·32	13·58	17·88	25·70	174·46
13th ...	...	4·67	210·89	3·08	199·88	2·00	171·05	15·40	149·63	9·75	111·60	11·08	79·08	11·83	53·83	17·75	26·69	14·46	48·20	13·08	17·38	25·50	174·26
14th ...	...	5·00	211·22	3·50	200·30	2·92	171·97	15·20	149·43	9·08	110·93	10·75	78·75	11·58	53·58	17·75	26·69	14·21	47·95	12·87	17·17	25·40	174·16
15th ...	...	5·50	211·72	4·00	200·80	2·92	171·97	15·30	149·53	8·75	110·60	10·42	78·42	11·23	53·23	17·67	26·61	14·00	47·74	12·42	16·72	25·40	174·16
16th ...	...	5·58	211·80	4·33	201·13	3·08	172·13	16·00	150·23	8·92	110·77	10·25	78·25	11·25	53·25	17·50	26·44	13·79	47·53	12·17	16·47	24·80	173·56
17th ...	...	5·50	211·72	4·50	201·30	3·42	172·47	16·20	150·43	9·58	111·43	10·42	78·42	11·17	53·17	17·50	26·44	13·71	47·45	11·83	16·13	24·40	173·16
18th ...	...	5·42	211·64	4·50	201·30	3·67	172·72	16·60	150·83	10·33	112·18	11·00	79·00	11·34	53·34	17·50	26·44	14·17	47·91	12·58	16·88	24·70	173·46
19th ...	...	5·50	211·72	4·67	201·47	3·75	172·80	17·20	151·43	10·75	112·60	11·58	79·58	11·92	53·92	17·42	26·36	14·42	48·16	13·50	17·80	25·00	173·76
20th ...	...	8·00	214·22	5·17	201·97	3·83	172·88	18·30	152·53	11·08	112·93	11·92	79·92	12·25	54·25	17·33	26·27	14·83	48·57	14·08	18·38	24·60	173·36
21st ...	...	9·00	215·22	7·00	203·80	4·00	173·05	18·40	152·63	11·75	113·60	12·17	80·17	12·43	54·43	17·33	26·27	14·92	48·66	14·42	18·72	24·10	172·86
22nd ...	...	8·50	214·72	7·25	204·05	5·17	174·22	19·20	153·43	12·00	113·85	12·58	80·58	12·63	54·63	17·33	26·27	15·08	48·82	14·33	18·63	24·00	172·76
23rd ...	...	8·17	214·39	7·00	203·80	5·92	174·97	19·00	153·23	12·50	114·35	12·92	80·92	12·83	54·83	17·33	26·27	15·21	48·95	14·17	18·47	23·80	172·56
24th ...	...	9·50	215·72	7·25	204·05	5·92	174·97	18·60	152·83	12·58	114·43	13·25	81·25	13·12	55·12	17·42	26·36	15·46	49·20	14·00	18·30	23·70	172·46
25th ...	...	11·50	217·72	9·75	206·55	6·08	175·13	18·40	152·63	12·33	114·18	13·50	81·50	13·42	55·42	17·67	26·61	15·75	49·49	14·00	18·30	23·40	172·16
26th ...	...	12·67	218·89	10·00	206·80	7·25	176·30	18·50	152·73	12·17	114·02	13·50	81·50	13·50	55·50	17·83	26·77	15·92	49·66	14·17	18·47	23·40	172·16
27th ...	...	13·08	219·30	11·33	208·13	9·00	178·05	19·00	153·23	12·25	114·10	13·25	81·25	13·42	55·42	17·83	26·77	16·04	49·78	14·43	18·73	22·90	171·66
28th ...	...	13·50	219·72	12·00	208·80	9·92	178·97	20·60	154·83	12·75	114·60	13·50	81·50	13·50	55·50	17·83	26·77	16·17	49·91	14·83	19·13	22·80	171·56
29th ...	...	15·17	221·39	13·00	209·80	10·42	179·47	21·10	155·33	14·50	116·35	14·25	82·25	13·83	55·83	17·83	26·77	16·42	50·16	15·17	19·47	22·60	171·36
30th ...	...	16·42	222·64	15·00	211·80	11·58	180·63	20·90	155·13	14·92	116·77	15·25	83·25	14·67	56·67	17·83	26·77	17·17	50·91	15·93	20·23	22·40	171·16
31st ...	...	17·17	223·39	15·00	211·80	13·17	182·22	21·10	155·33	15·00	116·85	15·75	83·75	15·21	57·21	17·83	26·77	17·42	51·16	16·53	20·83	22·40	171·16

CALCUTTA,
The 22nd September 1891.

G. A. G. SHAWE,
Under-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 19th September 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 19th September 1891.			Week ending Saturday, the 20th September 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	778	1,63,435	2,761	313	65,600	1,074
Jute	122	38,535	725	240	89,970	1,663
Firewood	116	63,025	961	125	61,900	948
Other articles	934	2,38,465	3,341	911	2,25,210	3,288
Total ...	1,950	5,08,460	7,788	1,589	4,42,680	6,993

NALHATI STATE RAILWAY.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of August 1891, as compared with the same month of the previous year.

Staples	1890.		1891		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1891.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	204	......	1,089	......	204	1,089	795	......
Cotton, raw	......	......	5	......	......	5	5	......
Cotton piece-goods—								
1.—European	......	......	3	......	......	3	3	......
Grains—								
2.—Rice	166	25	86	14	191	100	......	91
3.—Gram	......	2	2	......	2	2	......	......
4.—Others	69	1	97	2	70	99	29	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	......	4	......	4	4	4	......	......
b.—Undressed	......	......	......	1	......	1	1	......
Jute—								
2.—Gunny-bags and cloths	1	......	......	1	1	1	......	......
Lac—								
1.—Stick	......	1	......	......	1	......	......	1
Metals—								
4.—Others	......	2	2	2	2	4	2	......
Oils—								
1.—Castor	3	......	3	......	3	3	......	......
2.—Kerosine	5	2	2	3	7	5	......	2
3.—Others	......	......	2	......	......	2	2	......
Oilseeds—								
2.—Mustard and rape	107	......	93	3	107	96	......	11
6.—Others	......	......	3	......	......	3	3	......
Provisions—								
1.—Ghee	1	......	5	......	1	5	4	......
3.—Others	3	3	......	17	6	17	11	......
Paper and pasteboard	......	......	2	......	......	2	2	......
Railway plant and rolling-stock	18	5	3	......	23	3	......	20
Salt	81	......	69	......	81	69	......	12
Silk, raw—								
2.—Indian	1	9	1	2	10	3	......	7
Silk piece-goods—								
2.—Indian	......	......	......	3	......	3	3	......
Spices—								
2.—Others	......	......	1	......	......	1	1	......
Sugar—								
1.—Drained	......	......	8	......	......	8	8	......
2.—Undrained	23	......	5	......	23	5	......	18
Tobacco	......	......	21	......	......	21	21	......
Timber	17	2	16	......	19	16	......	3
All other articles of merchandise	57	16	65	25	73	90	17	......
Total ...	846	72	1,583	77	918	1,660	907	165

INCREASE.

	Tons.
Coal	795
Due to decrease in last month.	
Grains—	
(4) Others	29
Chiefly due to greater import of indigo seed.	
Provisions—	
(3) Others	11
Due to exports of vegetables.	
Tobacco	21
Imported this year owing to high bazar rate at Moorshedabad.	

DECREASE.

	Tons.
Grains—	
(2) Rice	91
Due to less export on account of local rate being high.	
Oil-seeds—	
(2) Mustard and rape	11
Less imported owing to dull market.	
Railway plant and rolling-stock	20
Due to less materials carried during the month.	
Salt	12
Carried by boat.	
Sugar—	
(2) Undrained	18
Less imported owing to dull market.	

R. G. MOOKERJEE,
Manager, Nalhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 12th September 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	237,157	2,37,083 1 0	24,80,071 20	5,69,927 3 0	14,067 5 0	8,21,077 9 0	72,927	96,807½	169,734½
Or per mile of railway	......	155 6 7	.....	373 9 7	9 3 7	538 3 9	......	......	...
For previous 10 weeks of half-year	2,366,129	23,58,292 4 0	2,12,60,850 20	50,93,237 9 3	1,38,762 8 0	75,90,352 5 3	693,885½	894,447½	1,588,333½
Total for 11 weeks ...	2,603,286	25,95,375 5 0	2,37,49,922 0	56,63,224 12 3	1,52,829 13 0	84,11,429 14 3	766,812½	991,255½	1,758,068
Comparison.									
Total for corresponding week of previous year	232,072	2,32,080 12 2	19,53,156 30	4,26,588 15 9	15,244 3 10	6,73,913 15 9	61,136	79,075	140,211
Per mile of railway corresponding week of previous year ...	......	152 2 2	......	279 10 3	9 15 10	441 12 3	......	......	......
Total to corresponding date of previous year	2,416,992½	23,84,886 7 3	1,99,93,652 10	44,04,415 5 2	1,76,998 15 5	69,66,300 11 10	682,328	828,131	1,510,459

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 12th September 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	8,868	4,374 15 0	37,996 30	2,810 12 0	47 0 0	7,232 11 0	959	637	1,596
Or per mile of railway	155	76 7 9	664 20	49 2 3	0 13 2	126 7 2	......	......	......
For previous 10 weeks of half-year	92,004	44,511 3 0	5,13,461 20	31,388 3 0	373 0 0	76,272 6 0	9,395	7,064	16,459
Total for 11 weeks ...	100,872	48,886 2 0	5,51,458 10	34,198 15 0	420 0 0	83, 05 1 0	10,354	7,701	18,055
Comparison.									
Total for corresponding week of previous year	9,763	4,731 15 8	28,248 30	1,'42 2 0	22 9 0	6,096 10 8	1,094	502	1,596
Per mile of railway corresponding week of previous year ...	171	82 11 7	494 0	33 15 3	0 6 4	117 1 2	......	......	......
Total to corresponding date of previous year	100,444	50,124 3 4	3,41,536 10	21,190 0 0	379 5 0	71,693 8 4	11,230	6,022	17,252

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for the week ended 12th September 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,824	4,224 2 0	6,257 10	247 9 0	8 0 0	4,479 11 0	910	67	968
Or per mile of railway	......	189 13 7	......	11 2 0	0 5 9	201 5 4	......	......	......
For previous 10 weeks of half-year	171,773	41,072 2 0	49,921 30	1,722 12 0	112 0 0	42,906 14 0	8,734	792	9,526
Total for 11 weeks ...	189,597	45,296 4 0	56,179 0	1,970 5 0	120 0 0	47,386 9 0	9,635	859	10,494
Comparison.									
Total for corresponding week of previous year	18,543½	4,304 9 11	5,205 30	—252 15 0	8 9 9	4,050 4 8	921	47	968
Per mile of railway corresponding week of previous year ...	......	193 7 6	......	—11 5 11	0 6 2	182 7 9	......	......	......
Total to corresponding date of previous year	180,520½	43,151 5 7	51,223 30	1,781 10 0	58 5 6	44,991 5 1	9,876	487	10,362

[REGISTERED No. 29.]

No. 39 of 1891.

SUPPLEMENT TO
The Calcutta Gazette.

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CONTENTS.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE CHITTAGONG DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS No. 1159.

Darjeeling, the 21st September 1891.

RESOLUTION.

READ—

The Annual General Administration Report of the Chittagong Division for 1890-91.

Tours and inspections.

The post of Commissioner was held during almost the whole year by Mr. D. R. Lyall, C.S.I., but he was absent for two short periods on privilege leave and on special duty in the Lushai Hills, and on 2nd March he took furlough and made over his office to Mr. Oldham. These changes interfered somewhat with the Commissioner's tours, which occupied only 54 days in the year, a most insufficient period. The two outlying sub-divisions in the Tippera district, and that in the Chittagong Hill Tracts, were not visited at all. The Lieutenant-Governor considers it necessary that every sub-division should be visited by the Commissioner as well as by the District Officer at least once a year.

The districts of Chittagong and Tippera were thoroughly gone over by their respective Collectors, as also was that of Noakhali, thanks chiefly to the energy of Mr. D. J. Macpherson, who took over charge on the 30th December, and proceeded to visit all parts that had not been seen by his predecessors. One of the latter seems to have neglected his duties by not moving from head-quarters during the five months he held the district. The tour of the Sub-divisional Officer of Cox's Bazar only extended to 45 days. The district offices of Chittagong and Tippera were fully inspected by the Collectors, but the inspection of the Noakhali office was left incomplete. The Lieutenant-Governor desires it to be understood that he expects all officers to conform to the standing orders which require them to make half-yearly inspections of their offices.

Weather and crops.

2. The chief features of the year were the heavy rains up to the end of October, and the continued drought from that time to the third week in February, followed by excessive rain up to the end of March. The result was a poor *rabi* crop, and a general average of 15 annas on the autumn and winter rice crops combined. The cultivation of jute was somewhat extended owing to the previous crop having been a good one: but in the year under review the outturn, though fair on the whole, did not come up to the expectations at first formed, and the price exhibited a most remarkable fall, described by the Commissioner as "unprecedented, and telling on many branches of the Administration." The rapid decline of the price of this product may almost be said to be the key-note of the report, and appears constantly as an explaining factor of various phenomena, but no attempt is made in the Report to arrive at the causes which led to it. Broadly speaking, it would appear to have been due to over-production arising from a favourable season in the preceding year.

Public health.

3. The town of Chittagong was attacked by a severe epidemic of small-pox, which spread to the interior of the district, raising the total number of deaths from that disease as returned from 3 in the previous year to 363. Some figures have been submitted by the Civil Surgeon, which show the percentage of fatal cases on total cases to have been only 4·4 where patients were protected by vaccination, against 38·0 where there was no such protection. The data for these figures are rather doubtful, but it is very unsatisfactory to find that 34 people who were asserted to have been successfully vaccinated a short time before should have died of small-pox. This must have increased the prevalent prejudice against the efficacy of vaccination, and, as a natural consequence, it is reported that inoculation was very largely resorted to. This is not the only case in which complaints have been received as to the quality of the lymph supplied by the Vaccination Department.

A more important item in the health of the division, as affecting the public generally, is the increase, especially in the last three years, in the mortality from fever. The figures are as follows:—

	1888-89.	1889-90.	1890-91.
Chittagong	17,472	20,287	22,958
Noakhali	17,487	21,368	22,816
Tippera	19,104	23,209	25,650
Total ...	54,063	64,864	71,424

The remarks of Mr. Macpherson, the District Officer of Noakhali, on this subject are worth quoting, although they do not attempt to explain the facts. They are as follows:—

"The district seems to be going from bad to worse as regards fever. The recorded mortality this year is higher than it has ever been, and it has almost doubled within the decade. No doubt part of the increase is due to increase of population and better registration, and this is sufficient to account for nearly all the increase observable up to three or four years ago; but within the last three years there is a sudden increase of 63 per cent. over the average of the preceding three years that must be almost entirely attributed to deterioration in the material condition of the district. The recent deterioration is observable in every part of the district, but in the islands more than on the mainland, and in the central part of the district more than in the Feni and Lukhipur directions. In every thana, except two, the mortality was greater this year than last."

In spite of this mortality the population goes on increasing, and has now risen to the height of 948 per square mile in some parts of the division Apart from this liability to fever, the material condition of the people throughout the division appears to betoken general prosperity.

Trade and Commerce.

4. The sea trade of the Port of Chittagong shows a slight falling off in comparison with the preceding year (the best on record), as will appear from the following table:—

	Number of vessels entered	Tonnage.	Value of trade.
			Rs.
1889-90	2,048	477,560	3,16,96,588
1890-91	1,977	446,922	2,87,72,255
Decrease ...	71	30,638	29,24,333

The decrease was due to the decline in jute exportation. The decrease in export of this commodity alone, the greater part of which may be assumed to be by sea, is calculated at 126,610 cwt, valued at Rs. 21,16,198.

It is reported that the Kutubdia light is not sufficiently powerful. The matter had long been under consideration in the Public Works Department of this Government, and another full-powered light has been obtained which will obviate all complaints.

The course of trade in Tippera was only remarkable, as in the case of Chittagong, for a large falling off in the transactions in jute. The Commissioner writes that the price of jute in Tippera fell from Rs. 5-8 to Re. 1-8 a maund: that in some places the cultivators are reported to have left the jute uncut in consequence, but that no actual distress was felt, though the extraordinary fall affected considerably the revenue administration of the district.

Civil and Criminal Justice.

5. Much inconvenience is said to have been felt for want of an officer exercising magisterial powers on the Island of Sandip. The matter is at present under the consideration of Government, and arrangements will shortly be made to provide an officer vested with magisterial powers. The formation of the new frontier district, the South Lushai hills, and its transfer to the frontier police, were virtually effected during the year.

From the following table, which gives the figures of suits instituted in the Civil Courts, it will be seen that there was a decline both in number and value as against the preceding year:—

	Number.	Value.
		Rs.
1889	55,870	39,65,508
1890	53,363	31,66,403
Decrease ...	2,507	7,99,105

The decrease was consistent throughout as regards the different classes of suits, with the exception of title and miscellaneous suits which increased slightly in number, though without a corresponding increase in the value. The prosperity of the people and the "extraordinary state of the jute market" are the alleged causes of the decrease. The slight increase in title suits is said to be due to the fact that the Civil Courts have held that transfers of occupancy rights by sale are invalid without the landlord's consent—a decision which has induced the landlords in Tippera to institute suits contesting such transfers. The Commissioner has rightly pointed out that the decrees of Civil Courts do not run in the Hill Tracts, and has stopped the custom of executing them as a matter of course. It is very important to preserve the simplicity of this frontier district, and to protect it from the invasion of technical law.

There was a slight increase in cognizable and non-cognizable crime, from 15,713 to 16,894 cases, and a considerable improvement in the percentage of convictions.

The reports on some of the Honorary Magistrates are not favourable, and it appears that the Magistrates in this division, headed by the late Commissioner, view their work with disfavour, and wish to confine it in consequence as much as

possible. The Lieutenant-Governor agrees with Mr. Oldham that the way to improve the character of the Benches is to extend their powers where practicable, and so make them feel their responsibility. In the one district of the division in which complaints have been made over to Honorary Magistrates for preliminary sifting, the experiment is reported to have been successful.

Census.

6. The Magistrates of each of the three regulation districts of the division speak with unmixed satisfaction of the conduct and results, as far as those results can be at present estimated, of the late census operations. The desire of the voluntary agency to carry out the work successfully is spoken of with appreciation, and it appears that the opportunity to turn the operations into a means of fraud and extortion was made use of only to a very limited extent, and in the one case specifically mentioned, with very disastrous effects to the culprits, who were convicted, and the ringleader sentenced to four years' imprisonment.

Registration.

7. An increase is shown of 10,875 documents or about 7 per cent. Such small fluctuations do not require explanation, and it is unnecessary to attempt to explain them by good harvests or fall in the price of jute or rice.

Land Revenue administration.

8. The figures given with reference to the collection of land revenue are insufficient. The collections in the Chittagong district were bad, being only 89·1, presumably on the total current and arrear demand. The balances are described under three classes—I, II and III, but there is nothing to show what these classes are. In future reports the current demands and realizations, the arrear demands and realizations, and the balances of each kind should be clearly set forth together, district by district, in one statement. It is observed that the percentage of balance under class III, which is believed to mean Government estates, is as high as 16·40. The Lieutenant-Governor regards this large balance as very unsatisfactory.

Survey and Settlement.

9. The Chittagong settlement operations were in charge of Mr. Slack throughout the year. The survey of thana Ramu in the Cox's Bazar sub-division was completed, and the draft records of rights of 43 villages, and the final records of 12 villages, were published, the cost incurred being just over eight annas per acre for both survey and settlement. In the Sudder sub-division 687 square miles were traversed, and 482 cadastrally surveyed, and records prepared of 74 villages comprising 43,666 acres. The increase of revenue from the operations in the two sub-divisions has been estimated at Rs. 1,52,000.

Wards' estates.

10. Figures should be given showing the demand and collections, current and arrear, with balances, for each estate under the Court of Wards. The statistics in the report are very slight. It appears that in Chittagong the two most important Wards' estates are those of the Chakma Chief and of Latifa Khatun. In these the percentage of collections on the current demand were fair, but there are large balances outstanding. In Noakhali it is reported that the percentages of collections on the demand have decreased, but no figures are supplied from which any idea of the balances can be formed.

Excise and Stamps.

11. The Excise revenue in the district of Chittagong shows a decline of no less than Rs. 16,520, namely, from Rs. 1,49,798 in 1889-90 to Rs. 1,33,278 in the year now dealt with. The Commissioner writes—"The whole of this is due to the decrease in the opium revenue. Though the Collector gives no explanation of this continued decrease, it is clearly due to the same cause which reduced the revenue in 1888-89, *i.e.*, the restriction of sales all over the district, so as to prevent smuggling into Arakan." The decrease referred to by the Commissioner was in 1889-90 (not in 1888-89), and amounted to Rs. 49,250, being then accounted for in almost the same words. The Lieutenant-Governor observes that in 1888-89 there was an increase in the Excise revenue of Rs. 23,102 in this district, and the report on that year stated as follows:—"The large increase in Chittagong is almost entirely due to opium, and is the result of a series of orders restricting the quantities sold. Government loses the price of the decreased quantity sold, but gains by the higher license fees." The subject is one of importance to the Chittagong Excise

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 15th August 1891	10,683	0	0
Corresponding period of 1890	10,231	0	0
Increase	452	0	0
	Rs.	A.	P.
Receipts per mile for week ending 15th August 1891...	209	7	6
Corresponding period of 1890	200	9	10
Increase	8	13	8
Receipts from 1st July to 15th August 1891	69,945	0	0
Corresponding period of 1890	46,478	0	0
Increase	23,467	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 22nd August 1891	10,548	0	0
Corresponding period of 1890	7,290	0	0
Increase	3,258	0	0
Receipts per mile for week ending 22nd August 1891	206	13	2
Corresponding period of 1890	142	15	3
Increase	63	13	11
Receipts from 1st July to 22nd August 1891	80,493	0	0
Corresponding period of 1890	53,769	0	0
Increase	26,724	0	0

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DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 12th September 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	13,233	9,695 15 0	37,572 0	8,057 2 0	55 0 0	17,808 1 0	7,122½	1,223½	8,346
Or per mile of railway	......	59 13 8	......	49 11 9	0 5 5	109 14 10	......	......	......
For previous 10 weeks of half-year	137,842	94,527 14 0	3,70,117 0	65,034 7 0	521 0 0	1,60,083 5 0	53,933½	14,029½	67,963
Total for 11 weeks ...	151,075	1,04,223 13 0	4,07,689 0	73,091 9 0	576 0 0	1,77,891 6 0	61,056	15,253	76,309
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 5th September 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	77,420	29,040	2,28,300	27,510	7,770	64,320	12,064	13,304	25,368
Or per mile of railway	107·38	40·28	316·64	38·15	10·78	89·21	......	...	......
For previous 8¾ weeks of half-year	714,840	2,90,700	27,37,500	3,33,400	*a* 69,730	*a* 6,93,830	95,383	128,005	223,388
Total for 9¾ weeks ...	792,260	3,19,740	29,65,800	3,60,910	77,500	7,58,150	107,447	141,309	248,756
Comparison.									
Total for corresponding week of previous year on 691 miles open	*b* 76,937	27,010	*b* 2,80,609	33,898	7,200	68,108	11,745	11,186	22,931
Per mile of corresponding week of previous year...	111·34	39·09	406·09	49·05	10·42	98·56	......	......	......
Total to corresponding date of previous year	*b* 710,901	2,47,587	*b* 24,67,307	2,77,499	61,334	5,86,400	111,442	115,387	226,829

a Includes Rs. 1,860 being Ajodhya and Bahram ghât bridge earnings from 1st July 1891 to 29th August 1891 previously left out.
b Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 5th September 1891.	Week ending 6th September 1890.	Week ending 5th September 1891.	Week ending 6th September 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	13,700 0 0	13,678 0 0	15,340 0 0	13,332 0 0
Goods	14,040 0 0	14,323 0 0	13,470 0 0	19 576 0 0
Other earnings	4,200 0 0	3,629 0 0	3,570 0 0	3,570 0 0
Total ...	31,940 0 0	31,630 0 0	32,380 0 0	36,478 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs. A. P.
Approximate earnings for week ending 8th August 1891	11,540 0 0
Corresponding period of 1890	7,326 0 0
Increase	4,214 0 0
Receipts per mile for week ending 8th August 1891	226 4 5
Corresponding period of 1890	143 10 4
Increase	82 10 1
Receipts from 1st July to 8th August 1891	59,262 0 0
Corresponding period of 1890	36,247 0 0
Increase	23,015 0 0

administration, and demands more accurate consideration than appears to have been given to it.

The Division shows also a decrease of Rs. 40,650 in the revenue from court-fee stamps; this decrease, which is only 4 per cent. on the whole receipts, does not require explanation. One District Officer ascribes it to agricultural prosperity: another to agricultural depression, *i.e.*, to the often quoted collapse in jute.

Education.

12. In the Resolution on the report for the year 1888-89, the paragraphs under the head of Education were declared to be far from satisfactory. The Lieutenant-Governor regrets to observe that the present report shows no improvement in this respect. The figures given are disconnected, insufficient, and, as far as the several districts are concerned, quite devoid of uniformity, and fail to convey any idea either of the extent, or of the progress or retrogression of the different grades of education. The report should show clearly the number of schools of each class and the number of pupils, both in the year reviewed and in the preceding year, or even the four previous years. With this object a set of tables will be prescribed in subsequent orders.

It is gathered from the present report that on the whole education, both of boys and girls, has made fair progress. The Commissioner observes that the stipendiary pathsalas are said by the Magistrate of Tippera to be the most efficient, and that this opinion is shared by nearly all Magistrates. The Government is opposed to an extension of the system of purely stipendiary payments, and prefers the plan of giving a very small stipend, not exceeding Rs. 2, as a retaining fee, and supplementing it by a payment for the results obtained in the examination of the pupils

The increase in the Chittagong Hill Tracts, from 16 schools with 255 pupils to 36 schools with 537 pupils, is noticed with pleasure.

Hospitals and dispensaries.

13. The figures given regarding the dispensaries at Chittagong and Cox's Bazar are not those by which the working of those institutions are usually tested, and a suitable set of tables will be prescribed for next year's report. The Lieutenant-Governor sees with pleasure that the Chittagong District Board are maintaining a Lady Doctor for the hospital at the district head-quarters. The District Board of Tippera is doing excellent work in this direction; no less than ten local dispensaries having been opened during the year at their expense, aided by local subscriptions, of which a fixed amount is made a *sine quâ non*. In Noakhali the District Board does nothing towards dispensaries. The Lieutenant-Governor agrees with the Commissioner that the Sadar dispensary should at least receive some support from that quarter. On the other hand this Board, like that of Chittagong, has provided for medical attendance to women.

Conduct of zemindars.

14. The Lieutenant-Governor will be glad to learn the outcome of the public-spirited offer of the Nawab Faizanessa Saheba to build a female hospital in Comilla under the auspices of the Lady Dufferin Fund, and desires to express his high appreciation of the good work this lady has performed during the year in subscribing Rs. 1,000 to the above Fund, and in defraying the whole expenses of a local dispensary near her own residence.

15. The Lieutenant-Governor desires to express his thanks to Mr. Lyall and his successors in office for their careful administration of the Division. A copy of the remarks on the characters of the other officers will, as usual, be forwarded to the Appointment Department of this Government.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE BURDWAN DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS No. 1158.

Darjeeling, the 21st September 1891.

READ—

The General Administration Report of the Burdwan Division for the year 1890-91.

The Burdwan Division had the advantage of being in the hands of one officer, Mr. Toynbee, throughout the year. In most of the districts also the continuity of administration was greater than usual. It is well known that it is the desire of Government to avoid constant changes in divisional and district appointments, but circumstances from time to time render transfers of charge unavoidable.

Tours.

2. The Commissioner was on tour for 107 days and visited every district, and all the sub-divisions but one. The District Officers of Bankoora failed to make proper tours, but the officer chiefly responsible has left the service. In Midnapore the brief deficiency in the Collector's tour was attributable to illness. The separate report promised in regard to the touring of the Sub-divisional Officer at Raneegunge is awaited. The Lieutenant-Governor attaches great importance to well arranged touring: he looks on the periods of touring laid down as irreducible minima, and he will not overlook any failure to fill up these periods in future. Officers should understand that they are expected to tour at intervals throughout the year, and not only in the cold weather. The failure on the part of certain District Officers to inspect their offices has been noticed by His Honour, and explanations will be separately required. Constant inspections of the work of subordinates is essential, if it is to be kept up to date and irregularities are to be prevented.

Weather, crops and public health.

3. The rainfall was generally above the average and in most districts well distributed, so that the crops, and especially the rice harvest, were successfully garnered. The estimated outturn of the rice is given at nearly 16 annas for the division, a marked improvement on 9 and 13 annas of the two preceding years. The average price of rice for the division is stated to have been 16 seers 7 chittacks the rupee, an improvement by a seer from the previous year, but not so favourable as the rate of 18 seers 11 chittacks in 1888 89. The wages of labour remain stationary. The public health is said not to have deteriorated. An increase in the number of deaths in Howrah is accounted for by better registration, while an outbreak of small-pox in the Sudder station of Midnapore caused 2,486 deaths. As there was a decrease in the number of persons vaccinated in this district, these circumstances require special investigation. There was no unusual physical distress in the division, but the Commissioner regrets that even in this division, where civilization is considered to have made more progress than elsewhere, there is a low standard of personal comfort, and that the people do not possess the faculty of advancement. The Lieutenant-Governor does not share this regret. What the country requires is thrift and the widely-distributed accumulation of capital, and he considers that nothing could be more disastrous at the present stage than a general desire for a more expensive mode of living.

Trade and manufactures.

4. There were the usual fluctuations in the outturn of various articles of trade and manufacture, for which it is impossible to assign any single dominating cause. Thus in Burdwan the value of the silk produce fell from Rs. 1,67,333 to Rs. 1,47,935; it diminished also in Bankoora: in Beerbhoom, on the contrary, the quantity rose from 32,000lbs. to 35,050lbs; and in Midnapore the increase of the last two years was again sustained. Stick-lac in Bankoora fell from 26,500 maunds to 15,000. The Burrakur Iron Works, under a private company, employed 1,200 hands, and turned out pig-iron and castings valued at Rs. 6,13,066 against Rs. 5,40,000 of the previous year. The returns furnished by the proprietors of the several Iron Works at Howrah are incomplete and should have been properly filled up. Cotton cloth was produced in Burdwan to the same extent as last year, but in Hooghly the outturn was not 25 per cent. of that in 1889-90. The

Burdwan coal mines have not maintained the large output achieved in that year, but they still employ about 12,600 work-people. A reduction in the rate of freight of coal is said to be the desideratum. The export of lime for this district also diminished by half—from 9,40,326 to 4,66,815 maunds. It would have been more satisfactory if the trade in food-grains had been examined for the whole division systematically, as it is impossible to draw general conclusions from the remarks recorded for the districts separately; such as "the exports of cereals show a slight increase"—"there was a further falling off in the export of rice"—"there has been a brisk trade in rice"—"more rice was imported." The Commissioner will be asked to treat this subject in a more comprehensive manner in his next report.

Administrative changes.

5. There were no important changes in the administrative arrangements of district work during the year. Two Magisterial Benches in Bishenpore and Bankoora were made independent, and certain powers were conferred upon the Bankoora and Tumlook Honorary Magistrates. The termination of the Joint-Managership of the Burdwan Raj Estate, upon Mr. Reily's transfer to the Orissa Survey and Settlement, took place during the year, leaving Lala Ban Behari Kapur sole Manager with two assistants. The number of Mahomedans in superior service in the division has decreased from 460 to 356, but this is evidently the result of a revision of the classification in the Hooghly district, where the number in superior service is said to have fallen from 195 to 60, while those in inferior service are 241 as compared to 141 in 1889-90. On the whole the Mahomedans hold 21·56 per cent. of the appointments, though they are only 15·21 of the population. It should be thoroughly understood by this time that Government are desirous that Mahomedans should receive a fair share of the appointments, but cannot insist on their being given appointments for which they are not qualified by education.

Police.

6. There was a decrease in cognizable and an increase in non cognizable crime. The Commissioner attributes this result to the prosperity of the year, which gave the people more time and more money to spend on vexatious litigation, and caused them to commit fewer offences against pr p rty. The variations in the statistics depend to some extent on the personal views of the different officers, otherwise there is no reason why, for instance, the proportion of false cases reported should be 1·8 in one district and 9·9 in the next. Some explanation might have been given of the fact that in Burdwan the Sessions trials show 81·4 per cent. as acquittals. The Police administration in Bankoora is described as unsatisfactory by the Commissioner, who has special experience of the subject and will doubtless continue to give it his special attention. The Government of India have approved the recommendations of the Police Committee for making police service more attractive in Burdwan and Hooghly, which were adopted by this Government; these recommendations were to raise the pay of the last grade of constables, to increase the clothing allowance, to give recruits a free kit, and to abolish the superannuation subscriptions. The Lieutenant-Governor does not expect as much from the rural as from the regular police, but he looks to District Officers to make the best they can of the material at their disposal. He notices with pleasure the account again furnished of the constant supervision given by Mr. Munro, District Superintendent of Police in Midnapore, to the village police, and of his system of distributing rewards for good work on their part.

Criminal Justice.

7. In this division there are 459 Honorary Magistrates who afford great help to the administration. They disposed of 9,157 out of 24,641 cases decided in the year. The majority of the cases may be petty and the orders non-appealable, but the fact that native gentlemen can be found ready and willing to give their time to such work is encouraging, and the Commissioner writes favourably of the work they perform. The irregularity of their attendance, however, requires correction, and the opening of attendance registers is a step in the right direction. The balance of outstanding fines in the division has fallen from Rs. 35,274 to Rs. 29,195. This is a matter which requires continual check by comparison of the court and thana registers. The Lieutenant-Governor presumes that Commissioners and District Officers in their inspections of subordinate courts insist on the Deputy Magistrates scrutinizing the fine balances regularly.

The Lieutenant-Governor notices the absence from the Commissioner's report of statistics of criminal justice, such as are supplied *mutatis mutandis* for civil justice. He desires that in each future report a statement may be furnished as an appendix to the report, showing for each sub-division the number of cases disposed of by each paid and Honorary Magistrate. When all the divisional reports for 1890-91 have been reviewed, orders will be issued regarding the form in which they are to be cast, and the tabular statements they are to contain in future.

Land Revenue.

8. The percentage of total collections of the land revenue has increased from 93·48 to 95·17, but the balance outstanding amounted to Rs. 4,07,768, which the Lieutenant-Governor considers anything but satisfactory. The arrears amounted to Rs. 3,04,520 in Midnapore, where the ryots are said to have suffered considerably from bad seasons and defective drainage; and to Rs. 79,025 in Burdwan, for which no reason but floods has been assigned. It should always be stated clearly whether these balances are due from permanently or temporarily-settled estates, or from Government estates. The Lieutenant-Governor has recently taken measures, which he trusts will have the effect of diminishing these balances, as they have led to unfavourable comments on the land revenue administration of a province for the most part permanently settled. He intends to support the Revenue authorities in requiring the proper observance of the kist day as the last day of payment. His Honour has lately had an opportunity of inspecting the drainage accounts in Hooghly, and has given the necessary orders for the exercise of proper supervision. The collection of only 69 per cent. of the canal water-rates due in Midnapore, leaving a balance of Rs. 68,624, and requiring the issue of an enormous number of certificates, is a serious matter in which improvement must be effected. The irrigation from the Eden canal fell, in consequence of a good rainfall, from 29,080 to 3,989 bighas. The landlords' fees payable on transfers of certain tenures under the Tenancy Act are to a large extent, it has been ascertained, refused by the landlords, and therefore paid into deposit. This addition to the number of petty sums dealt with in the accounts affords a new source of embezzlement, and it is important that District Officers should be warned of this and required to scrutinize the registers and subsidiary cash-books carefully from time to time. The remittances of land revenue by money-order rose from 21,000 for Rs. 1,34,044 to 24,956 for Rs 2,3·,062; these facts afford testimony that the system may be regarded as well established and popular. A similar system for the payment of rent has made a commencement with 7,776 orders for Rs. 66,455.

Settlements and Government estates.

9. The Lieutenant-Governor was already aware that the Survey and Settlement of the Burdwan Raj khas mehals have not progressed satisfactorily. There was much friction between the ryots and the Raj people, and neither the Managers nor the Settlement Officers can be said to have handled the cases properly. He joins in the hope expressed that the Hukumapore and Sujamutha settlements will be concluded before long. The operations, owing to delay and mismanagement, have proved very expensive.

Stamps, Income-tax, and Excise.

10. The Stamp revenue increased by Rs. 11,253, mainly in judicial stamps, and the income-tax demand by Rs. 10,627. "The tax," it is said, "is coming to be regarded as an institution, and people are beginning to find out that it is better to pay and have done with it, than to pay fees and costs on vexatious objections." The excise revenue has fallen off by Rs. 69,806 in consequence of the abolition of the outstill system; but separate figures are not given to show what the fall in the revenue from country spirits was, and whether the revenue was at all recouped from other items. In one district an alarm of illicit manufacture on a large scale has been raised, but more specific information is required. It has been found necessary to allow some outstills in jungly tracts where illicit distillation cannot otherwise be prevented.

Communications.

11. No important original works have been undertaken, and the tramway between Jagatballabpur and Ampta in the Howrah district has still to be commenced. The Commissioner writes that repairs continue to swallow up the greater part of the income of District and Local Boards, leaving little to be spent on

original works. But this statement is not quite borne out by his own figures, which show Rs. 1,18,055 expended on original works, and Rs. 3,93,769 on repairs. With regard to the state of the roads, the only fact mentioned is that in Burdwan they are considered to have deteriorated. The allotments for village roads were cut down, and the expenditure fell from Rs. 34,710 to Rs. 30,818. The Lieutenant-Governor is aware of the danger of money being wasted on these small paths. But an allotment from the District Fund often acts as a nucleus for public subscriptions, and it is very undesirable that expenditure on village roads should be altogether stopped.

Education.

12. The schools and scholars increased in numbers in four out of the six districts of the division. There were 2,542 more scholars in Bankoora, entirely in schools under the District Board, and there was a small increase in primary schools. The girls' schools rose in number from 269 to 291, but the girls upon the rolls were 6,696 as compared with 7,659 in 1889-90. The diminution was chiefly in Hooghly, viz., from 2,371 to 1,137. The Lieutenant-Governor would be glad next year to have a fuller review, as well as fuller statistics, of the primary education of the division for which the District Boards and District Officers are more particularly responsible. It is not satisfactory to hear of a falling off in Midnapore a second year, and no suggestions appear to have been made for the application of a remedy there or in Beerbhoom. Sonthali education in Midnapore seems also to be retrogressing; three of the four training schools for gurus have been closed there, and, as the Commissioner remarks, the performance of the Midnapore college students in the University Examinations was not particularly creditable to that institution.

Local Self-Government.

13. The Commissioner finds a difficulty in expressing any decided opinion on the present aspects of Local Self-Government in his division. He is right in his view that the controlling officer will do most good by co-operation without interference, and the Lieutenant-Governor attaches great importance to the timely exercise of tact and influence on the part of those to whom the people, even in the most advanced districts, will probably long continue to look for guidance and advice. At the same time he will insist on local bodies invested with statutory powers recognising and fulfilling their responsibilities, and he expects Commissioners and District Officers to inspect the working of municipalities closely, to examine into their assessments, collections and expenditure, and to bring to the notice of Government important cases in which powers are abused, and opportunities of doing good public work are neglected. The Lieutenant-Governor has noticed with dissatisfaction the defective report referred to by the Commissioner in his paragraph 164.

The Magistrate of Hooghly has reported the keen interest taken by the public in the municipal elections and in the selection of persons for nomination, and has favourably mentioned the following persons :—"Baboo Lalit Mohan Singh, Vice-Chairman of the District Board; Baboo Shib Narain Mookerjee, Chairman of the Utterpara Municipality; Dr. Barker, late Chairman of the Serampore Municipality; Baboo Eshan Chunder Mitter, re-elected Chairman of the Hooghly Municipality; and Baboo Nalinaksha Bose, Rai Bahadur, re-elected Chairman of the Burdwan Municipality and Vice-Chairman of the District Board—most of whom have been before commended."

The drainage works contemplated in Howrah and Serampore and approaching completion in Howrah and in Utterpara should prove very beneficial to those localities. Sir Charles Elliott will always be ready to lend such assistance as Government can properly afford to such undertakings.

Miscellaneous.

14. It is stated in the report under review that some of the Rural Sub-Registrars on the line of rail are said to be too fond of closing their offices and running down to Calcutta without leave. It is not clear whether Mr. Veasey believes this assertion to be true, and endeavours should be made to verify rumours current in such matters.

It appears that no free licenses were issued under the Arms Act for the purpose of destroying wild animals. The views of the Government of India on the subject of the loss of life from wild animals have been promulgated, and Sir Charles Elliott desires that more attention may be paid to this subject in future.

The Commissioner's observations on the subject of cattle-pounds are important and should lead to the adoption of the necessary remedies. He writes:—

"It cannot be said that the subject of pounds is at present on a satisfactory footing. With an increase in their number in every district but Bankoora, the receipts have risen nowhere, and the Local Boards, which now usually manage them, have not shown themselves successful. There is a want of care in selecting farmers, and recklessness, in Burdwan at least, in opening new pounds, which does not speak well for the supervision. With fifty more pounds open there is actually less money received, and there has probably been a good deal of speculation. This is one of the results of the system of farming, nor is it the only bad one."

Conduct of zemindars.

15. In Bankoora land is changing hands owing to the involved condition of the zemindars. The Commissioner rightly observes, with reference to Midnapore and the agrarian troubles there, that it is not always the landlord who is in the wrong. The recalcitrant character of the ryots in parts of this district has long been notorious. The Lieutenant-Governor would have been glad if the Commissioner, following the practice of his predecessors, had singled out by name the zemindars deserving of favourable notice, and desires that this practice may be adopted in future.

16. Mr. Veasey, having joined since the close of the year, has been unable to write his report from personal experience. Next year the Lieutenant-Governor will look to him to write with fuller knowledge, and to supply the statistics asked for above and a general review of the division as a whole, which will make his report more interesting. The remarks on the characters of officers will be communicated, as usual, to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF TH PATNA DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS No. 1202.

Darjeeling, the 24th September 1891.

READ—

The General Administration Report of the Patna Division for the year 1890-91.

The Patna Division was administered by Mr. C. C. Stevens and Mr. Kemble, each of whom held charge for just six months. Mr. Stevens' report deals sufficiently with every topic of any interest or importance, and would in some parts have been improved by condensation. Where he has furnished figured statements, he should also have had the totals added up for the division. Two Collectors, Mr. Bourdillon and Mr. Blyth, were almost continuously in charge of Saran and Champarun, respectively, but Patna had 2 changes and the other 4 districts had 3 changes each during the year; in 8 cases out of 16 the Sub-divisional Officer was not changed.

Tours.

2. The Commissioner being comparatively new to the division judiciously devoted himself to the inspection of head-quarters and sub-divisional offices, rather than to travelling through agricultural tracts, and did as much as could be expected during the time available. Mr. Currie's tour of only 50 days was altogether insufficient, and the excuses made for him are misplaced. It is surely unusual for a District Officer in Behar to allow himself to be beaten back twice in January

and March by stress of weather. The Collectors of Mozufferpore should have managed between them to complete the prescribed period of touring. With these exceptions, all the District and Sub-divisional Officers conformed with the standing orders. The Lieutenant-Governor does not wish to hamper them by definite orders whether they should make constant short excursions or long slow progresses. He expects them to inspect all their offices thoroughly and to spend the required period in camp. The varying circumstances of the season and the work in hand will determine the method and order to be pursued better than any rigid rules. It may not be possible for every Collector to inspect in detail the whole of his district each year, but any portion omitted one year should be visited during the next year if possible. The Lieutenant-Governor looks to District Officers to keep themselves thoroughly informed of all that is going on, whether they can actually go to each locality or not. The office inspections were deficient in Patna and Sarun; in the latter case sufficient explanation has been given. There is ample time during the remainder of the year for all officers to comply with the rules in force, and Sir Charles Elliott expects that they will be duly observed.

Weather, crops, public health, and condition of the people.

3. The rainfall was excessive both as compared with the average and with the previous year. The Commissioner's summary of the distribution of the rainfall is useful. Speaking generally, the past year opened favourably, but the rainfall in July was excessive, and the damage done to the Indian-corn and other bhadoi crops was very great. For the rice, however, the rain was very favourable; but in Sarun there were extensive floods, and in that district alone there was a really bad crop; in other tracts it was good and in some excellent. The cold weather crops were in most districts sown under favourable circumstances, and, though late in some parts, may be said as a whole to have promised well. But there was a good deal of untimely rain in March, which especially injured the opium and those crops which ripen earliest, and (more particularly in the southern districts) heavy storms of rain and hail of unusual size did great damage.

Some interesting figures are given to show the enormous value of the poppy crop to the ryots of the Sarun district, in which three-fourths of the poppy fields were double-cropped, producing early rain-crops as well as opium. The general result of the crops was an estimated outturn, on an average per district, of 10 annas of wheat and pulses as compared with 14 and 11 annas in 1889-90, and an average of 13½ annas of rice—the same as in 1889-90. The failure of the early rain-crop (the bhadoi) was severely felt, but importations of grain were large and kept down prices. Influenza was epidemic throughout the division. Mr. Stevens apparently has little faith in vital statistics, as it is uncertain whether the fluctuations reflect the variations of diseases or the activity of the recording agency. There was a marked increase of mortality from cholera, and small-pox also was rife, but it is said to be often confounded with measles. The registered death-rate in the towns is very high, indicating the necessity of proper drainage and improved water-supply. The condition of the people is said to have been affected by the failure of the *bhadoi* crops, and to have improved with the better results of the other harvests. It is very satisfactory to read Mr. D'Oyly's testimony, from an experience ranging over 32 years, of the amelioration of the poorer classes in Behar, which he ascribes, notwithstanding the increased density of the population, to the movement of the labouring classes for employment, and to the effect of the railway. The unprecedented floods in Sarun in August 1890 devastated about 600 square miles of country, necessitated relief works and agricultural advances, and inflicted damage which the ryots will require time to recover.

Trade, commerce, and manufactures.

4. In the Resolution on the Commissioner's Annual Report of last year, some notice was taken of the Collector of Gya's views on the subject of Government interference with the grain trade in times of scarcity. It appears difficult to convince Mr. Grierson of the unsoundness of the policy he advocates, viz., that because, in his opinion, trade is not really free, Government should checkmate the "corners" which the grain-dealers form. Mr. Stevens very properly describes this policy as mischievous and short-sighted, and only to be justified by extraordinary circumstances, such as the want of communications.

There is no fact more established by general experience in India than the readiness of traders to use any mode of communication, but more especially the railways, in order to throw in supplies where the crops have, more or less, failed. District Officers therefore must not expect, and traders need not fear, interference on the part of Government. A useful statement is furnished of the outturn of manufactures. The yield of indigo fell again from 55,440 to 50,206 maunds. There was also much less sugar produced. In spite of the weather, however, there were larger operations in saltpetre—crude, dissolved, and refined. There is probably a mistake, due to a misprint or other cause of error, in the conflicting statements in two different passages that tobacco is manufactured in Gya to the extent of 7,45,000 maunds or 51,000 maunds, although no tobacco is grown in Gya. In the absence of registration, no great reliance can be placed on the trade returns, and it is very probable that much of the traffic is counted more than once. The statistics of the Nepal trade, which are perhaps more to be trusted than others, show some curious fluctuations. The food-grains imported from that country have risen considerably; also the piece-goods and the cash to pay for the jewellery exported from India; but the imports of timber have fallen enormously. The exports to Nepal have also generally decreased, apart from the jewellery just mentioned. The attention of the Excise Department will be invited to the large export of 25,086 maunds of mahua across the frontier.

Crime, police, and criminal justice.

5. There has again been a slight increase in the cognizable offences in the calendar year, viz., from 28,383 to 28,844; but as non-cognizable offences have fallen by 639 cases, there is a net decrease of 178 cases in the division. The incidence of cognizable crime to population varies from 1 case to 248 persons in Patna to 1 case to 699 persons in Mozufferpore. The views expressed by the Commissioner in favour of the institution of prosecutions under section 211, Indian Penal Code, for false charges do not accord with those expressed by the Lieutenant-Governor in paragraph 12 of his recent Resolution on the Police Report for 1890, where he stated his objection to such prosecutions, except in the rare cases where the charges appear to be wickedly and maliciously false. He desires to encourage and forward the attempt to reclaim the Maghya Domes by keeping colonies of them under surveillance, but the success of the experiment is doubtful if they frequently contrive to leave the colonies for the purpose of thieving. The accounts of the chowkidars in Sarun and Durbhunga show in the one case considerable delay in their payments, and in the other a reprehensible absenteeism. In both respects the irregularities should be corrected. The conduct of the regular police is favourably reported on: their work might have been noticed at greater length. The number of persons brought to trial before the Magistrates increased from 39,840 to 40,090, and resulted in a fair proportion of convictions, viz, 62·8 against 61·9. A variety of causes acting in different directions combine to produce this result. Petty conservancy cases improve the percentage of convictions, whereas the absence of complainants, the compounding of offences, or press of work operate for acquittals.

Land revenue.

6. The increase in the number of estates by 876 in one year, due almost entirely to partitions, is a serious matter. It does not immediately affect the revenue demand, but it adds largely to the work of the officers and their establishments: so also the opening of 2,040 separate accounts in the year throws a heavy burden on the offices. The question whether some limit should not be applied to the facilities afforded for the separation of estates and accounts is engaging the attention of Government. The collections of the division as a whole amounted to 93·6 on the total demand—almost the same percentage as last year (93·8). There was evidently laxity in the Patna district. Bad weather in March, the unsuitable date of the March kist, the census and the floods in Sarun are other excuses offered for shortcomings. The Lieutenant-Governor hopes to find a considerable improvement in future years. The collection of only 78 per cent. of the Road cess demand is altogether inadequate. The use of money-orders for remittances of revenue continues to develop as much as can be expected. It has been properly held by the Board that a payment into a money-order office on the latest day is not equivalent to a payment into the treasury, and therefore does not protect the estates from sale for

arrears. Any other ruling would have caused immense confusion, whereas it is easy for zemindars to pay by money-orders in time to satisfy the requirements of the law. The statement that the sale laws have been worked very leniently must be read in conjunction with the figures of the arrears. A just requirement of the Government demand comes before leniency. Mr. Stevens has made some important remarks on the complaints of the inefficiency of the certificate procedure, and is right in attributing the fault to the officers rather than to the system. The Lieutenant-Governor fully concurs in his view that the registers are not sufficiently used as helps in controlling the progress of the work. The subject has attracted His Honor's attention on tour, and an improved form of Register 10 has been suggested. Full use has not yet been made of the Tenancy Act anywhere, the receipts required by the Act are by no means generally adopted, and the ryots are learning their rights but slowly. The relations between landlords and tenants are so far good that, with few exceptions, no serious manifestations of ill-will have been exhibited. The proposal for a general survey and record of rights throughout the division, which has been under consideration for the last two or three years, has assumed a more definite shape since the close of the year. The arrangement for the liquidation of the heavy debts due from the Deo Encumbered Estate to the Maharaja of Durbhunga is creditable to all concerned.

Miscellaneous revenue.

7. The excise revenue fell by Rs. 2,62,035 in the division, of which almost the whole loss, viz., Rs. 2,57,410, was under the head of country spirits. For this result various causes are assigned, of which the combination of the abkars against the present policy of Government is doubtless the chief; but the raising of the upset prices, which caused a large diminution of the number of shops from 930 to 638, must have conduced to this result. The stamp revenue shows a decrease of Rs. 63,401 compared with last year, almost entirely on account of court-fee stamps, fewer civil suits having been instituted. The final demand on account of income-tax fell from Rs. 3,97,664 to Rs. 3,96,698, but the collections were only 88 per cent. of the demand, leaving an outstanding balance of Rs. 57,858. The lateness of the assessment is attributed to the deputation of the assessing staff and Deputy Collectors to census work. This is another illustration of the way in which the census interferes, or is alleged to interfere, with the ordinary work of the administration. There was no special complaint against the working of the Income-tax Act.

Irrigation.

8. The area irrigated by the Patna, Gya and Shahabad canals was less in 1890-91 than in either of the two preceding years. The collections in Gya and Shahabad were higher than before, reaching 70 and 83 per cent., respectively, though these figures are much lower than they should have been. But the collections from the Patna Canals were only Rs. 52,629, while the balance reached Rs. 93,744. There must be something very wrong about the procedure if year after year the arrears are not diminished and the current demand is not wholly realised, and it is not surprising to hear that probably a change of system will be necessary. The Commissioner should lose no time in probing this discreditable state of things to the utmost. The whole system of canals and irrigation has been framed on much too costly a basis for the country, and it is therefore the more incumbent on all connected with the management to realise the canal revenue demands as fully as possible. The Sarun Canals, of only 19 miles in length, have never paid their way, *i.e.*, the cost to Government has always exceeded the income guaranteed, and the guarantors have now declined to renew their engagement. An agreement, which will admit of the canals being kept partially open, has, however, been made with Mr. Reid of Maniari, who has always taken much interest in the scheme, and will soon be formally concluded.

Communications.

9. Considerable progress has been made during the year in respect of communications. A branch line to Sitamarhi was opened, and its extension to Maniari is still under construction. Sufficient waterway was not originally allowed in the embankment, and has had to be provided since. Various other branches are asked for by the people who show that they fully appreciate the advantage of railway travelling and actively criticise the management of the several lines. These criticisms are repeated and enforced by some District Officers who do not appear clearly to

recognise that a Railway is a commercial enterprise, and must be worked to ensure a profit on the capital involved. Better accommodation and more frequent trains imply greater expenditure, which would not always be remunerative. The complaint that "on occasions of gatherings or melas third class passengers are frequently conveyed in open trucks like cattle" is a striking instance of the unreasonable criticism to which Railway Companies are subjected in India. If the passengers do not like the trucks, they are not compelled to travel by them. If a Railway Company kept up an amount of rolling-stock equal to the maximum, not to the average, demand, a large part of that stock would be lying idle for most of the year and earning no return. The roads in Sarun were seriously damaged by the floods of August 1890, and the District Board have had to take a loan from Government for the repairs required. The floods in Durbhunga did similar damage. Several large works were under construction or in contemplation, such as the bridges on the Bukhtiarpur and Behar road (on which a steam tramway is proposed), the renewal of the old Poonpoon bridge, the Dhanarjee bridge on the Gya-Nowada road, the Lukhundya bridge at Sitamarhi, and in Durbhunga (a district which has always had large road cess funds) 138 new bridges and culverts were built at an outlay of Rs. 46,324, besides a number of new roads and the improvement of those in existence. There was a total outlay of Rs. 3,45,796 under district communications, and Rs. 84,302 on account of village roads. All the facts betoken a very proper activity in this department. Arboriculture has been specially regarded in Chumparun, where 26,960 trees were planted: most of these, however, were tar-trees which are more likely to give revenue than shade in time to come.

Education.

10. Education has made only a slight advance during the year. Of the small increase of 260 schools and 3,141 pupils, 243 schools and 2,177 pupils are under private management. Again, the census is said to have occupied the time of teachers as enumerators and inspecting officers as supervisors. The decadence of English schools from 64 to 55 is not necessarily to be regretted; for there are many who would not agree with the Commissioner that a partial and imperfect acquaintance with the English language is better than nothing. The improvement in female education recorded last year has not been maintained: the number of girls attending boys' schools should have been stated. The Mahomedans in the division showed themselves more interested in having their children taught at schools; and a beginning has been made with the aboriginal Thárus and the Maghya Dome boys. The Lieutenant-Governor trusts that in future this subject will receive fuller treatment in the annual report. The Commissioner has remarked that the ministerial officers are, as a rule, in efficiency and qualifications decidedly below the average of Lower Bengal, a result which he attributes in some measure to the limitation of appointments to Beharis, though he thinks the difficulty will gradually pass away as education advances. Sir Charles Elliott is desirous of having the work of the public offices improved very considerably: the increase of business demands better workmen or additional establishments. He will not add to the public expenditure when the better material is available, so that it remains for the Beharis to prove themselves fit for the preference which Government is prepared to show them for Behar appointments.

Local Self-Government

11. Mr. Stevens' general account of the District Boards shows that they continue to give little help to the executive, but are otherwise useful. He says:—

"The testimony of the District Officers regarding the working of these bodies continues to be favourable. In some cases the number of meetings held and the attendance of members have been scarcely sufficient: generally technical work and details have been left to the Chairman and the executive staff, while the Board have acted as a consultative and confirming body. In the districts in the interior of which Europeans reside much help is given by them in repairing local roads. Upon the whole the District Boards do quite as much work, and do it quite as well as I think could reasonably have been expected at the outset. I have always thought that the system would develop itself differently in different districts, and it is well that it should have sufficient elasticity to adapt itself to local conditions. The form which it has taken in this division, viz., that of a very strong executive combined with a consultative and sanctioning body, is that which seems most suitable, though the District Officer obtains in this way much less relief than in forward tracts in which there is a larger influential and educated population ready to undertake executive duties."

The contrast between a Local Board and a Municipality is crystallised in an epigram by the Sub-divisional Officer of Sewan. "The Local Board," he

writes, "delights in what may be called the demi-official mode of doing business, while the Municipality is nothing if not official." The Patna Municipality have under consideration a scheme for a regular system of drainage. This is a movement entirely in the right direction. But the Commissioners are said by the Magistrate to "divest themselves of most of their powers and duties, and delegate them to the Wards' Committees," who in their turn are afraid to enforce sanitary orders, under-assess the taxes, and then make large remissions. The Lieutenant-Governor agrees with the Commissioner that these Ward Committees ought to be an excellent machinery for carrying out local work, but with regard to the other complaints he trusts that a new order of things will soon be introduced. With regard to some of the minor municipalities, it is said that they spend too much on management and collecting establishment. The Commissioner should use his statutory powers to check such extravagance.

Conduct of zemindars.

12. The reports of the conduct of the zemindars are generally favourable, though they systematically neglect to grant receipts for rent. The Commissioner specially alludes to the astonishment with which, on returning to the locality after many years, he sees "the immense improvements which have been made through the good sense of the Maharaja of Doomraon and the ability and enlightenment of his Dewan, Babu Jai Prokash Lal." The Collector of Mozufferpore says that "among the most public spirited and liberal zemindars who hold lands in this district may be mentioned the Maharajas of Durbhunga, Bettiah and Hatwa, the Raja of Sheohar and the Nanpur Zemindar, Chaudhri Mahadeo Prasad." The Collector of Chumparun writes that "the Maharaja of Bettiah is a good landlord, and Mr. Gibbon, C.I.E., an admirable Manager." The Collector of Sarun says that "the Maharaja of Hatwa maintains his reputation as a careful and fair landlord." On the state of the important indigo industry Mr. Stevens remarks:—

"There have been no great questions connected with indigo-planting, but there have been a good many cases in which the planters or their assistants have been opposed riotously in cultivating newly-acquired lands; in one case a planter was dragged out of a police outpost by an angry mob. Still on the whole indigo-planting is said to be done more quietly and peaceably than elsewhere."

Miscellaneous.

13. Allusion is made by the Commissioner to a number of special subjects, such as the office accommodation at Patna, the want of houses at Durbhunga, and the inadequacy of the staff for the work of the districts, which should form the subject of separate references. In last year's Resolution a hope was held out that at the settlement of the next provincial contract it might be found possible to remedy to some extent the alleged dearth of officers. This matter continues to have the attention of Government.

14. The Lieutenant-Governor's acknowledgments are due to Mr. Stevens and Mr. Kemble for their administration of the division during 1890-91. The favourable notice recorded by the former of the services rendered by Mr. Forbes, Mr. Bourdillon, Mr. Marindin, Mr. Faulder, and Mr. Bernard is appreciated by Government. The Commissioner's observations on the merits of officers will be duly considered in the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

LIBERALITY OF RAJA RAJENDRO NARAIN ROY OF JAYDEBPUR.

GENERAL DEPARTMENT—EDUCATION.

Dated Darjeeling, the 25th September 1891.

RESOLUTION No. 253T—G.

READ—

Endorsement No. 5348, dated the 6th September 1891, and its enclosures, from the Director of Public Instruction, regarding the offer of Raja Rajendro Narain Roy of Jaydebpur to found a scholarship.

RAJA RAJENDRO NARAIN ROY of Jaydebpur, in the Dacca district, has offered to found a scholarship of Rs. 10 per month in memory of the late Pundit Issur Chunder Vidyasagar, on the following conditions :—

(1) That the scholarship be called the "Issur Chunder Vidyasagar Scholarship."

(2) That the scholarship be awarded to any boy who passes the Entrance examination from the Dacca Collegiate School, stands high in Sanskrit, and is considered otherwise a deserving youth by the Principal of the College.

(3) That the scholarship be tenable by the same boy in his career up to the Master of Arts class of the College, unless he forfeits it by failure in the University examination, or becomes entitled to any other scholarship under the rules of the institution.

Raja Rajendro Narain Roy has undertaken to pay the amount of Rs. 10 monthly through the Principal of the College for the first five years. After the expiration of that period he proposes to make over to Government a sum of Rs. 3,000 to be invested in Government securities, in order that the cost of the scholarship may be met from the interest on that sum.

The Lieutenant-Governor is pleased to accept the offer, and tenders his thanks to Raja Rajendro Narain Roy for his liberality. The Principal of the Dacca College should be the disburser of the money, as it is remitted to him by the Raja.

ORDER.—Ordered that a copy of the Resolution be forwarded to the Director of Public Instruction for information and for communicatian to Raja Rajendro Narain Roy.

Ordered also that a copy of this Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

EMPLOYMENT FOR STUDENTS OF THE SIBPUR ENGINEERING COLLEGE.

GENERAL DEPARTMENT—EDUCATION.

Darjeeling, the 25th September, 1891.

RESOLUTION No. 257T—G.

READ again—

The Resolution No. 294, dated the 21st April, 1891, recorded by this Government on the subject of the reorganization of the Sibpur Engineering College.

In paragraph 13 of the Resolution quoted in the preamble, it was stated—"The Lieutenant-Governor is also prepared to guarantee that four appointments in the upper subordinate grade of the Public Works Department shall annually be given to qualified students of the College who have graduated in Engineering at the Calcutta University, and successfully passed the subsequent period of practical training."

The intention of that paragraph was that the ordinary number of vacancies occurring annually in appointments of the above class should be filled from candidates educated at the Sibpur Engineering College, and it was calculated that on an average four vacancies occur every year: but it was not intended that Government should bind itself to a promise that so many as four vacancies will invariably take place every year for all future time. The Lieutenant-Governor accordingly directs that, for the above passage of the Resolution quoted, the following shall be substituted :—

"The Lieutenant-Governor is also prepared to direct that all appointments in the upper subordinate grade of the Public Works Department, made by the Government of Bengal, shall be made from students of the Sibpur Engineering College who have graduated in Engineering at the Calcutta University, and successfully passed the subsequent period of practical training."

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT FROM THE BOARD OF REVENUE ON THE ROAD AND PUBLIC WORKS CESS OPERATIONS FOR THE CESS YEAR 1890-91.

FINANCIAL DEPARTMENT—ROAD AND PUBLIC WORKS CESS.

Darjeeling, the 25th September 1891.

RESOLUTION.

READ—

The Report of the Board of Revenue on the Road and Public Works Cess Operations for the year 1890-91.

The Road and Public Works Cesses were levied at full rates during the year in all the districts of Bengal where Act IX (B.C.) of 1880 is in force, except in Backergunge, where for special reasons, which now seem to have spent their force, the Road Cess has all along been levied at half of the maximum rate, the full amount being collected in the case of the Public Works Cess. The following statement shows the main results of the working of the Cess Act for the last two years:—

		1890-91.		1889-90.
Current demand	Rs.	78,38,927	Rs.	76,60,539
Arrear demand (*a*)	„	18,35,056	„	18,04,134
Gross demand	„	96,73,983	„	94,64,673
Advance collections	„	2,60,179	„	2,26,121
Net demand	„	94,13,804	„	92,38,552
Total collections	„	76,84,012	„	77,54,684
Remissions	„	12,661	„	76,885
Net balance (*a*)	„	19,33,855	„	16,58,728
Percentage of collections on current demand	„	98	„	101·2
Number of revenue-paying estates assessed		245,458		238,023
Number of revenue-free estates assessed ...		117,900		116,143
Number of tenures assessed		12,58,247		12,47,160
Number of recorded sharers in estates ...		15,86,944		14,92,308
Number of recorded sharers in tenures ...		22,51,746		22,36,454
Current demand of land revenue ...	Rs.	3,78,59,395		......
Present gross rental	„	14,60,45,236		......
Gross rental at first assessment ...	„	13,11,68,432		... ..

(*a*) Excluding advance collections made in the current year on account of future years.

2. The arrear demand given above exceeds by Rs. 1,76,328 the figure shown as the net balance of the preceding year, the difference being due, as is explained by the Board, to revaluations of rent-free holdings with retrospective effect, revisions of assessment and adjustment of accounts. The percentage of arrear collections on arrear demand was 68·8 compared with 76·8 in the previous year, that of current collections on current demand being 81·8 against 82·2. In explanation of the increase of nearly three lakhs from Rs. 16,58,728 to Rs. 19,33,855 in the balances of the past year, the Board observe that the 28th and 29th of March were holidays, that the fifteen days' grace allowed to assessees under section 45 of the Act leads to payments being deferred until after the close of the year, and that difficulty is experienced in realising arrears under section 70 from rent-free holdings which had previously escaped valuation. But the two latter causes must have been in operation all along, and no reasons are given for thinking that they acted more powerfully in 1890-91 than in 1889-90; while it is doubtful whether the occurrence of two holidays at the end of March can have had any material effect on the collections. The great majority of assessees pay their cesses through revenue agents and mukhtars who are always on the spot, and who would have no difficulty in paying on the 30th March if the treasury happened to be closed on the 28th and 29th. It is possible, as the Board suggest, that the realisation of cesses is not in all districts pushed on with sufficient energy, and that delay occurs in issuing certificates; but the Lieutenant-Governor is inclined to think that the difficulties referred to are due in great measure to the extreme complexity of the existing arrangements for collecting not only cesses, but land revenue, and that a more thorough reform may be effected by altering the kist days, classifying estates on a more intelligible system, simplifying the land revenue roll, and possibly to some extent amalgamating with it some of the registers kept up under the Cess Act. The final settlement of these questions will, however, involve the consideration of a large mass of detail, and allowance must be made

for variety of practice in different districts, and for differences in their revenue history.

3. In the twenty-one districts included in the following list the arrear collections fell short of 90 per cent.—

	Percentage of current collections on current demand.	Percentage of arrear collections on arrear demand.
Burdwan	83·6	17·8
Shahabad	88·8	37·2
Moorshedabad	89·1	45·4
Bankoora	79·5	55·4
Pooree	96·1	58·6
Furreedpore	57·5	62·1
Gya	64·2	65·4
Chumparun	73·4	73
Khulna	83·9	73·7
Mozufferpore	72·1	74·3
Durbhunga	86·4	76
Jessore	73·1	76·9
Cuttack	88·1	78·6
Bhagulpore	90·1	80·2
Patna	74·4	80·9
Sarun	65·2	81
Hooghly	70·7	81·2
Monghyr	74·2	85·8
Noakhally	90·2	86·3
24-Pergunnahs	86·2	87·6
Balasore	91·3	87·8

It is stated in the Board's report that owing to the large number of rent-free holdings the arrear collections in Burdwan have been bad for some years past, and that frequent changes of the District Officer have prevented any continuous effort being made to realise these balances. In 1889-90 a sum of Rs. 65,896 was remitted in this district as irrecoverable, and it is now stated that Rs. 84,792 due from petty rent-free holdings has become barred by limitation, because coercive measures were not taken in time. The excuse put forward in explanation of these shortcomings is clearly inadequate. The process of getting in arrears of cesses is a purely mechanical one, and if any one of the District Officers referred to had organised the routine arrangements on a reasonable system it might have been trusted to work of itself under the supervision of a Deputy Collector.

4. The arrears in Shahabad are explained to have been due to the evasion of petty shareholders and to difficulties arising in connexion with the revaluation. As, however, the demand of the district has been raised from Rs. 2,89,644 to Rs. 3,67,393, the Lieutenant-Governor agrees with the Board in thinking that the total collections are not unsatisfactory. In Moorshedabad floods are said to have stopped collections. Bankoora pleads the difficulty of realising cesses from ghatwals and rent-free tenures.

5. In the following districts the arrear collections exceeded 90 per cent., but the current collections fell below that standard :—

	Percentage of current collections on current demand.	Percentage of arrear collections on arrear demand.
Manbhoom	77·7	99
Hazaribagh	78·7	99·9
Rajshahye	79·4	95·7
Midnapore	82·3	94·8
Backergunge	82·4	96·4
Dacca	84·8	91·7
Purneah	85·1	97·3
Tipperah	86·8	93·1
Dinagepore	87·2	99·9
Pubna	87·5	94
Nuddea	88·1	98·4
Mymensingh	88·7	94·8
Maldah	89·3	99·9

In Manbhoom and Hazaribagh, where the number of estates is small, the default of two large proprietors accounts for the short collections, and in the

former district nearly the whole arrear was realized shortly after the close of the year.

Burdwan again heads the list of districts in which arrears have become barred by limitation, and contributes Rs. 1,06,518 to the total of Rs. 1,08,535 shown under this head. It should be observed, however, that Rs. 21,726, included in the sum set down against Burdwan, represents an over-assessment reduced on objection, and cannot properly be included in the statement. The other districts show only small amounts under this head.

6. The number of districts in which both current and arrear collections exceeded 90 per cent. declined from twelve in 1889-90 to eight in the past year:—

	Percentage of arrear collections on arrear demand.	Percentage of current collections on current demand.
Singhbhoom	100	100
Bogra	100	94·8
Lohardugga	100	92·6
Julpigoree	99·7	90·9
Beerbhoom	96·8	90·1
Rungpore	96·5	90·9
Chittagong	92·6	91·8

7. Darjeeling as usual had no arrears to collect, and realised 99·8 per cent. of its current demand. The results in these eight districts are satisfactory, and show that the business of collection was carefully watched by the district officers. It must be observed, however, that, with the exception of Darjeeling and Singbhoom, none of the districts which have collected over 90 per cent. of their cesses have any special advantage in this respect over other districts in Bengal. If heavy districts like Chittagong and Rungpore, both of which have a large number of estates on their registers, can collect so large a proportion of their cess demand, it is difficult to see why a similar standard should not be worked up to throughout the Province.

8. The following statement illustrates the working of the certificate procedure during the last two years:—

	1890-91.	1889-90.
Certificates pending from previous year (a) ...	33,087	35,260
Filed during the year	59,942	71,076
Total for disposal	93,029	1,06,336
Cancelled on objection	573	932
Struck off	1,550	1,740
Fully discharged	59,746	70,443
Pending at close of year	31,160	33,221
Sales effected	629	583
Sales set aside	98	54

(a) Revised figures.

As usual, the number of certificate cases instituted was smallest (577) in Chota Nagpore, where cess business is comparatively simple, and largest in the Burdwan, Patna and Presidency Divisions, which show 15,968, 12,376 and 10,948 cases respectively. Among districts Hooghly shows the largest number 89,388, Durbhunga and Jessore follow with 4,913 and 4,887, Midnapore shows 3,624, Chittagong 3,261, and Patna 3,113.

9. The information given by the Board on the important subject of valuation and revaluation of estates and tenures for cess purposes is not so full as might be desired. Only eleven districts are noticed, and among the number no mention is made of two—Purneah and Pubna—where the Lieutenant-Governor inspected during his recent tour the valuations which were actually going on. At Purneah he carefully examined the procedure and recorded a note recommending several alterations both in the procedure and the form of the register; these suggestions are still under the consideration of the Board. It appears to be the practice to notice in the report only those cases in which operations have been brought to a conclusion and a completion report submitted to the Board; but the valuations in progress are those which more especially need to be brought to the notice of Government. Cess valuation is tedious work, involving the issue of many notices and the supervision of countless details, and from its nature it is peculiarly liable to drag on indefinitely, particularly when, as is often the case, it is in charge of a special Deputy Collector who holds that position only so long as the work

lasts. To future reports a statement should be added, showing separately the revaluations undertaken for entire districts and carried on by a special officer, and the revaluations of certain estates only conducted by the ordinary district staff. In this statement should be entered the increase estimated to be attained when the revaluation was sanctioned, the progress made during the year, the amount of work remaining to be done at the close of the year, and the date when it is expected to be completed.

10. In statement VI annexed to the report, the Board furnish some interesting statistics comparing the gross rental for 1890-91 as deduced from the returns under the Cess Act with the gross rental ascertained on the same basis when the Road Cess was first introduced. According to these figures the rental of Bengal has risen within the last fifteen years from Rs. 13,11,68,432 to Rs. 14,60,45,236, being a net increase of Rs. 1,48,76,804 or 11·3 per cent—an increase which corresponds pretty closely with the growth of the population during these fifteen years. This steady and persistent growth of the valuation of land, even at a period when so much has been done to check enhancements of rent, throws some light on the soundness of speculations which have been made as to the causes of the increase of the gross rental of Bengal since the time when the Permanent Settlement fixed the Land Revenue at Rs. 2,85,87,722, calculating it at eight-tenths of the gross rental. Of the recent increase the Board say in paragraph 43 of the report that it is attributable "to increase of rents, to greater care in ascertaining rentals on revaluation by insisting more generally on the submission of returns by proprietors and tenure-holders of every degree instead of valuing summarily, and to the valuation of a vast number of rent-free tenures which had previously been overlooked through want of information. It is impossible to say how far each of these general causes has operated, but it is probable that the last two have together contributed more to raise the total valuation than enhancements of rents." It may be added that, owing to the dearth of real statistical information concerning the rental existing at the time of the Permanent Settlement, it seems doubtful whether any comparison can profitably be made between the position and resources of the agricultural classes in those times and at the present day. Only eight districts in the whole of Bengal show a decrease of gross rental. In most cases the decrease is known to be due to transfers of areas from these districts to others, but in future years a brief explanation should be entered in the margin of the statement against those districts which show a decrease. Of the many cases of increased valuation which the statement contains, some are due to transfers, but most to the general causes mentioned above.

11. The names of the Deputy Collectors whose work is commended by the Board will be noted in the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts Bengal, as reported to Government, during the week ending the 26th September, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*		
BURDWAN DIVN.	1	Burdwan Sept. 26, '91 Culna ... Cutwa ... Raneegunge ...	0·39 0·67 0·98 0·71	Weather—cloudy and hot. Harvesting of *aus* nearly finished. Prospects of *aman* and sugarcane fair. More rain wanted. A few cases of cattle-pox. Supply of fodder and water sufficient. Prices of common rice :— Srs. Burdwan ... ... 16 Culna ... ... 14 Cutwa ... ... 16 Raneegunge ... ... 16 per rupee.
	2	Bankoora „ 26, '91	1·04	Weather—cloudy with occasional light showers and sunshine. Harvesting of *aus* continues. More rain wanted for *aman* crop. No deficiency of fodder or want of water reported. Condition of cattle generally good. Common rice selling at 18 seers per rupee at Sudder and 17½ seers at Bishenpur.
	3	Birbhum „ 26, '91 Rampore Haut ...	1·76 1·24	Much better rain this week, and it looks as if it would continue. Rice has greatly benefited by it, and high land crops, though certainly backward, are healthy enough. Low lands have very well-looking crops, and if rain continues there is certainty of a very fair outturn. The late rain came just in time. Condition of cattle normal. Fodder and water plentiful. Price of rice from 16 to 18 seers per rupee.
	4	Midnapur „ 26, '91	2·58	Weather—cloudy; too much moisture in the air. Transplantation of paddy crop finished. Sesame and sugarcane doing well. Cattle-pox in thanas Chanderkona, Sudder, Keshpur, Gurbetta, and Gopibalhabpore. Prices of common rice :— Srs. Sudder ... ... 16 Contai ... ... 17 Tumluk ... ... 16 Ghatal ... ... 16 per rupee.
	5	Hooghly „ 26, '91 Serampore ... Jehanabad ...	1·97 3·84 1·45	Weather—showery and cool. Prospects of crops generally good. Supply of fodder and water sufficient. Prices of common rice :— Srs. Sudder ... ... 13 Serampore ... ... 13 Jehanabad ... ... 16 per rupee.
	6	Howrah „ 26, '91 Uluberia ...	2·24 1·86	Weather—rainy. *Aus* and jute crops reaped; outturn fair. *Aman* doing well. Price of common rice 1[illegible] seers per rupee. Fodder and water-supply adequate. Health of cattle good.
		Central Districts.		
PRESIDENCY DIVN.	7	24-Perghs. Sept. 29, '91	1·83	Weather—seasonable. Harvesting of *aus* going on and steeping of jute commenced. *Aman* promising. Sugarcane doing well. Prospects good. Cattle-disease reported from thanas Baduria and Harowa. Supply of fodder and water sufficient. Prices stationary.
	8	Nuddea „ 26, '91 Kushtea ... Meherpur ... Chuadanga ... Ranaghat ...	1·42 1·20 0·28 0·58 0·83	Weather—cloudy with occasional showers. Rain has done good to *aman* plants, but more wanted. Sugarcane, turmeric, *til*, and *rahar* doing well. Condition of cattle good, and supply of fodder and water sufficient.
	9	Khoolna „ 26, '91 Bagirhat ... Satkhira ...	1·81 2·81 1·34	Weather—changeable with occasional heavy showers. Cutting of *aus* finished in Bagirhat, still going on in parts of Sudder subdivision. Prospects of *aman* fair. Transplantation finished in Bagirhat subdivision, still going on in Satkhira. Cattle-disease still prevalent in parts. Fodder and water sufficient.
	10	Jessore „ 26, '91 Jhenidah ... Magura ... Narail ... Bongong ...	0·85 1·25 0·54 0·67 1·35	Weather—cool and showery. Rainfall of the week very beneficial. Jute extracting going on. Prospects of *aman* fair, but more rain wanted in all the subdivisions.
	11	Murshedabad	...	Report not received.
RAJSHAHYE DIVN.	12	Dinagepur „ 26, '91 Thakurgaon ...	0·57 0·12	Weather—hot and cloudy. Prospects of winter rice not favourable. More rain wanted. Rice selling both at Sudder and Thakurgaon 13 seers per rupee. Condition of cattle good. Fodder and drinking water available.
	13	Rajshahye „ 26, '91 Nattore Nowgong ...	0·75 0·09 0·10	Weather—much cooler, some rain having fallen. *Aman* reported to be faring badly almost everywhere for insufficient rain. The river has fallen, and unless it rains heavily soon the outturn will be poor, especially in the Barind where the lands are high. Fodder and water-supply ample. No cattle-disease reported.
	14	Rungpur „ 26, '91 Gaibanda ... Kurigram ... Nilphamari ...	0·33 1·63 0·31 Nil	South wind with passing clouds. Rice lands very dry, but showers and heavy dews have done some good. Unless heavy rain falls shortly, the winter rice will be a very indifferent crop. Jute-steeping delayed for want of rain. Preparation of lands for winter crops going on. Fodder sufficient.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.				
		Central Districts—concld.		
RAJSHAHYE DIVN.—concld.	15	Bogra Sept. 26, '91 Sherpur ... Nowkhilla ...	0·26 0·30 0·45	Weather—hot during the day, but nights are pleasant. East and south-east winds. Transplantation of *aman* rice backward. A little over three-fourths of the area fitted for the crop has been cultivated, and it is rather late for transplanting the rest. Unless there be a good pour shortly, those already grown will suffer. Harvesting of *aus* nearly over; its outturn expected to be 16 annas. Land is being prepared for mustard and other cold-weather crops. Sugarcane doing well, but rain wanted for it also. Common rice selling at 15 seers per rupee. No want of fodder.
	16	Pubna „ 26, '91	0·94	Weather—cloudy with occasional rain. Jute still being cut. Prospect of *aman* still unfavourable for want of rain. Price of rice stationary. Fodder plentiful. No cattle-disease.
	17	Darjeeling „ 26, '91	0·54	Weather—fair. Transplantation of *haimanti* rice finished. Rain much wanted. No disease amongst cattle. Fodder and water-supply adequate.
	18	Julpigoree „ 26, '91	0·14	Weather—very hot; cloudy at intervals. Prospects of crops not good. *Haimanti* rice suffering for want of rain. Cattle-disease reported from Patgram. Supply of fodder and water plentiful. Price of rice rising.
		Eastern Districts.		
DACCA DIVN.	19	Dacca Sept. 26, '91	2·99	Weather—seasonable. Harvesting of *aus* completed and cutting of jute still continues. *Aman* on low lands progressing favourably, but on high lands partially injured for want of flood and sufficient rain. Recent rain has done much good to the crop. Supply of fodder and water sufficient. Condition of cattle good. Common rice sold at from 14 to 17 seers per rupee.
	20	Furreedpur „ 26, '91	2·19	Weather—seasonable. Prospect of standing crops good. More rain wanted for high land paddy. Condition of cattle good and fodder available. Rice selling at 16, 14, and 16½ seers per rupee, respectively, at Sudder, Goalundo, and Madaripore.
	21	Backergunge „ 26, '91 Bhola ... Patuakhali ...	4·54 2·21 6·01	Weather—seasonable. State and prospects of crops fair. Price of common rice varies from 13 to 18 seers per rupee. Supply of fodder and water sufficient.
	22	Mymensingh „ 26, '91	0·93	Weather—hot and cloudy. Prospects of standing crops not favourable. Condition of cattle good, and supply of fodder and water plentiful. Common rice sells at 14 seers per rupee.
CHITTAGONG DIVN.	23	Chittagong „ 29, '91	2·35	More rain wanted. Harvesting of *aus* and transplanting of *aman* still continue. Prices steady.
	24	Noakhally „ 26, '91	3·63	Weather—changeable with fairly good rain in Sudder, but little rain in Feni. Rain has done good to *aman* crop. More rain badly wanted, particularly in Feni. Price of rice higher. Cattle-disease reported from one outpost. Supply of fodder and water sufficient.
	25	Tipperah „ 26, '91	4·86	Weather—bright, warm, damp. Useful rain has fallen: more required. Prospects of crops improved. Jute trade lively. Prices of food-grains stationary. Fodder insufficient.
	26	Chittagong Hill Tracts. „ 17, '91	1·76	Harvesting of *jum* paddy continues. Cotton in flower. Transplanting in low lands nearly over. Common rice is being sold at 13 seers 5 chittacks per rupee.
BEHAR.				
PATNA DIVN.	27	Patna „ 26, '91 Barh ... Behar ... Dinapore ... Hilsa ...	0·40 Nil 0·34 0·44 0·04	Weather—cloudy. Harvesting of *bhadoi* in progress. Paddy somewhat improved by recent rain, but more rain needed. No time left for transplantation now. Prices generally stationary.
	28	Gya „ 26, '91 Jehanabad ... Nawada ... Aurungabad ...	0·02 0·01 0·80 0·83	Weather—hot and cloudy. Harvesting of *bhadoi* crops nearly finished. Paddy on dry lands dying for want of rain. Time for transplantation over. Rain urgently wanted. Prices of food-grains stationary. Supply of fodder and water for cattle sufficient.
	29	Shahabad „ 26, '91 Buxar ... Bhabuah ... Sasseram ...	1·23 0·46 2·50 1·70	Weather—hot at beginning of week; now cool. *Bhadoi* crops are being harvested. Rain has done good to the paddy crop all over the district, and will enable *rabi* crops to be sown in good time. More rain wanted, and *hathia* rains appear to have set in during the last twelve hours. Fodder sufficient. Prices stationary except at Nasrigunge, where they are reported to have risen.
	30	Durbhunga „ 26, '91 Madhubani ... Somastipur ...	1·0 0·35 0·58	Weather—cloudy with east winds. Rain has done some good to rice crop and has facilitated cultivation for *rabi*. Much more rain wanted. In south good rain has fallen, and rice crop much benefited in thanas Rosera and Singhia. Price of rice from 13 to 17 seers per rupee. Cattle in good condition. Water and fodder abundant.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*			
Patna Divn.—concld.			
31	Mozufferpur Sept. 26, '91 Hajipur ... Sitamarhi ...	0·11 0·71 0·06	Weather—alternately cloudy and sunny. Raining at the time of report. Practically there has been no rain during the week in Sudder and Sitamarhi. A few showers, however, have fallen in most parts of the district. Crops are beginning to suffer, but only slightly so far, and if rain comes within a week or ten days, they will be average. *Hathiya* has begun to-day (26th) with a smart shower, and the sky is overcast. *Sathi*, *makai*, and *marua* have given a good yield. Prices slightly rising. Cattle in good condition. Fodder and water plentiful.
32	Sarun „ 26, '91 Sewan ... Gopalgunge ...	1·02 0·29 Nil	Frequent showers. Weather cloudy. *Bhadoi* still being harvested. Prospects of rice considerably improved, but more rain still wanted. Ample fodder and water for cattle.
33	Chumparun „ 26, '91 Bettiah ...	0·36 Nil	Weather—cloudy sometimes and hot. *Bhadoi* crops are being reaped. Rain wanted for *aghani* rice. Fodder and water for cattle plentiful. Prices stationary.
Bhagulpore Divn.			
34	Monghyr „ 26, '91	0·65	Weather—very hot at times and practically rainless. *Bhadoi* harvest has turned out to be less than anticipated except in the Jamui subdivision. Rain is urgently wanted throughout the district, less in Kharakpur and Jamui than elsewhere. Damage to standing crops reported from Begu-serai. Four annas of the rice crop said to be damaged in four thanas and outposts owing to drought. Prospects of rice crop north of the river are very bad. Prices show a tendency to rise. Health of cattle good. Water and fodder sufficient.
35	Bhagulpur „ 26, '91	0·17	Weather—warm with occasional showers. Prospects of winter rice in the south are on the whole fair. More rain urgently wanted in the north.
36	Purneah „ 26, '91 Kishengunge ... Arrareah ...	0·06 0·65 1·29	Weather—cloudy but no rain at head-quarters. Rain in subdivisions has done good, and in Arrareah prospects are decidedly more favourable. *Rabi* lands are being prepared, and a little *aghani* was transplanted on the recent rain.
37	Maldah „ 26, '91 Chanchal ... Shibgunge ... Gajole ...	1·95 0·67 0·54 0·43	Weather—hot. Good rain on the evening of 25th. Transplantation of winter rice and sowing of *kalai* continue. Rain has done much good to standing crops. More rain still wanted for winter rice and *aman* paddy. Jute-steeping going on. Condition of cattle good. Fodder and water-supply sufficient. Common rice selling at from 12 to 18 seers per rupee.
38	Sonthal Perghs. „ 26, '91	1·41	Weather—seasonable. Partial heavy rain. Crops in good condition. *Bhadoi* harvest not yet complete; outturn satisfactory. A little more rain wanted in Deoghur for upland paddy. *Kurthi* and other crops doing well. Cattle reported well. Fodder and water-supply sufficient.
ORISSA.			
Orissa Divn.			
39	Cuttack „ 26, '91	5·60	Weather—cloudy with heavy showers occasionally. *Beali* crop harvest progressing; outturn estimated at 12 annas. *Sarad* crop in low lands submerged: more or less damage probable. Fodder-supply insufficient in low-lying tracts.
40	Pooree „ 24, '91 Pipli ... Gope ...	3·83 1·10 1·15	Weather—seasonable. Weeding of winter rice (*sarad*) going on. Early rice being harvested with an average outturn of about 10 annas. Miscellaneous crops doing well. Prices of common rice stationary. Cattle-disease reported from Gope thana.
41	Balasore „ 26, '91	6·99	Weather—very stormy. Rice on high lands doing well. Low tracts are extensively flooded, and it is too early yet to estimate the effects of the floods.
CHOTA NAGPORE			
South-West Frontier Agency.			
Chota Nagpore Divn.			
42	Hazaribagh Sept. 26, '91 Giridih „ ...	2·27 2·40	Good rain general. Prospects of *bhadoi* crops and winter rice very good.
43	Lohardugga „ 26, '91 Palamow (up to 21st)	2·52 3·06	Weather—rainy and cloudy. Plenty of rain both in Sudder and Palamow subdivisions. Harvesting of *gora* rice continues. *Sirgooja* is being sown. Prospect of winter rice favourable. Fodder and water plentiful.
44	Singbhoom Sept. 26, '91	3·70	The week has been a very wet one; but bright sunshine has now set in, which is much needed. Up to this, the crops are in excellent condition. Common rice sold during the past week at 16 seers per rupee both in the Kolhan and at Chyebassa bazar. No cattle-disease.
45	Manbhoom „ 26, '91 Govindpur ...	1·61 1·19	Weather—cloudy and rainy. Paddy crop promising. Fodder and water plentiful. Common rice selling at from 16 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 29th September, 1891.

O. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of June, 1891.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains.					Fibrous Products.		Oilseeds.		Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar.		Tobacco.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.				Refined.	Unrefined.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	4,00,638	64,143	75,174	96,487	5,610	88,093	1,972,501	61,150	44,423	......	1,831	98	2,270	38,224	11,809	224
" river steamers ...	31,787	859	9,306	3,394	......	2,26,235	... ..	71,634	1,05,088	24,587	1,196	646	477	142	762	......
" rail { E. I. Railway	1,71,132	44,127	12,76,530	1,21,258	48,884	14,358	42,280	9,47,982	66,848	4,897	14,081	1,124	1,648	2,862	4,456	139
" rail { E. B. S. Railway.	48,818	1,230	11,169	47,250	345	90,139	1,223,425	35,694	54,481	48,253	4,521	705	1,067	15,844	41,033	......
" road	61,218	2,704	......	432	......	7,213	21,300	194	......	......	1,318	......	3,798	12,230	6,109	279
" sea	30,247	9,672	197	5,883	131	...	98,220	......	215	1,022	26,112	4	24,667	50,932	745	895
Grand Total of Imports in June { 1891 ...	8,03,840	1,22,235	13,72,376	2,74,704	54,970	3,76,640	3,357,726	11,16,638	2,71,050	78,759	40,089	2,577	33,917	1,20,254	64,914	1,537
Grand Total of Imports in June { 1890 ...	6,30,995	85,046	3,75,796	2,03,268	35,838	2,87,607	1,611,577	8,26,424	3,13,991	77,498	61,745	1,380	80,073	70,853	51,418	1,770

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of June, 1891.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Burdwan ...	2,73,170	......	490	1,537	85,314	162,161
Beerbhoom ...	1,37,690	......	111	1,279	23,856	80,255
Midnapore ...	2,40,160	448	2,281	...	38,910	4,123
Hooghly ...	1,46,692	12,680	737	150	2,673	46,111
24-Pergunnahs ...	1,40,005	7,094	387	......	12,775	6,765
Nuddea ...	2,65,160	......	2,259	......	31,175	37,795
Khulna ...	75,540	......	202	......	8,018	2,275
Jessore ...	1,28,732	......	1,666	... ..	35,125	5,930
Moorshedabad ...	69,520	......	106	......	12,782	8,970
Dinagepore ...	1,00,030	......	168	......	8,915	210
Rajshahye ...	2,12,450	......	144	......	15,786	8,210
Rungpore ...	2,46,680	......	592	......	20,752	2,590
Bogra ...	1,35,240	......	157	......	3,911	10,430
Pubna ...	1,30,620	... ..	304	......	36,804	5,145
Darjeeling ..	44,380	......	432	......	14,120	140
Julpigoree ...	1,74,020	......	285	. ...	11,841	175
Dacca ...	6,38,330	......	3,114	... ..	63,829	9,120
Furreedpore ...	1,27,040	......	663	......	47,304	35,080
Backergunge ...	1,25,370	......	2,153	...	63,955	10,885
Mymensingh ...	1,72,060	......	308	10	30,748	945
Tipperah ...	. ..	......	......	... ..	6,025	... ..
Chittagong ...	86,150	......	24	......	... ..	2,550
Noakholly ...	......	......	......	......	10,550	......
Total of Bengal ...	38,39,079	20,220	16,493	2,985	5,25,158	381,065
BEHAR.						
Patna ...	1,51,480	2,829	218	481	26,965	259,070
Gya ...	40,880	984	60	1,635	16,392	50,715
Shahabad ...	3,87,520	615	6	1,559	25,402	106,470
Mozufferpore ...	97,160	1,107	......	110	16,496	39,515
Durbhunga ...	1,24,600	4,128	20	801	44,157	93,940
Sarun ...	2,26,'40	1,476	1	103	22,9.8	40,740
Chumparun ...	1,81,160	......	29	83	20,455	26,740
Monghyr ...	2,24,000	... .	19	915	14,583	131,110
Bhagulpore ...	1,29,900	1,107	94	891	36,134	115,100
Purneah ...	5,53,580	......	98	671	19,504	14,620
Maldah ...	3 0	......	16	... ..	3,575	650
Sonthal Pergunnahs	1,85,900	......	135	870	29,770	98,210
Total of Behar ...	23,02,810	12,546	604	7,619	2,76,701	976,880
ORISSA.						
Cuttack ...	33,615	......	73	418	......	14,750
Balasore ...	......	......	1,006	3,520	24,826	75,100
Total of Orissa ...	33,615	......	1,079	3,944	24,826	89,850

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
CHOTA NAGPORE.	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Hazaribagh	11,200	......	2	402	8,402	2,800
Singbhoom	15,470	319	10	562	3,611	2,450
Manbhoom	82,390	615	109	1,543	26,766	4,375
Total of Chota Nagpore ...	1,09,060	934	121	2,507	38,779	9,625
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	61,05,464	33,750	18,387	17,055	8,65,464	1,457,420
OTHER PROVINCES.						
Assam	5,68,820	......	1,037	414	46,288	47,250
North-Western Provinces and Oudh	16,96,480	27,306	2,831	1,101	32,475	990,045
Punjab	10,09,750	11,193	993	48	......	1,468,740
Central Provinces	87,570	1,353	293	275	......	325,010
Rajputana and Central India	31,780	246	146	53	......	45,290
Berar	......	......	......	......	......	525
Nizam's Territory	70	......	3	......	......	......
Bombay	580	240	.... .	......	20	1,582,520
Madras	36,255	325	132	1,297	......	450,100
Pondicherry	......	......	......	......	......	45,000
Burmah	2,18,119	550	272	5,839	......	713,900
Sind	.. ...	......	......	......	......	625,625
Other places	22,690	499	......	......	......	7,324,307
Grand Total of Exports in June { 1891 ...	97,77,578	75,408	24,094	26,082	9,44,247	15,881,132
Grand Total of Exports in June { 1890 ...	81,31,176	50,182	17,901	28,980	7,95,652	10,214,174

The Sea-borne Trade of Calcutta in these Staples during the month of June, 1891, was as follows:—

IMPORTED INTO CALCUTTA—	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
From Foreign Ports—						
United Kingdom	99,75,275	......	10,483	......	7,78,281	......
Other Foreign ports ...	31,124	......	7,701	......	2,88,071	94,200
Total of Foreign Trade ...	1,00,06,399	......	18,184	......	10,66,352	94,200
From Indian Ports—						
Bombay	10,488	1,27,095	95	12,065	64,054	4,000
Madras	1,980	33,155	......	723	... ..	......
Other ports in Madras ...	409	159	......	......	......	......
Burmah	14,360	600	5	......	......	20
Other Indian ports ...	350	......	......	......	......	......
Total of Interportal Trade ...	27,587	1,61,909	100	12,788	64,054	4,020
Grand Total of Imports in June { 1891...	1,00,33,986	1,61,909	18,284	12,788	11,30,406	98,220
Grand Total of Imports in June { 1890...	1,36,38,721	1,32,213	23,070	18,853	8,74,557	2,750

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of June, 1891.

Specification of Routes.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats	1,31,620	12,346	1,373	......	2,24,115	56,451
" river steamers	8,08,220	... ..	2,663	424	1,30,835	70,079
" rail { East Indian Railway	55,23,420	53,874	5,637	14,440	3,95,731	3,958,040
" rail { Eastern Bengal State Railway	27,29,390	... ..	12,352	......	1,68,826	124,705
" road	1,97,880	7,874	862	138	5 1.2	4,600
" sea	3,97,120	1,374	1,507	11,080	19,546	11,137,257
Grand Total of Exports in June ... { 1891 ...	97,77,578	75,408	24,094	26,082	9,44,247	15,381,132
Grand Total of Exports in June ... { 1890 ...	81,31,176	50,182	17,901	28,980	7,95,652	10,214,174

STATISTICAL DEPARTMENT,
The 26th September, 1891.

O. E. BUCKLAND,
Offg. Secretary to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 20th to 26th September 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour pressure.	Dew point.	Humidity.	Prevailing direction	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Sept.	20th	147·7	5·2	29·761	85·1	89·6	10 2	79·4	81·4	1·025	80·0	85	SW by S, WSW, and variable.	75	Nil	Partially cloudy, t.
,,	21st	134·5	0·9	·729	79·8	83·7	9·7	74·0	77·8	0·927	76·9	91	SE by E and variable.	67	0·46	Chiefly cloudy, o, g, d, p.
,,	22nd	126·5	0·2	·685	79·1	82 9	5·5	77·4	77·2	·909	76·3	91	ENE and E ...	188	0·15	Chiefly cloudy, o, g, d, p.
,,	23rd	140·5	1·2	·730	79·7	84 6	8·1	76·5	77·7	·924	76·8	91	E and ESE ...	106	0·72	Chiefly cloudy, o, g, d, p, t.
,,	24th	143·5	2·9	·763	80·3	84·6	7·3	77·3	78·0	·929	77·0	90	E by N, ESE and SSE.	132	0·04	Chiefly cloudy, o, d.
,,	25th	142·5	1·3	·793	78·4	84·1	7·6	76 5	76·9	·906	76·2	93	SE, SSE, and S ...	109	0·56	Chiefly cloudy, o, g, d, p, [dew].
,,	26th	117 3	Nil	·819	78·2	82 9	8·2	74·7	76 5	·891	75·7	92	SE by S and SSW ...	100	0·49	Cloudy, o, g, d, p, t, [dew].

	Inches.
The mean pressure of the seven days	29·754
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·707
	Hours.
The total number of hours of bright sunshine	11·7
The maximum possible number of hours of sunshine	84·5
	°
The mean temperature of the seven days	80·1
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·0
The extreme variation of temperature	15·6
The maximum temperature	89·6
	Miles.
The highest velocity of the wind in one hour	15
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	90
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	86
	Inches.
The total fall of rain from 20th to 26th September 1891	2·42
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	2·36
The total fall from 1st January to 26th September 1891	46·18
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	57·92

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o, overcast; g, gloomy; d, drizzling rain; p, passing temporary showers; t, thunder; [dew], dew.

J. H. Gilliland,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 28th September 1891.

Meteorological Report of the Province of Bengal.

Meteorological Division.	District.	Representative station.	Station Observations.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·754	29 703	—	Variable	312	89·7	22nd Sept.	76·6	22nd Sept.	86·3	78·7	82 5	—	81 2
		Gopalpore	29 750	29·712	+·002	Wly	288	90 2	22nd „	76·3	25th „	86·3	77·3	81·8	—2·0	80·9
		False Point	29 701	29·724	+·016	Variable	257	88 5	21st „	74·1	26th „	85 7	76 9	81·3	- 1·8	81·7
	Cuttack	Cuttack	29 702	29·725	+·027	Variable		92 4	21st „	75·8	23rd „	86 8	77 3	82 1	—1·5	80 9
	Balasore	Balasore	29 730	29·731	+·028	NEly	118	89·4	21st „	74·8	25th „	85·2	76 3	80 8	—1·6	80·1
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·775	29·744	+·034	SEly	305	89 7	20th „	75 5	21st „	85·9	77·4	81·7	—2·1	80 8
	Midnapore	Midnapore	29 651	29·747	+·028	Ely	227	93 3	21st „	74 1	21st „	86 6	75 8	81 [illegible]	—1 8	79 5
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·791	29·758	+·045	Ely	106	89 6	20 & 21 „	74 2	21st „	85 6	77 1	81 3	—1 3	80·1
	Burdwan	Burdwan	29 727	29·772	+ 052	Ely	83	93 1	21st „	77 4	21, 22 & 26 „	88·6	77·8	83·3	—0·8	80·8
	Bankoora	Bankoora	29·481	29·731	+·032	E	100	90·4	20th „	77 1	24th „	87·7	76 9	82 3	—0·3	80 0
	Beerbhoom, West Burdwan	Raneegunge	29·477	29·773	+·052	Ely	144	92·5	21st „	75·9	26th „	89·4	77 2	83·3	+0·4	80·0
	Moorshedabad	Berhampore	29 757	29 772	+·048	Sly	79	94·2	21st „	75 2	22nd „	89 6	77 4	83 5	—0·2	80·0
	Nuddea	Krishnaghur	29·771	29·767	+·058	ESE	133	94·3	21st „	75·2	21st „	89 3	77·2	83·3	+0·4	81·1
	Jessore, Khoolna	Jessore	29·792	29 772	+·034	SEly	112	93·7	21st „	75·9	22nd „	87 8	77 5	82·7	—1·1	81·3
East Bengal.	Chittagong	Chittagong	29·765	29 790	+·031	SEly	66	91·7	21st „	75·1	21 & 22 „	88 5	75·7	82 1	+0 8	81·6
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29 816	29·773	+·046	SEly	61	92·3	21st Sept.	74·9	21st „	86·9	76·9	81·9	+0·3	81·3
	Noakhally	Noakholly	29·806	29·796	+·054	E	106	91·5	21st „	74 8	21st „	87·0	76 8	82 2	+0 6	80 2
	Furreedpore	Furreedpore	29·800	29·787	+·058	SEly	72	92·0	21st „	76·4	22 & 24 „	87·6	77 5	82 6	—0·1	81·2
	Dacca	Dacca	29 816	29·786	+·049	Variable	109	93 1	21st „	74·2	22 & 23 „	89 5	76 5	83·[illegible]	—0·6	80 7
	Commillah	Commillah	29·824	29·807	+·060	SE	40	93·3	21st „	73·8	21st „	89·4	75 9	82·6	+0·2	80·1
	Mymensingh	Mymensingh	29 790	29·798	+·052	SE	81	93 2	21 & 22 „	74·6	23rd „	89 5	77 0	83 3	+0 6	81·0
North Bengal.	Bogra	Bogra	29·760	29·774	+·070	Ely	57	93·8	21st „	75·2	24th „	90·5	77 5	84 0	+1·8	82 9
	Pubna	Serajgunge	29·791	29·787	+·058	Ely	47	93 6	21 & 22 „	74 2	22nd „	89·1	77 5	83 3	+0·5	81 1
	Rajshahye	Rampore Beauleah.	29·756	29·776	+ 064	Ely	93	92·8	22nd „	76 6	22nd „	89 3	77·6	83·5	+0·8	81·3
	Maldah	Maldah	29·744	29·775	—	E	79	95·5	21st „	75·7	22nd „	91·5	77·2	84·4	—	82 7
	Dinagepore	Dinagepore	29·712	29·782	+·039	E	28	95·1	21 & 22 „	75·2	24th „	91·5	78 5	85 0	+2 1	82·5
	Rungpore	Rungpore	29·730	29·807	+·038	Ely	39	95·3	22nd „	74·2	24th „	91·2	77 5	84·3	+2·2	82 1
	Julpigoree, Cooch Behar	Julpigoree	29 550	29·787	+·029	SE	62	93 4	21 & 22 „	75 1	25th „	91·1	76·3	83 7	+3 2	82 2
	Darjeeling Hill Tracts	Darjeeling	23·064	—	+·040	NEly	68	71·1	21st „	54 6	25 & 26 „	67 1	55·9	61·5	+2·1	62 7
North Behar.	Purneah, North Bhagulpore	Purneah	29·708	29·786	+·001	Calm	40	94·7	22nd „	75·2	24th „	91 9	77·8	84 9	+1·6	82·9
	Mozufferpore	Mozufferpore	29·622	29·753	—	ESE	108	95·3	22nd „	74 2	23rd „	91·9	78 9	85 5	—	82·6
	Durbhunga	Durbhunga	29·659	29 779	+·037	ESE	75	95·9	22nd „	76·0	24 & 25 „	92·4	77·9	85 2	+1·7	83·0
	Chumparun	Motihari	29·590	29 771	+·059	ENE	131	96·2	22 & 23 „	75·9	21st „	93·1	77·8	85 4	+3·0	83·4
	Sarun	Chupra	29·628	29·763	+·007	Ely	105	94 8	22nd „	76 1	24th „	91·4	77·9	84 6	+1·6	82 7
South Behar.	Shahabad	Dehree	29·439	29·743	+·029	E	129	97·3	22nd „	75·0	23rd „	90 6	77·6	84·1	+1·7	82 3
		Buxar	29·559	29·753	+·040	E & ENE		93·4	21st „	73 3	23rd „	90 6	77 3	84·0	+1·2	82·2
		Arrah	29·608	29·750	+·050	Ely	21*	94·9	22nd „	75·1	26th „	92 5	78·1	85·3	+2·0	82·7
	Gya	Gya	29·411	29·730	+·029	E	134	95·0	22nd „	75 8	25 & 26 „	91 6	78 4	85 0	+0·6	82·0
	Patna	Bankipore	29·626	29·760	+·041	E	123	94·4	21 to 23 „	77 7	24 & 25 „	92 2	79·4	85 8	+1·0	83·7
	South Bhagulpore, Monghyr	Bhagulpore	29·655	29·768	+·062	Calm	33	94·7	23nd „	76·0	26th „	91·4	77 6	84 6	+1·2	83 1
	Sonthal Pergunnahs	Doomka	29·320	29·768	+·061	Ely	89	92·6	21,22 „	73·3	22nd „	39·2	76·3	82·8	+0·6	80·4
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·800	29·756	+·035	SEly	232	88 2	22nd „	69·8	22nd „	83·6	71·6	77·6	—0·7	74·[illegible]
	Lohardugga, Manbhoom	Ranchee	27·671	29·741	+·029	Variable	164	85·0	21st „	60·4	22nd „	81·4	70·5	76·0	—0·9	74·[illegible]
	Singbhoom	Chyebassa	29·010	29·721	+·028	NEly	44	90·4	21 & 22 „	75·2	26th „	86·4	76·3	81·4	—0·3	78·[illegible]
Assam.	Sibsagar	Sibsagar	29·518	29·800	+·025	Variable		95·1	24th „	76·5	24th „	93·0	78·2*	86·2*	+3·3*	81·[illegible]
	Goalpara	Dhubri	29·734	29·803	+·010	Variable	65	91·7	20th „	77·3	23, 24 & 26 „	88·1	77·8	83·0	+2·6	[illegible]
	Cachar	Silchar	29·741	29·797	+·029	Calm		99·6	21st „	75·8	25th „	92·4	76·8	84·6	+1·5	81·[illegible]

* Mean for 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the la[illegible]
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbe[illegible] are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during t[illegible] p[illegible] st stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 26th of September 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week: Mean for district.	Of week: Normal mean.	District observations, Rainfall, Since 1st of month: Mean for district.	Since 1st of month: Normal mean.	Since 1st of month: Variation.	Since 16th May 1891: Mean for district.	Since 16th May 1891: Normal mean.	Since 16th May 1891: Variation.	Of week: Average number of rainy days.	Of week: Normal number of rainy days.	Representative station.	District.	Meteorological Division.
87	7·7	4·21		1·05		9·51			43·55			2 30	Pooree	Pooree	Orissa.
90	5·4	1·41											Gopalpore		
87	9·6	5·78											False Point		
84	8·6	6·02		1·30		8·74			41·76			2·24	Cuttack	Cuttack	
89	5·4	6·85		2·33		10·38			45·68			2·27	Balasore	Balasore	
90	9 3	3·65	2·68	2·27	11·81	10·90	+0·91	55·23	52·63	+2·60	4·33	2 80	Saugor Island	South-West Midnapore South 24 Pergunnahs	South-West Bengal.
91	4·6	2·72	2·54	1 04	8·60	7·69	+0·91	46·62	45 72	+0·90	4 31	2 18	Midnapore	Midnapore	
90	9·0	1·94	2·53	1·45	7·58	8·06	—0·48	39·61	45 72	—6·11	4·70	2·29	Calcutta	24-Pergunnahs Howrah Hooghly	
84	8·9	0·39	1·40	1·40	3·64	7·24	—3 60	42·20	41 16	+1·04	3·67	2 15	Burdwan	Burdwan	
90	7·1	1·04	0·99	1 4·	4·42	7 63	—3·21	45·02	47·31	—2·29	2·23	2·28	Baukoora	Baukoora	
89	4·3	1·24	1·28	2·27	4·24	9 25	—5·01	40·89	47 43	—6·54	3 00	3·75	Raneegunge	Beerbhoom West Burdwan	
91	7·3	2·91	1·84	2·24	5·95	9·77	—3·82	36·70	44·74	—8·04	2·59	2 71	Berhampore	Moorshedabad	
87	7·0	1·42	1·23	1 97	3·61	8 13	—4·52	36·36	43 34	—6·98	3·20	2·53	Krishnagur	Nuddea	
90	7·3	0·85	1·82	1·98	4·60	8 46	—3·86	38·57	40·82	—8·25	4·13	2 58	Jessore	Jessore Khoolna	
87	10·0	2·19	3·80	3·02	6·75	13·65	—6·90	82·00	101·66	—19·66	4·50	2·75	Chittagong	Chittagong	East Bengal.
			1·31	2·39	4·90	11·92	—7·02	62·24	72·58	—10·34	4·00	3·15	Domagiri	Chittagong Hill Tracts	
83	8·0	4·30	4·31	2·09	8·93	11·58	—2·65	54·32	67·83	—13·51	4·75	3 16	Barrisal	Backergunge	
91	3·4	3 74	2·43	3·17	5·73	15·86	—10·13	62 89	95 71	—32·82	5·00	3·11	Noakhally	Noakhally	
89	5·7	2·10	1·46	2·00	4·57	8·46	—3·89	35·82	48·73	—12·91	2·67	2·54	Furreedpore	Furreedpore	
89	7·9	3·40	2·48	1·83	5·22	9 72	—4·50	48·01	53·78	—5·77	2·50	2·18	Dacca	Dacca	
90	6·6	4·99		2 55		10·79			60·97			2 85	Commillah	Commillah	
90	6·1	0·03		3 68		12 36			61·78			3 27	Mymensingh	Mymensingh	
85	2·3	0 25	0·44	3·25	3·71	9 92	—6·21	35·32	51·21	—15·89	1·00	2·94	Bogra	Bogra	North Bengal.
92	5·4	0 46	0·70	2·45	2·61	9 98	—7·37	32·50	47·06	—14·56	2·50	2 80	Serajgunge	Pubna	
88	5·3	0·74	0·36	2·89	3·52	11 13	—7·61	39·42	48·53	—9·11	1·33	2 78	Rampore Beauleah	Rajshahye	
86	4·7	1·95	1·39	2·46	4·41	10·74	—6·33	30·56	49·16	—18·60	3·50	2·33	Maldah	Maldah	
85	4·9	0·83	0·42	2·01	3·78	10·70	—6·92	39·93	52·12	—12·19	1·40	2 25	Dinagepore	Dinagepore	
89	1·7	0·31	0·38	3·40	2·82	12 65	—9·83	40·08	66·56	—17·48	1·25	2 76	Rungpore	Rungpore	
85	0·4	0·29	0·11	4·83	5·71	19 76	—14·05	65·10	102 57	—37·47	0·80	3·30	Julpigoree	Julpigoree Cooch Behar	
80	4·0	0·54	1·04	4·27	11·32	17 83	—6·51	76·28	114·76	—38·48	2·50	3·54	Darjeeling	Darjeeling Hill Tracts	
85	4·3	0·06		3·04		12 05			53 52			2 10	Purneah	Purneah North Bhagulpore	North Behar.
86	3·7	0·20	0·29	2·92	1·67	8·29	—6·62	33·74	38·94	—5·20	0·67	1 79	Mozufferpore	Mozufferpore	
86	3·7	1·00	1·04	2·47	1·98	8·72	—6·74	36·29	40·56	—4·27	2·00	1·95	Durbhunga	Durbhunga	
81	4·6	0·38		3 71		8 94			42 43			1 98	Motihari	Chumparun	
87	5·4	1·24	0·54	1 95	3·90	7·01	—3·11	29·15	37·14	—7·99	2·00	1·71	Chupra	Sarun	
84	5·3	1·07											Dehree	Shahabad	South Behar.
83	5·6	0·45	0·52	1·39	5·36	6·77	—1·41	24·68	35·88	—11·20	2·00	1·81	Buxar		
88	3·7	1·23											Arrah		
85	5·4	0·02	0·54	1·30	2·92	6 28	—3·36	28·71	37·31	—8·60	1·50	1·65	Gya	Gya	
83	6·1	0·40	0·60	1·66	4·69	6·59	—1·90	35·43	36·89	—1·46	2·25	1·01	Bankipore	Patna	
83	6·6	0·17	0·40	1·75	3·40	7·41	—4·01	35·90	38·60	—2·70	1·20	2·09	Bhagulpore	South Bhagulpore Monghyr	
86	2·1	1·41	1·04	1·93	4·86	9·61	—4·75	39·21	45·88	—6·67	2·67	2·33	Doomka	Sonthal Pergunnahs	
89	7·3	2·36		1·75		8·02			45·88			2·09	Hazaribagh	Hazaribagh	Chutia Nagpur.
88	8·1	2·52	1·24	1·84 1·38	6·08	8·40 7·35	—1·27	40·80	44·60 42·36	—1·56	3·50	2 45 1 88	Ranchi	Lohardugga Manbhoom	
92	7·7	4·27	3·70	1·66	10·54	7·83	+2·71	44·63	46·80	—2·17	6·60	2 25	Chyebassa	Singbhoom	
91	7·7	1·75											Sibsagar	Assam	Assam.
89	5·9	0·03											Dhubri		
87	8·3	0·76											Silchar		

n years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 26th of September 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 20th Sept.	Monday, 21st Sept.	Tuesday, 22nd Sept.	Wednesday, 23rd Sept.	Thursday, 24th Sept.	Friday, 25th Sept.	Saturday, 26th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
Orissa ...	Pooree ...	Pooree ...	0·10	......	0·60	0·50	...	0·70	0·70	5	2·60	1·03	13·17	9·30	35·65	38·10
		Khurdah ...	... ..	......	0·61	4·23	0·29					1·45		9·78		46·55
		Banpur ...	... ..	......	0·24	1·20						1·13		8·38		49·47
		False Point ...	... ..	... ..	2·63	0·91	0·31	0·23	1·67	5	5·78	2·09	18·53	10·46	55·06	40·07
		Gop ...	... ..	......	2·80							?		?		?
		Satpara ...	. . .	.... .	......	1·50						?		?		?
		Pipli	... ..	1·10	......	0·70	0·90					?		?		?
	Cuttack	Jagatsingpore	0·20	......	2·70	2·40	0·35	1·00				1·73	30·69	8·07	68·02	37·95
		Banki ..	0·63	...	0·0[illegible]	3·25	0·05	0·12	0·37	6	5·61	0·53		8·24		42·44
		Cuttack ...	0·27	... ..	0·69	2·96	0·20	1·11	0·30	5	9·65	1·41	23·10	9·65	54·70*	48·51
		Kendrapara ...	0·09	... .	4·72	3·25	0·83	0·47				1·75		8·66		44·27
		Jajpore ...	......	. . .	1·09	1·85	0·15	2·32				1·53		9·09		45·64
		Dharmsala .	... .	0·70	2·05	0·20	3·30					?		?		?
		Salipore	... ..	......	1·20	2·70	0·60	0·59				?		?		?
	Balasore ..	*Akhoyapada* ..	.. ..	......	0·95	2·32	0·08	2·46	0·45	4	6·26	?	16·48	?	51·91	?
		Chandbali .	... ..	.... .	3·75	3·35	0·35	1·[illegible]5	0·91	5	9·5[illegible]	2·79	22·75	10·58	50·63	43·93
		Bhuddruck ...	0·52	......	0·89	3·04	0·28	1·94	0·95	6	7·62	1·73	14·61	9·88	52·17	44·20
		Sorah ...	......	......	2·30	0·70	0·30	2·70	0·20	5	6·20	2·57	15·90	10·62	49·30	43·56
		Balasore ..	... ..	......	1·10	2·30	1·22	1·45	0·92	5	6·90	2·09	17·09	10·53	51·01	48·63
		Jellasore ..										1·91		9·97		45·60
		Baripodah .										2·47		10·64		48·00
South-West Bengal.	Midnapore	Contai	.....	0·63	0·70	0·[illegible]0	0·44	1·54	0·04	4	3·06	2·28	13·51	10·70	40·27	51·01
		Saugor Island	.. ...	0·92	1·36	0·79	0·46	0·07	0·05	4	3·63	2·47	14·28	11·26	68·14	55·83
		Tumlook ..	......	0·70	0·03	0·20	1·00	0·84	0·50	5	3·27	1·39	9·37	8·16	53·17	45·25
		Midnapore ..	......	0·38	...	0·15	0·69	1·31	0·05	4	2·58	1·51	10·07	6·69	49·76	42·32
		Ghattal .	... ..	0·75	0·04	0·2[illegible]	0·01	0·44	0·34	4	1·78	2·03	6·34	8·25	51·92	49·58
		Kukrahaty .	......	0·39	0·06	0·28	1·09	0·40	0·22	5	2·34	?	9·68	?	30·82	?
		Garbetta ..	......	... ..	... ..	... ..	0·15	0·60	0·15	3	0·90	?	4·87	?	44·01	?
	24-Pergunnahs	Diamond Harbour ...	. . .	0·07	0·30	0·21	0·32	0·12	0·32	5	1·34	2·07	7·35	10·78	52·06	51·54
		Canning Town	... ..	0·80	0·30	0·25	1·07	0·45	0·43	6	3·30	?	7·98	?	38·28	?
		Alipore Jail ..	......	0·12	0·25	0·15	0·74	0·10	0·47	6	1·85	1·99	8·09	9·43	39·35	49·17
		Barrackpore...	... ..	0·06	0·57	0·14	0·40	.. .	0·21	4	1·47	1·11	10·57	7·13	42·57	44·10
		Dum-Dum ...	......	0·97	0·37	1·00	1·30	0·32	0·25	6	4·21	1·44	10·51	8·24	38·68	45·72
		Barasat .	......	0·21	1·10	0·04	0·36	0·65	0·10	5	2·46	1·61	4·36	8·52	39·65	43·20
		Buseerhat ...	... ..	2·32	.... .	......	0·54	0·99	0·30	4	4·15	1·86	7·05	8·49	40·21	47·92
	Howrah ..	Howrah	... ..	0·90	0·38	0·07	0·38	.... .	0·51	4	2·21	1·26	6·49	7·89	34·76	44·86
		Mohesraka ...	......	1·31	0·04	0·02	0·04	0·25	0·12	3	1·78	1·36	5·14	8·09	?	46·43
		Oolobariah .	... ..	0·80	0·04	0·08	..	0·05	0·80	2	1·77	?	7·10	?	39·00	?
	Hooghly ..	Serampore ..	......	0·20	0·57	0·28	0·83	0·03	0·25	5	2·10	1·30	9·45	7·04	41·73	44·54
		Hooghly ...	.... .	0·43	0·64	0·01	0·25	0·44	0·20	5	1·97	0·98	7·54	6·79	39·22	42·60
		Jehanabad .	......	0·03	0·11	0·18	0·15	2·06	0·45	5	2·08	1·50	6·61	8·43	42·87	18·80
	Burdwan .	Culna ..	... .	0·22	0·15	......	0·13	0·17	1·65	5	2·32	1·15	0·48	6·35	44·0[illegible]	38·89
		Burdwan ...	0·19	...	0·01	......	0·10	. . .	0·09	2	0·34	1·40	1·50	7·36	44·69	42·33
		Cutwa ..	. ....	0·39	......	......	0·40	0·50	0·11	4	1·40	1·92	2·95	8·01	37·85	42·37
		Raneegunge ..	.. ..	......	. . .	0·20	0·47	0·14	0·63	3	1·24	1·46	4·45	6·95	43·01	44·15
		Mankur ...	... ..	... ..	... ..		0·21	0·43	0·21	4	1·05	?	2·81	?	46·35	?
	Bankoora .	Bankoora ..	.. ..	... ..	0·01	0·05	0·41	0·53	0·04	2	1·04	1·75	4·68	7·61	42·29	45·97
		Bishenpore ...	. . .	......	... ..	0·53	0·19	0·13	0·25	4	1·10	1·93	4·82	8·44	5[illegible]·19	47·83
		Malara ..	.. ..	......	. ..	0·08	... .	... ..	0·32	1	0·40	0·99	2·24	6·02	47·12	45·89
		Khatra ...	......	...	......	.. ..	0·58	0·82	.. ..	2	1·40	1·05	5·92	8·45	49·15	94·51
		Indas ...	.....	0·21	... ..	0·07	0·33	. .	0·73	3	1·34	?	3·99	?	43·26	?
		Kotalpore ..	. . .	... ..	... ..	... ..	0·10	0·52	0·10	3	0·72	?	3·77	?	48·83	?
		Anda ..	.....	... .	0·04	0·62	0·22	0·24	... ..	3	1·11	?	8·92	?	39·46	?
		Gangajalghati	... .	......	......	0·10	0·37	0·05	... ..	2	0·52	?	3·5[illegible]	?	44·76	?
		Raipore ...	......	......	... ..	0·89	0·40	0·89	0·05	4	2·43	?	10·02	?	60·61	?
		Sonamukhi ..	......	......	......	... ..	. ..	......	0·39	1	0·31	?	2·69	?	47·94	?
	Beerbhoom	Bh. Soory .	..	0·34	0·07	... .	0·60	0·52	0·14	4	1·74	2·38	5·25	9·90	45·29	40·09
		Hetampore ...	......	0·07	...	0·19	0·41	0·05	...	2	0·72	2·60	3·29	9·8[illegible]	4[illegible]·36	50·26
		Rampore Haut	.....	0·16	0·73	0·07	0·04	... .	0·30	3	1·30	2·65	4·04	10·26	34·93	46·15
		Bolpore ...	. ..	0·31	... .	..	0·07	0·11	......	3	1·38	?	4·87	?	45·18	?
		Murari ...	... ..	... .	......	0·45	......	1·24	......	2	1·69	?	5·33	?	35·17	?
	Nuddea ..	Ranaghat	..	0·26	0·19	0·01	0·31	0·22	0·24	5	1·23	1·21	4·92	6·59	37·50	41·48
		Kishnaghur ..	. ....	0·09	0·04	.... .	0·59	0·14	0·56	3	1·42	1·54	3·75	7·13	37·14	40·11
		Chooadanga .	... .	0·52	0·06	.....	......	0·26	0·98	3	1·82	2·14	3·70	9·12	38·36	44·72
		Meherpore ...	... .	0·28	.	......	..	0·05	0·13	2	0·46	1·92	2·27	7·50	36·17	42·54
		Kooshtea	... .	.... .	0·93	... ..	0·10	......	0·21	3	1·24	3·02	3·47	9·07	32·77	47·84
	Khoolna ..	Satkhira .	... ..	1·20	0·62	0·06	0·18	0·07	0·40	4	2·54	2·21	6·10	8·49	42·04	48·61
		Bagirhat .	......	1·50	0·90	0·21	0·19	... .	0·16	5	2·96	1·88	4·05	9·50	46·16	53·88
		Khoolna ...	..	0·15	0·96	0·15	0·03	0·25	0·27	5	1·81	1·83	4·93	9·34	34·59	48·60
		Nakipur ...	. .	0·66	0·71	... .	0·30	0·05	0·04	3	1·80	?	6·46	?	44·09	?
		Rampal	.. .	1·50	1·40	0·30	......	0·4[illegible]	......	4	3·60	?	5·8[illegible]	?	36·43	?
	Jessore ...	Narail	.. ..	0·22	0·36	0·07	0·02	0·23	0·53	4	1·43	1·30	4·67	6·83	33·97	40·36
		Jessore ..	... ..	0·03	0·13	0·14	0·17	0·12	0·26	5	0·85	2·02	5·52	8·52	41·41	47·98
		Jheniday .	......	0·80	0·09	......	0·36	... ..	0·[illegible]5	3	1·90	2·28	3·35	8·38	33·81	46·62
		Magoorah ..	... .	0·10	0·15	......	0·29	0·60	0·05	4	1·19	1·09	3·13	8·12	35·97	43·45
		Bongong .	......	... ..	1·23	0·12	... ..	......	0·52	3	1·87	2·31	4·98	8·75	40·57	45·04
	Moorshedabad	Kandi ..	......	. ....	0·75	......	0·09	... ..	0·50	2	1·34	1·85	3·75	9·14	31·60	44·30
		Berhampore ...	... ..	0·07	2·22	... ..	0·58	0·04	.. ...	2	2·91	2·58	0·36	10·11	36·17	44·88
		Lalbagh ...	.. ..	2·42	... .	0·08	0·35	0·00	... .	2	2·94	2·23	8·11	10·12	39·30	43·84
		Azimgunge ...	......	......	0·92	... ..	0·06	...	0·60	2	1·58	2·04	5·04	9·03	32·[illegible]2	44·03
		Jungipore ..	......	......	0·25	0·11	0·04	0·09	0·31	3	0·80	2·06	6·[illegible]8	10·22	39·30	44·73
		Lalgola ...	.. ..	......	0·85	0·15	0·27	......	0·20	4	1·47	2·67	5·82	10·01	41·30	43·42
		Azarigunj ...	.. ...	.. ..	0·54	......	... ..	......	0·22	2	0·76	?	2·35	?	36·98	?
		Patkabari .	......	......	......	.....	......	......	0·35	1	0·35	?	2·15	?	36·15	?
East Bengal	Chittagong	Cox's Bazar ...	. ...	1·23	1·10	0·08	0·04	0·94	1·53	4	4·92	3·01	8·68	14·40	97·33	110·05
		Chittagong ...	......	0·29	0·16	0·15	0·20	0·03	1·95	5	2·69	3·02	4·82	12·87	66·66	84·22
		Kutubdia ...	1·37	0·17	0·21							?		?		?
		Satkanya ...	1·29	0·30	0·28	... ..	0·50	0·31				?		?		?
	Chittagong Hill Tracts.	Rangamati ...	0·84	... ..	0·13	0·07	0·24	0·08	0·15	4	1·31	2·59	4·90	11·92	62·24	72·58
		Bundarban ...	0·21	0·04	0·49	0·02	0·47	0·23	0·22	5	1·73	?	4·01	?	93·95	?
	Backergunge	Patuakhally...	......	1·52	2·34	0·56	0·77	0·71	......	5	5·90	2·85	10·74	12·81	61·56	77·71
		Perozepore ..	......	2·73	1·16	0·14	0·69	0·15	......	5	4·88	2·83	8·40	10·74	57·32	60·75
		Burrisal ...	......	1·01	0·50	0·18	1·32	......	1·53	5	4·54	3·06	10·27	11·13	50·02	59·41
		Bhola ...	......	0·18	0·08	......	1·95	0·20	0·32	4	2·73	3·21	6·52	11·64	48·34	73·38

tatement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 26th of September 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 20th Sept.	Monday, 21st Sept.	Tuesday, 22nd Sept.	Wednesday, 23rd Sept.	Thursday, 24th Sept.	Friday, 25th Sept.	Saturday, 26th Sept.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
AST BENGAL —concld.		*Gournuddi*	...	0·48	0·?9	.....	1·82		0·42	3	2·81	?	9·30	?	43·49	?
		Bauphal	.....	0·45	0·70	.....	1·20	1·13	0·16	5	3·44	?	11·49	?	52·81	?
	Noakholly	Noakholly	.....	0·21	0·14	0·45	1·37	1·22	0·24	6	3·63	3·80	7·54	17·05	66·?2	90·85
		Fenny	.....	.	0·15	.....	0·45	0·37	0·25	4	1·22	2·45	3·90	14·68	59·26	94·50
		Harishpore	.....	0·17								?		?		?
		Ramganj	.....	0·67	0·21	0·10	1·18	0·91				?		?		?
	Furreedpore	Madaripore	.....	....	0·35	.....	1·02	.. ..	0·09	3	1·46	2·13	6·34	8·37	38·81	49·46
		Furreedpore	.....	0·71	0·78	.....	0·54	.	...	3	2·03	2·05	4·15	9·15	44·19	50·63
		Goalundo	.....	.. .	0·37	.....	0·46	0·05	.....	2	0·88	1·81	2·01	7·55	28·44	46·09
	Dacca	Munshigunge	.....	.....	1·05	0·05	0·36	0·15	0·10	4	1·71	2·48	5·71	11·63	44·55	62·15
		Dacca	.....	.....	2·78	0·08	0·13	.		2	2·19	1·96	5·09	9·59	52·27	52·49
		Narainganj	.....	.....	3·34	0·38	0·23	0·04	0·05	3	4·04	1·07	6·56	10·00	56·48	56·48
		Manickgunge	.....	.....	0·70	0·08	0·3?	0·09	..	2	1·26	1·82	3·56	7·60	38·79	44·00
		Joydebpore	.....	....	0·76	0·13	0·32	0·06	....	3	1·27	?	4·30	?	46·99	?
	Hill Tipperah	Agartola	.....	...	0·20	0·39	1·00	0·59	.....	4	2·60	2·15	6·10	10·09	54·40	53·66
	Tipperah	Comilla	.....	0·95	0·26	3·14	0·05	0·46	.....	4	4·86	2·13	6·54	10·62	53·77	68·85
		Chandpore	.....	0·42	0·34	0·01	1·4	·6				2·?6		11·22		68·88
		Brahmunberia	.....	.....	...	0·32	...	.....	.....	1	0·32	2·64	2·52	11·18	40·61	54·34
		Ramchandrapore	.....	...	1·71	0·15	0·29	0·28	.....	4	2·43	?	3·27	?	47·21	?
		Nasirnagar	.....	.	..	2·20	0·60					?		?		?
		Daudkandi	.....	.	0·98	..	1·11					?		?		?
		Kasba	.....	..	1·50	0·27	0·06	0·15	0·75	4	2·73	?	4·44	?	?	?
		Laksham	.....	0·50	0·35	0·50	0·45	1·55	0·50	6	3·8?	?	5·46	?	56·61	?
	Mymensingh	Kishoregunge	.....	.. ..	.. ..	2·62	.....	.....	0·45	3	3·07	3·32	6·21	12·38	76·87	69·17
		Atia (*Tangail*)	.....	.. ..	0·44	.	...	.....	..	1	0·44	3·04	3·53	9·45	37·11	48·50
		Mymensingh	.....	..	..	0·6?	0·25	...	0·03	2	0·93	3·?4	3·86	13·51	52·15	65·14
		Jamalpore	.....	..	..	1·10						4·02		13·30		57·93
		Netrokona	.....	...	..	0·59	0·15	.....	0·30	3	1·04	4·10	5·63	13·14	78·35	74·09
		Subornakhali	.....	...	0·28	.. ..	0·13					?		?		?
		Durgapore	.....	.....	.....	1·11						?		?		?
		Sherepore Town										?		?		?
		Dewanganj	.....	.....	.....	0·57						?		?		?
NORTH BENGAL.	Pubna	Pubna	.....	...	0·51	.....	0·24	.....	0·19	3	0·94	2·60	2·16	10·56	25·69	47·57
		Serajgunge	.....	. .	0·33	.....	0·12	.....	0·01	2	0·46	2·30	3·05	9·39	39·31	46·40
	Bogra	Sherepore	.....	.....	0·05	..	0·03	.. ..	0·15	1	0·23	3·65	5·65	9·99	20·34	52·12
		Nowkhilla	.....	.....	. .	0·33	0·07	.....	... .	1	0·45	3·08	3·35	9·06	37·04	47·81
		Bogra	.....	.....	.	.. ..	0·25	....	. .	1	0·25	3·15	2·63	10·31	34·91	54·87
		Panchbibi	.....	.. ..	... ..	.. .	...	.. ..	0·83	1	0·83	2·53	3·20	10·24	39·10	50·00
	Rajshahye	Beauleah	.....	.....	0·31	0·26	0·18	.....	.....	3	0·75	3·06	2·37	10·44	38·52	46·81
		Nattore	.....	....	0·09	.	.. ..	.....	. ..	Nil	0·09	3·14	2·70	10·81	48·46	48·57
		Naogaon	.....	. .	0·03	0·07	... .	.....	0·13	1	0·23	2·18	5·66	12·14	31·55	50·20
		Lalpore	.....	1·12	0·10	. .	. .	.....	.....	2	1·22	?	3·27	?	35·46	?
		Mande	.....	....	.....	0·22	... .	. .	... .	1	0·22	?	5·26	?	27·34	?
	Maldah	Maldah	.....	... .	0·70	0·03	0·16	0·01	1·05	3	1·95	2·70	5·19	11·16	31·85	46·10
		Chanchal	.....	0·25	.	0·?5	0·20	0·07	0·15	4	0·85	2·21	3·62	10·30	27·24	58·11
		Gajol	.....	.....	0·16	0·16	0·10	.	1·80	4	2·28	?	8·74	?	46·00	?
		Sibganj	.....	.....	0·10	.....	0·18	0·39	0·06	3	0·64	?	3·63	?	40·37	?
	Dinagepore	Mohadebpore	.....	.....	.	. .	0·32	0·20	.....	2	0·52	2·03	3·72	10·23	27·11	51·74
		Churamon	.....	.. ..	0·44	0·04	.	0·12	.....	2	0·60	1·98	6·66	11·79	43·19	49·20
		Raigunge	.....	.. ..	.....	.. ..		.....	.	Nil	Nil	1·71	6·02	10·13	50·05	53·18
		Dinagepore	.....	.....	.. ..	.. .	0·47	... .	0·10	2	0·57	2·32	1·83	10·57	37·87	57·10
		Baloorghat	.....	.....	.. .	. .	0·42	.....	... ..	1	0·42	2·02	1·58	10·60	36·45	49·35
		Thakoorgaon	.....	.....	.....	....	0·12	.....	.....	1	0·12	?	3·99	?	58·83	?
	Rungpore	Bhowanigunge (*Gyabanda*)	.....	.....	.....	. ..	0·31	.	0·40	2	0·70	3·02	3·53	11·51	47·05	54·23
		Rungpore	.....	... ..	.	. ..	0·27	0·04	.....	1	0·33	3·13	4·67	13·00	53·67	67·23
		Kurigram	.....	... .	0·02	.. ..	.....	.. ..	.. ...	1	0·23	2·93	1·?2	11·16	44·09	60·69
		Bagdogra (*Nilphamari*)	.....	. ...	0·23	... .	.....	.....	0·25	1	0·25	4·45	1·57	14·85	49·59	78·50
		Ulipore	.....	.....	... ..	.. ...	.....	... ..	. ....	Nil	Nil	?	2·82	?	47·16	?
	Julpigoree	Julpigoree	.....	.	.....	.....	.... .	0·12	0·02	2	0·14	5·51	0·55	23·18	55·83	107·61
		Alipore Dooars	.....	. ...	.. ..	... ..	.....	... .	..	Nil	Nil	?	0·91	?	69·09	?
		Fallacotta	.....	... ..	.....	.. ..	... ..	0·72	0·83	2	1·55	?	7·42	?	60·80	?
		Debiganj	.. .	.....	.....	. ..	0·11	.....	.. .	1	0·11	?	3·22	?	59·38	?
		Bhagatpore (Nagrakatta)	.....	... ..	...	.....	0·85	1·32	0·73	3	2·90	?	12·50	?	80·70	?
	Cooch Behar	Dinhatta	.....	.....	0·15	.....	.....	.....	0·07	1	0·22	3·70	3·01	17·19	61·20	87·43
		Cooch Behar	.. .	.. ..	.....	.....	.....	... ..	0·13	1	0·13	6·01	5·07	21·44	69·28	110·58
		Mekligunge	... ..	....	.....	.....	.....	0·05	.....	Nil	0·05	4·55	5·02	18·30	68·35	100·63
		Matabhanga	... .	... ..	.....	.. ..	.....	0·04	..	Nil	0·03	4·39	7·09	18·?8	70·81	101·38
	Darjeeling Hill.	Buxa	.....	.....	.. ...	0·02	.....	0·57	1·85	2	2·14	7·?8	20·40	2?·84	108·29	176·43
		Siliguri	.....	.....	.....	.. ..	... .	0·74	2·93	2	3·67	2·80	12·10	14·40	69·39	103·47
		Darjeeling	.....	.....	.....	.....	0·15	0·10	0·29	3	0·54	4·32	5·?1	16·87	82·12	101·17
		Kalimpong	.....	.. ..	.....	... ..	0·33	0·57	0·20	3	1·10	2·80	7·66	10·06	51·31	78·85
		Kurseong	.....	... ..	.....	.....	0·06	1·20	0·46	2	1·81	?	22·91	?	107·70	?
NORTH BEHAR	Purneah	Kissengunge	.....	.....	.....	.....	0·65	0·35				3·58		13·64		65·74
		Arrareah	.....	.....	.....	.....	1·29	0·22	0·87	3	1·88	3·75	4·34	13·19	40·17	58·75
		Purneah	.....	.....	.....	.....	0·06	.....	.....	Nil	0·06	2·74	6·20	13·86	33·02	50·44
		Gondwara										?		?		?
		Balarampore	... ..	.....	.....	. ...	0·23	0·60	.....	2	0·83	?	2·68	?	22·04	?
		Manari	.....	.....	.....	0·40	0·07	0·22	. ..	2	0·69	?	3·04	?	26·27	?
		Kaliaganj	....	.....	... ..	.....	0·30	0·05	0·08	1	0·43	?	3·?0	?	52·07	?
	North Bhagulpore.	Maddapore	.....	.....	... ..	.....	0·80	.....	0·05	1	0·85	2·55	1·63	9·93	29·19	43·98
		Soopool	.....	.....	.....	... .	1·13	... ..	0·14	2	1·27	2·00	2·51	9·63	24·00	44·23
		Protabganj	.....	.....	. ....	0·37	1·11	.....	0·67	3	2·15	?	7·79	?	38·81	?
	Durbhunga	Tajpore	.....	.....	.. ...	0·58	0·8?	.....	... ..	2	1·43	2·03	1·80	7·52	42·78	37·69
		Durbhunga	.....	.....	... ..	0·03	0·66	.....	0·31	2	1·00	2·24	2·91	8·63	36·?5	41·37
		Madhubani	.....	.....	... ..	... .	0·35	. ..	0·35	2	0·70	3·14	1·23	10·01	20·82	41·18
		Bahera	.....	.....	.. ...	0·40	1·10	0·04	. ...	2	1·54	?	3·?8	?	31·87	?
		Roshera	.....	.....	. ..	0·15	.....	... ..	0·20	2	0·35	?	0·45	?	18·73	?
	Mozufferpore	Sitamarhi	.....	.....	.....	.....	0·06	.....	... ..	Nil	0·06	3·01	1·51	9·15	45·29	30·13
		Mozufferpore	.....	... ..	.....	0·03	0·04	. .	0·04	Nil	0·11	3·43	0·04	9·28	28·71	40·85
		Hajipore	.....	.....	... ..	0·25	0·43	0·03	.....	2	0·71	2·33	2·88	6·45	27·24	36·81
		Paru	.....	.....	0·68	0·81						?		?		?
		Mahua	.....	.....	.....	0·15	0·22	.....	.....	2	0·37	?	1·37	?	44·10	?
		Sahar										?		?		?
		Pupri	.....	.....	.....	.....	0·65					?		?		?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 26th of Sept. 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 20th Sept.	Monday, 21st Sept.	Tuesday, 22nd Sept.	Wednesday, 23rd Sept.	Thursday, 24th Sept.	Friday, 25th Sept.	Saturday, 26th Sept.	Total—Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari	......	0·18	......	......	0·18	......	......	2	0·33	2·63	4·02	8·61	43·21	41·00
		Bettiah										3·78		8·24		43·64
		Bagaha	......	0·21	......	......	......	......	......	1	0·21	?	4·04	?	55·00	?
		Burhurwa	......	......	......	0·81	0·06	......	......	1	0·87	?	4·35	?	30·97	?
	Sarun ...	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	1·60	2·82	6·47	32·57	37·04
		Sewan	......	......	......	0·29	......	0·11	0·05	2	0·45	2·3	6·10	7·93	32·58	33·55
		Chuprah ...	......	......	0·19	0·63	0·13	0·23	......	4	1·18	1·90		6·05		35·86
SOUTH BEHAR	Shahabad	Buxar	......	......	......	0·41	0·02	......	0·03	1	0·43	1·58	4·95	6·77	18·16	33·83
		Dehree	......	......	......	0·88	0·09	......	0·10	2	1·07	0·91	4·59	7·50	27·39	37·71
		Bhaboorah ...	......	......	......	0·20	0·08	......	......	1	0·28	1·44	5·54	6·45	29·29	36·36
		Sasseram ...	......	......	......	0·43	0·07	......	0·10	2	0·66	1·61	5·27	6·61	22·71	35·68
		Arrah ..	......	......	0·40	0·16	......	0·90	0·10	4	1·65	1·52	6·40	6·47	26·07	35·82
		Mohaniah										?		?		?
	Gya	Aurungabad ..	......	......	......	0·48	0·35	......	......	2	0·83	1·25	2·45	6·54	23·79	38·52
		Gya ...	......	......	......	......	0·02	......	......	Nil	0·02	1·40	3·42	6·66	29·67	38·70
		Nowadah ...	......	......	0·76	0·04	......	0·15	......	2	0·9	1·64	4·17	6·71	37·03	31·07
		Jehanabad ..	......	......	......	......	0·10	......	0·20	2	0·30	0·92	1·65	5·22	21·42	35·92
		Arwal	......	......	......	......	......	......	......	Nil	Nil	?	3·70	·	23·03	?
		[illegible]audnagar	......	......	......	......	......	......	0·22	1	0·22	?	2·07		14·29	?
		Sherrghatti	......	......	......	0·92	......	......	......	1	0·92	?	2·75	·	19·96	?
		[illegible]	......	......	......	0·40	......	......	......	1	0·40	?	6·08	?	41·18	?
		Pakri Barawan	......	......	......	......	0·06	......	0·12	1	0·18	?	1·93	?	24·35	?
	Patna	Patna	......	......	......	0·12	0·03	0·25	......	2	0·40	1·68	3·45	6·48	28·99	37·49
		Dinapore	......	......	......	0·10	0·04	0·2	......	2	0·69	2·0	8·20	6·37	36·76	37·10
		Behar ..	......	......	......	......	0·30	0·40	0·10	3	0·80	1·32	4·03	6·26	36·20	37·47
		Barrh ..	......	......	......	......	0·20	......	0·30	2	0·50	2·39	3·10	7·44	39·73	35·48
		Bickram ..	......	......	......	0·74	......	......	0·83	2	1·57	?	3·56	?	25·84	?
		Hilsa	......	......	0·04	......	......	......	......	Nil	0·04	?	1·94	?	?	?
	Monghyr ...	Begooserai ...	......	......	......	......	......	......	......	Nil	Nil	1·67	1·86	6·72	27·89	35·68
		Monghyr	......	......	......	......	0·21	0·44	......	2	0·65	1·89	3·02	8·28	36·73	41·68
		Jamui	......	......	......	......	......	......	0·12	1	0·12	1·63	2·40	7·11	34·38	39·10
		Gogri	......	......	......	......	......	......	......	Nil	Nil	?	2·73	?	40·85	?
		Sheikpura ..	......	......	......	......	......	......	......	Nil	Nil	?	1·35	?	34·63	?
	South Bhagulpore	Bhagulpore ..	......	......	......	......	0·13	......	0·04	1	0·17	1·54	3·11	7·40	39·10	37·96
		Banka	......	......	0·32	......	0·68	......	0·04	2	1·04	2·01	6·58	7·49	44·41	38·04
		Kolgong ..	......	......	......	0·54	......	......	0·15	2	0·69	?	3·07	?	39·53	?
		Bungaon ..	......	......	......	......	......	......	......	Nil	Nil	?	0·38	?	25·99	?
	Sonthal Pergunnahs.	Rajmehal ..	......	......	......	......	0·35	......	0·14	2	0·49	2·39	3·68	11·07	35·09	47·87
		Goddu ..	......	......	0·47	0·07	0·05	0·11	......	2	0·70	2·13	5·53	9·14	35·27	40·96
		Pakour	......	......	0·58	0·11	0·09	0·04	0·27	3	1·09	1·88	4·29	11·59	35·16	50·05
		Nya Doomka	......	......	1·19	......	0·08	0·04	0·10	2	1·41	1·71	3·58	9·90	40·90	49·86
		Deoghur	......	......	0·14	......	......	......	0·32	2	0·46	2·04	4·09	8·29	33·05	41·42
		Jamtara ...	......	......	1·01	0·26	0·28	0·30	0·22	5	2·07	1·53	7·92	7·12	52·75	43·80
		Mohagama ..					0·3					?		?		?
		Nanihat ...	......	......	0·25	......	......	......	0·24	2	0·49	?	5·26	?		?
CHUTIA NAGPUR.	Hazaribagh .	Pachamba ... (*Giridih*).	......	......	1·38	0·51	0·15	0·15	0·34	5	2·53	1·88	7·33	8·34	42·88	43·15
		Hazaribagh	......	......	1·60	0·08	0·36	0·03	0·29	3	2·36	1·83	8·98	8·04	42·52	43·30
		Semtagurah	......	1·25	0·23	0·31	......	0·52	0·60	5	2·90	1·66	5·89	7·67	30·66	41·90
		Mahudi Hills										1·06		8·43		44·83
		Jhoomra Hills										1·70		10·59		56·22
		Barhi ..	......	......	0·40	0·70	0·38	0·03	0·21	4	1·72	?	7·17	?	36·76	?
		Chatra ..	......	......	1·34	......	0·21	......	0·03	2	1·58	?	4·77	?	28·62	·
		Karagdeha ..	......	......	0·07	......	0·35	......	0·07	1	0·49	?	7·17	?	41·01	?
		Ramghar ..	......	1·05	......	0·35	0·03	0·37	0·65	5	3·35	?	12·10	?	40·28	?
	Lohardugga ...	Lohardugga...	......	0·32	0·48	0·15	0·17	0·21	......	5	1·31	2·17	9·19	9·39	40·45	47·61
		Ranchi ...	......	......	0·64	0·23	0·84	0·15	0·30	5	2·22	1·83	13·13	8·58	41·03	47·50
		Palamow	......	......	2·20	0·20	0·09					1·53		7·24		3[illegible]·67
		Silli ..	1·00	......	0·05	0·40	0·50	1·50	0·75	5	4·20	?	11·55	?	43·88	?
		Balumat ..	......	1·16	0·33	0·26	......	0·28				?		?		?
		Hosseinabad	......	......	0·50							?		?		?
		Garwah ..	......	......	0·55		0·36					?		?		?
	Singhbhoom ...	Chyebassa ...	0·18	......	0·11	1·75	0·21	0·11	1·34	6	3·70	1·66	10·54	7·83	44·63	46·80
		Chakradharpore.												?		?
		Ghatsilla ..	......	......	......	2·70	0·55	1·40	......	3	4·65	?	11·70	?	56·10	?
		Baharagora	0·50	0·33	......	......	......	0·59	......	3	1·41	?	11·03	?	?	?
	Manbhoom ...	Purulia ...	......	......	......	0·18	0·15	0·48	0·80	4	1·61	1·54	8·74	7·66	47·72	44·32
		Gobindpore ..	......	......	0·06	0·15	0·13	0·46	0·07	3	0·87	1·21	3·42	7·02	33·82	40·32
		Raghunathpore.	......	......	0·13	0·08	0·48	0·26	0·20	4	1·15	?	6·87	?	47·47	?
		Barrabhoom	......	......	......	0·60	0·00	0·20	0·15	4	1·55	?	7·32	?	39·05	?
		Jhalda ...	......	......	......	0·85	......	1·03	0·58	3	2·46	?	7·24	?	40·33	?
		Chas ...	0·13	......	......	0·09	0·36	......	1·93	8	2·51	?	10·29	?	52·30	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 29th September* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 26TH OF SEPTEMBER 1891.

AT the close of the previous week pressure was falling rapidly at Moulmein and Rangoon, and winds at the Burma stations appeared to form part of a cyclonic circulation, the centre of which was to the east or south-east of Moulmein. It therefore appeared that a barometric depression was advancing in a westerly direction from Tenasserim or perhaps from Siam towards India. On the morning of the 20th, or the first day of the present week, the depression had advanced into the Gulf of Martaban, and its centre was to the south of Rangoon. It then advanced in a west-north-westerly direction or almost westerly direction, and at 8 P.M. on that day it was almost between Bassein and Diamond Island; but it was a feeble depression and gave only squally weather with very moderate winds. By 8 A.M. of the 21st instant the centre of the depression had passed out into the Bay of Bengal, though apparently it was not very far from land, but in its rear pressure was rising very rapidly at the Burma stations. The small storm during the 21st advanced across the Bay in a north-westerly direction, its rate of movement being at least 15 miles an hour, and on the morning of the 22nd pressure was falling very rapidly at False Point and less rapidly generally in the north-west angle of the Bay, showing that the depression was advancing towards Orissa, and the centre of the small storm was to the south-east of False Point, though still at a considerable distance from the land. The small storm still advanced quickly on the 22nd, and at about 5 P.M. crossed the coast close to False Point, where at 4 P.M. the low pressure of 29·436" was recorded. Notwithstanding the very rapid fall of pressure towards the centre, and the steep baric gradients which accompanied the storm, and that there was a very complete cyclonic circulation of winds, the wind velocities registered were never more than moderate in amount, though hard squalls were reported at False Point and general squally weather was reported from the coast stations. In the rear of the storm, however, rather strong winds were blowing, and for some days after its passage inland strong winds prevailed in the north and north-west of the Bay. On the morning of the 23rd the centre of the depression was well inland and was approaching in the direction of Raipore in the Central Provinces, and on the 24th the centre was between Seoni and Raipore. After passing inland close to False Point, therefore, the direction of the advance of the storm was no longer north-westerly as it had been across the Bay, but became almost due west, or perhaps it had reverted to the direction it had had when travelling through the Gulf of Martaban from Siam. On the 25th the storm centre was over Nagpur, on the 26th it was between Nagpur and Amraoti, and on the 27th the depression had become slighter and the centre had moved in a more northerly direction and was close to Seoni, while on the 28th it had again decreased in intensity and had advanced in a north-easterly direction and was near Jubbulpore. During the whole of the existence of the storm, winds circulated cyclonically round it, and the wind circulation had a very wide influence and was rather strong even at some distance from the centre. For the whole week, therefore, in Bengal, winds have been strongly easterly. At first they were almost winds of indraught towards the storm, but as it advanced further inland a moderate monsoon current began to spread over Bengal, and rainfall became general, though light, in all districts; and thus rain commenced to fall from the 21st and 22nd in the southern districts and from about the 23rd or 24th in the northern districts, and in most cases rain has fallen on from two to four days in the week.

As there was such a strongly pronounced easterly element in the wind direction towards the storm which advanced through the Central Provinces, the main force of the monsoon current has again been confined to the south-western districts of the province, and thus Orissa has again received a rainfall very considerably in excess of the normal, South-West Bengal and Chutia Nagpur falls slightly in excess, while in all other districts the falls have been in defect; the deficiency being very large in North Bengal and North Behar.

Pressure.—The variations of pressure during the week have been mainly influenced by the progress of the small storm previously described. On the 20th the pressure changes were unimportant, and pressure was falling at the eastern and northern stations, while it was rising elsewhere. On the 21st a general fall had set in, the fall being largest in the north-west angle of the Bay, while on the 22nd the fall became very rapid and at False Point it equalled 0·123", and pressure continued to fall till the storm centre passed inland on the evening of this day. On the 23rd pressure was still falling at some of the western stations, but in the rear of the storm the rise of pressure was very rapid, and this increase continued for the following two days, but by small amounts, except at the northern stations where on the 26th pressure had begun to fall. The variations of pressure during the week have therefore been large, but the mean pressure has generally been above the normal only by moderate amounts, the usual excess equalling from about 0·03" to 0·05". This excess, as may be expected, has been generally largest at the northern stations and smallest in Orissa, through which the storm passed, where it has been only 0·018". In Assam, also, the excess has been small and has only equalled 0·018."

Temperature.—The mean temperature for the week has been below the normal in Orissa, South-West Bengal, and Chutia Nagpur, the divisions where the rainfall has been in excess; but in all other divisions the mean temperature has been from about 1° to 2° in excess. The

largest defect has been 1·7° in Orissa, and the largest excess 2° in North Behar. For the whole province the mean temperature has been only 0·3° above the normal. In Assam temperature has also been in excess, the amount being no less than 2·5°.

Rainfall.—In Orissa the very heavy average fall of 5·70 inches has been reported during the week, or nearly 4 inches in excess of the normal; Chutia Nagpur has received 2·10 inches, or nearly half an inch in excess; and South-West Bengal almost two inches, or a fall very slightly in excess of the normal. In East Bengal an average fall of nearly two-and-a-half inches is recorded, which is slightly below the normal amount. In the other districts the falls have been very much smaller than these. South Behar has received only 0·70 inch, or considerably less than half the normal fall. In North Behar the same amount of 0·70 inch has been received; but this only represents about a fourth of the usual fall. Finally, North Bengal has received the smallest falls of any division, and only averages 0·44 inch, which is only equal to one-seventh of the normal fall for the period.

From the 1st of September up to the 26th the falls in North Behar have only averaged 3·14 inches, or about a third of the normal fall; in North Bengal the falls have equalled 3·84 inches, or decidedly less than a third of the usual amount; and in South Behar the falls have averaged 4·34 inches, or rather more than half the normal fall. In East Bengal for this period the falls have equalled about half the normal, in South-West Bengal nearly two-thirds the normal, and in Chutia Nagpur the fall has been just equal to the normal. In Orissa, on the other hand, no less than sixteen inches of rain have fallen, or nearly seven inches of rain in excess of the normal.

During the past week the following districts have again been extremely deficient in rain:—Bogra, Rajshahye, Dinagepore, Rungpore, Julpigoree, Mozufferpore, Chumparun, and Bhagulpore.

In Assam during the week, Sibsagar has received 1·75 inches, Silchar 0·76 inch, and Dhubri only 0·03 inch of rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 26th of September 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92·4	74·1	86·1	77·3	81·7	−1·7	5·70	1·85	+3·85	4·75	2·29	+2·46	16·10	9·60	46·40	44·47
South-West Bengal ...	94·3	74·1	87·8	77·1	82·5	−0·8	1·87	1·84	+0·03	3·67	2·48	+1·19	5·49	8·54	41·20	45·90
East Bengal	93·3	73·8	88·4	76·6	82·5	+0·3	2·40	2·76	−0·36	3·20	2·86	+0·34	5·78	11·47	54·57	66·64
North Bengal	95·5	74·2	90·6	77·4	84·0	+1·8	0·44	3·17	−2·73	1·36	2·76	−1·40	3·84	12·60	44·38	63·32
North Behar	96·2	74·3	92·1	78·1	85·1	+2·0	0·70	2·73	−2·03	1·44	1·92	−0·48	3·14	9·33	33·65	49·92
South Behar	97·3	73·3	91·2	77·0	84·5	+1·2	0·70	1·66	−0·96	2·00	1·99	+0·01	4·34	7·50	33·24	39·35
Chutia Nagpur	88·2*	69·4*	82·5*	71·1*	76·8*	−0·8*	2·10	1·70	+0·40	4·00	2·17	+1·83	8·23	8·26	40·65	44·96
Assam	99·6	75·8	91·2	77·6	84·6	+2·5										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 29th September 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 20th to 26th September 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature. Daily mean.	Maximum.	Range.	Minimum.	Hygrometry. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
September...	20th ...	29·851	84·8	90 0	10·4	79·6	86·1	81·0	·992	79·0	80	Nil
,, ...	21st ...	·777	81·9	84·9	6·1	78 8	83·8	79·[illegible]	·951	77·7	83	0·26
,, ...	22nd ...	·735	80·4	85·1	9·5	75·6	79·6	78·5	·963	78·1	95	0·32
,, ...	23rd ...	·773	80·6	83·9	6·7	77·2	84·6	80·5	·987	78·8	83	0·09
,, ...	24th ...	·801	81·4	85·9	9·1	76·8	81·0	79·5	·988	78 9	93	0·76
,, ...	25th ...	·842	81·1	84·9	7·6	77·3	78·4	77·5	·932	77·1	95	0·48
,, ...	26th ...	·860	81 4	85 9	9·1	76·8	82·2	79·5	·973	78·4	89	0·06

	Inches
The mean 10 A.M. pressure of the seven days	29·806
	°
The mean temperature of the seven days	81·7
The extreme variation of temperature	14·4
The maximum temperature	90 0
	%
The mean 10 A.M. relative humidity of the seven days	88
	Inches.
The total fall of rain from 20th to 26th September 1891	1·92

The daily mean temperatures are the crude means of maximum and minimum temperatures.

J. H. GILLILAND,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 28th September 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 12th September 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of population per annum.			BIRTHS. Ratio of male births to every 100 female births.	MORTALITY ACCORDING TO— Diseases. Deaths from—							MORTALITY ACCORDING TO— Diseases. Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the preceding week.	Sex. Deaths.		Sex. Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*		Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*		Male.	Female.	Male.	Female.	
Burdwan ..	Burdwan ...	13,063	16,017	34,080	7	7	*14*	10·7	19·7	*21·4*	100	...	..	10	2	2	2	*16*	...	..	15·3	3·0	3·0	3·0	*24·4*	27·5	10	6	28·8	19·5	147
	Raniganj	6,243	4,691	10,937	4	3	*7*	19·0	14·3	*33·3*	133	1		...	...	...	1	*2*	4·7	..	..		...	4·7	*9·5*	9·5	..	2	...	22·2	No male death.
Bankura	Bankura	8,970	8,925	17,895	6	8	*14*	17·4	23·2	*40·7*	75	...	..	2	2	...	...	*4*		...	5·8	5·8	...	..	*11·6*	5·8	1	3	5·8	17·5	33
Birbhum .	Suri ...	3,982	3,866	7,848	3	1	*4*	19·9	6·6	*26·5*	306			2	...		..	*2*	...	...	13·3	...	...	...	*13·3*	13·3	1	1	13·1	13·5	97
Midnapore .	Midnapore ...	16,927	16,633	33,560	19	16	*35*	29·4	24·8	*54·2*	119	..		5	3	1	7	*16*	...	...	7·7	4·6	1·5	10·8	*24·8*	23·2	11	5	33·8	15·6	216
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	10	4	*14*	16·4	6·6	*23·0*	250	3		13	4	..	5	*25*	4·9	..	21·3	6·6	...	8·2	*41·0*	44·3	12	13	39·3	42·7	92
	Serampore .	13,559	12,937	26,496	15	3	*18*	29·4	5·9	*35·3*	500	.		9	8	1	4	*22*	...	...	17·7	15·7	2·0	7·8	*43·2*	66·7	14	8	53·7	32·2	166
	Utterpara	3,046	2,464	5,510	1	1	*2*	9·4	9·4	*18·9*	100	1	...	..	..	...	...	*1*	9·4	.	..	...	...	...	*9·4*	37·7	1	...	17·1	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	24	23	*47*	13·7	13·2	*26·9*	104	3	...	14	9	2	15	*43*	1·7	..	8·0	5·2	1·1	8·6	*24·6*	15·5	24	19	23·5	26·2	89
	Bali	7,836	6,979	14,815	5	5	*10*	17·5	17·5	*35·1*	100	1	...	1	.	...	1	*3*	3·5	...	3·5	...	..	3·5	*10·5*	24·6	2	1	13·3	7·5	177
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	11	1	*12*	21·7	2·0	*23·7*	1,100	5	...	26	2	...	6	*39*	9·9	...	51·4	4·0	...	11·8	*77·1*	71·2	22	17	71·1	56·5	88
	Manicktola ..	16,536	12,112	28,648	4	2	*6*	7·3	3·6	*10·9*	200	..	...	10	..	.	1	*11*	...	...	18·2	...	...	1·8	*20·0*	16·3	5	6	15·7	25·8	61
	Baranagore ..	15,920	14,062	29,982	4	...	*4*	6·9	...	*6·9*	No female birth.	6		9	2	..		*17*	10·4	..	15·6	3·5	...	...	*29·5*	31·2	10	7	32·7	25·9	126
	South Suburban*																														
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	2	2	*4*	3·8	3·8	*7·6*	100	...	...	3	2	...	3	*8*	...	...	5·6	3·8	...	5·6	*15·1*	11·4	5	3	19·8	11·0	178
	Ranaghat ...	4,026	4,655	8,683	2	2	*4*	11·9	11·9	*23·9*	100	1	..	4	...	...	2	*7*	6·0	..	23·9	..	...	11·9	*41·9*	18·0	5	2	64·5	22·3	259
	Santipore ...	13,708	15,979	29,687	6	6	*12*	10·5	10·5	*21·0*	100	...	...	3		...	...	*3*	...	...	5·3	...	...	...	*5·3*	7·0	...	3	...	9·8	No male death.
Jessore ...	Jessore	4,930	3,665	8,495	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30·6	...	...	...	...	......
Murshedabad	Berhampore ...	11,657	11,948	23,605	6	3	*9*	13·2	6·6	*19·8*	200	...	...	3	1	..	5	*9*	...	...	6·6	2·2	...	11·0	*19·8*	22·0	5	4	22·3	17·4	128
	City Murshedabad	18,901	20,330	39,231	9	9	*18*	11·9	11·9	*23·9*	100	1	...	9	2	...	1	*13*	1·3	...	11·9	2·6	...	1·3	*17·2*	17·2	6	7	16·5	17·9	93
Khulna ...	Khulna	3,249	3,043	6,292	4	7	*11*	33·0	57·9	*90·9*	57	...	...	5	...	...	...	*5*	...	...	41·3	...	...	...	*41·3*	24·8	2	3	32·0	51·3	62
Dinajpore ...	Dinajpore	7,254	5,306	12,560	2	6	*8*	8·3	24·8	*33·1*	33	...	...	12	1	...	...	*13*	...	...	49·7	4·1	...	...	*53·8*	33·1	8	5	57·3	49·0	116

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	4	2	*6*	10·5	5·3	*15·8*	200	1	...	12	1	2	1	*17*	2·6	...	31·5	2·6	5·3	2·6	*44·7*	47·3	8	9	38·6	51·9	74
Rungpore ...	Rungpore	8,011	5,309	13,320	...	...	...	...	...	...	...	...	...	5	...	...	3	*8*	...	...	19·5	...	...	11·7	*31·2*	35·0	3	5	19·5	49·0	39
Bogra ...	Bogra	3,480	2,699	6,179	...	3	*3*	...	25·2	*25·2*	No male birth.	...	...	2	...	...	3	*5*	...	...	16·8	...	...	25·2	*42·1*	42·1	2	3	29·9	57·8	52
Pubna ...	Pubna	7,701	7,566	15,267	6	12	*18*	20·4	40·9	*61·3*	50	...	...	2	...	2	8	*12*	...	...	6·8	...	6·8	27·2	*40·9*	34·1	7	5	47·3	34·4	137
	Serajganj*																														
Darjeeling ...	Darjeeling... ...	4,579	2,439	7,018	2	3	*5*	14·8	22·2	*37·0*	66	...	...	8	3	...	...	*11*	...	...	59·3	22·2	...	...	*81·5*	103·7	6	5	68·1	106·6	64
Julpaiguri ...	Julpaiguri... ...	4,972	2,975	7,947	3	7	*10*	19·6	45·8	*65·4*	42	1	...	4	4	1	3	*12*	6·5	...	26·2	26·2	6·5	19·6	*85·1*	13·1	7	6	73·2	104·9	69
Dacca ...	Dacca	42,782	37,379	80,161	10	13	*23*	6·5	8·4	*14·9*	77	2	...	11	6	...	11	*30*	1·3	...	7·1	3·9	..	7·1	*19·5*	15·6	21	9	25·5	12·5	264
	Naraingunj ...	7,605	4,956	12,561	2	2	*4*	8·3	8·3	*16·6*	100	...	...	3	1	...	...	*4*	...	...	12·4	4·1	...	...	*16·6*	49·7	2	2	13·7	21·0	65
Faridpore ...	Faridpore	5,663	4,600	10,263	1	1	*2*	5·0	5·0	*10·1*	100	...	...	3	...	...	...	*3*	...	...	15·2	...	..	...	*15·2*	20·3	2	1	15·4	11·3	162
Backerganj ...	Barisal	8,701	4,485	13,186	3	3	*6*	11·8	11·8	*23·7*	100	1	...	1	...	...	3	*5*	3·9	...	3·9	...	...	11·8	*19·7*	23·7	3	2	17·9	23·2	77
Mymensing ...	Nasirabad* ...																									10·5					
Chittagong ...	Chittagong ...	13,340	8,790	22,130	2	2	*4*	4·7	4·7	*9·4*	100	...	...	...	...	...	2	*2*	...	...	...	...	...	4·7	*4·7*	4·7	2	...	7·8	...	No female death.
Noakhali ...	Sudharam ...	3,410	1,714	5,124	...	1	*1*	...	10·1	*10·1*	No male birth.	...	...	1	...	...	1	*2*	...	...	10·1	...	...	10·1	*20·2*	10·1	...	2	...	60·7	No male death.
Tipperah ...	Comillah	8,153	5,353	13,506	5	2	*7*	19·3	7·7	*27·0*	250	...	...	1	...	...	2	*3*	...	...	3·8	...	...	7·7	*11·6*	23·1	1	2	6·4	19·4	33
Patna ...	Patna City ...	78,762	81,475	160,237	28	26	*54*	9·1	8·4	*17·5*	108	8	...	37	2	...	24	*71*	2·6	...	12·0	·6	...	7·8	*23·0*	24·7	37	34	24·4	21·7	112
	Behar	23,799	25,172	48,971	20	17	*37*	21·2	18·1	*39·3*	117	...	..	9	2	...	6	*17*	...	...	9·6	2·1	...	6·4	*18·1*	26·5	11	6	24·0	12·4	193
Gya ...	Gya	38,290	37,831	76,121	31	23	*54*	21·2	15·7	*36·9*	135	17	...	42	1	...	27	*57*	11·6	...	23·7	·7	...	18·4	*59·4*	41·7	49	38	66·5	52·2	127
Shahabad ...	Arrah	20,960	22,505	43,465	18	15	*33*	21·5	17·9	*39·5*	120	13	...	14	...	1	9	*37*	15·6	...	16·7	...	1·2	10·8	*44·3*	23·9	21	16	52·1	37·0	140
	Buxar	9,299	8,369	17,668	...	2	*2*	...	5·9	*5·9*	No male birth.	1	...	8	1	...	7	*17*	2·9	...	23·5	2·9	...	20·6	*50·0*	14·7	8	9	44·7	55·9	79
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	10	7	*17*	13·2	8·5	*20·7*	143	4	...	6	2	1	3	*16*	4·9	...	7·3	2·4	1·2	3·6	*19·5*	28·0	7	9	15·8	23·8	66
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	29	14	*43*	23·8	11·0	*33·8*	207	1	1	17	2	...	10	*31*	·8	·8	13·4	1·6	...	7·8	*24·4*	17·3	11	20	16·9	32·2	52
Sarun ...	Chupra	25,116	26,554	51,670	22	17	*39*	22·1	17·1	*39·2*	129	15	...	4	...	...	14	*33*	15·1	...	4·0	...	...	14·1	*33·2*	19·3	11	22	22·8	43·1	53
Chumparun ...	Motihari	6,328	3,979	10,307	6	4	*10*	30·3	20·2	*50·5*	150	...	...	10	...	...	3	*13*	...	...	50·5	...	...	15·1	*65·6*	35·3	6	7	40·3	91·5	54
Monghyr ...	Monghyr	28,154	29,366	57,520	18	17	*35*	16·3	15·3	*31·6*	105	16	...	14	4	1	10	*45*	14·3	...	12·7	3·6	·9	9·0	*40·7*	55·1	26	19	48·0	33·6	142
	Jamalpore... ...	7,456	6,107	13,563	9	4	*13*	34·5	15·3	*49·8*	225	1	...	6	3	...	6	*16*	3·8	...	23·0	11·5	...	23·0	*61·3*	61·3	8	8	55·8	65·1	82
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	19	22	*41*	14·4	16·8	*31·2*	86	9	...	19	1	...	9	*38*	6·9	...	14·4	·8	...	6·9	*29·0*	33·5	22	16	32·8	25·0	131
Purneah ...	Purneah	8,463	6,553	15,016	2	3	*5*	6·9	10·4	*17·3*	66	...	...	5	...	...	2	*7*	...	...	17·3	...	...	6·9	*24·2*	6·9	6	1	36·9	7·9	467
Maldah ...	English Bazar ...	6,289	6,141	12,430	4	1	*5*	16·7	4·2	*20·9*	400	1	...	10	1	...	3	*15*	4·2	...	41·8	4·2	...	12·6	*62·8*	29·3	9	6	74·4	50·8	146
Southal Pergunnahs.	Deoghur	4,964	3,041	8,005	1	1	*2*	6·5	6·5	*13·0*	100	...	...	1	...	...	1	*2*	...	...	6·5	...	...	6·5	*13·0*	6·5	1	1	10·5	17·1	61
Cuttack ...	Cuttack*																														
Poori ...	Poori	13,247	11,537	24,784	5	...	*5*	10·5	...	*10·5*	No female birth.	...	...	2	7	...	1	*10*	...	...	4·2	14·7	...	2·1	*21·0*	53·6	9	1	35·3	4·5	784
Balasore ...	Balasore	10,282	9,983	20,265	8	7	*15*	20·5	18·0	*38·5*	114	...	1	5	1	...	5	*12*	...	2·6	12·8	2·6	.	12·8	*30·8*	18·0	9	3	45·5	15·6	291
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	...	7	*7*	...	23·8	*23·8*	No male birth.	...	..	4	2	...	1	*7*	...	...	13·6	6·8	...	3·4	*23·8*	27·2	1	6	6·8	40·7	16
Lohardugga ...	Ranchi	10,101	8,342	18,443	4	7	*11*	11·3	19·7	*31·0*	57	2	...	5	1	...	3	*11*	5·6	.	14·1	2·8	..	8·4	*31·0*	22·6	4	7	20·6	43·6	47
Singbhum ...	Chaibassa	3,126	2,880	6,006	1	...	*1*	8·7	...	*8·7*	No female birth.	...	...	2	...	...	...	*2*	...	...	17·3	...	...	...	*17·3*	17·3	1	1	16·6	18·1	91
Manbhum ...	Purulia	5,080	4,244	9,304	8	8	*16*	44·7	44·7	*89·4*	100	...	...	4	...	...	3	*7*	...	...	22·3	...	...	16·8	*39·1*	27·9	2	5	20·6	61·3	33
	Total ...	801,338	725,867	1,527,205	425	362	*787*	14·5	12·3	*26·8*	117	115	2	417	83	14	237	*868*	3·9	·1	14·2	2·8	·5	8·1	*29·6*	28·3	467	401	30·3	28·7	105

* Return not received up to date.

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	...	12	4	...	...	...	26·3	20·3	...	...	1	1	3	...	1	3	2	3	1	1	78·6	23·0	66·9	...	16·6	19·7	15·1	35·3	21·2	35·1
	Raniganj ...	...	...	2	...	...	...	...	56·5	...	..	1	..	...	...	.	...	1	..	...	..	221·3	...	...	...	...	...	24·2	...	...	...
Bankura ...	Bankura ...	...	4	...	.	...	...	12·3	...	..	...	.	.	...	...	...	..	1	...	1	2	...	...	...	...	...	...	19·7	...	47·0	104·7
Birbhum ...	Soori ...	...	1	1	...	...	...	8·9	26·1	..	...	...	...	...	...	...	...	1	1	...	...	..	...	...	..	..	...	42·6	59·0	...	...
Midnapore ...	Midnapore ...	...	14	2	...	..	...	28·1	14·4	...	...	3	...	...	1	4	2	1	4	...	1	210·0	...	...	17·1	65·8	14·3	9·4	55·8	...	28·4
Hughli, including Serampore.	Hughli and Chinsurah.	...	21	4	...	...	...	43·2	33·7	...	...	4	1	5	1	...	3	...	1	3	4	250·0	93·7	90·1	21·0	...	25·1	...	12·5	60·0	100·3
	Serampore ..	...	21	1	..	.	...	43·3	55·4	...	...	2	3	2	2	1	1	..	6	3	2	146·5	86·4	41·4	40·8	23·8	9·7	...	92·5	81·5	74·8
	Utterpara ..	...	1	...	..	..	...	9·8	...	...	..	..	...	...	.	...	...	...	1	...	.	...	...	...	...	...	...	...	74·2	...	...
Howrah ...	Howrah ...	...	32	11	...	...	..	24·4	27·9	...	...	9	3	2	2	4	7	1	6	4	5	226·9	28·2	16·5	15·8	28·4	16·0	2·7	26·5	37·9	69·3
	Bali ...	...	3	...	..	...	...	11·6	...	..	...	2	1	...	...	..	...	...	...	..	...	237·3	52·1	...	...	...	...	...	...	...	...
24-Pergunnahs.	Cossipore-Chitpore	...	21	18	.	...	...	59·8	118·9	...	...	6	4	5	1	2	6	3	4	2	6	652·7	235·8	331·6	20·6	114·4	32·8	24·4	83·1	106·9	666·7
	Manicktola ...	...	9	2	..	...	...	25·0	9·1	...	...	2	1	1	...	1	2	1	1	1	1	1,677·6	348·1	321·0	...	27·3	12·8	6·4	11·5	32·0	54·0
	Baranagore ...	...	15	2	..	...	...	30·3	25·1	...	.	...	2	...	...	2	6	1	1	2	3	...	50·7	...	...	45·4	48·7	8·9	12·6	50·3	93·1
	South Suburban*																														
Nuddea ...	Krishnagar ...	...	4	4	..	...	..	11·2	25·1	...	...	3	1	...	...	2	...	...	...	1	1	314·5	21·1	...	...	50·6	...	...	...	24·7	30·1
	Ranaghat ...	...	6	1	...	...	...	42·6	38·1	..	...	2	...	...	1	...	...	1	1	...	2	502·4	...	...	59·9	...	...	41·7	51·8	...	182·8
	Santipore ...	...	3	...	...	...	...	7·5	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	23·4	...	...	...	22·6	26·5
Jessore ...	Jessore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Murshedabad.	Berhampore ...	...	8	1	...	...	...	22·9	10·0	...	..	4	...	...	...	1	...	2	2	...	...	551·7	...	...	.	29·5	...	23·4	30·2	...	...
	City Murshedabad	...	6	6	...	1	...	13·7	19·7	...	80·4	1	1	1	...	1	1	4	3	...	1	68·2	21·2	15·1	...	20·1	7·1	28·6	26·7	...	16·8
Khulna ...	Khulna ...	...	2	3	...	...	...	32·6	51·2	...	...	...	2	1	1	...	...	...	1	...	...	...	130·3	65·4	71·9	...	...	...	79·8	...	...
Dinajpore ...	Dinajpore ...	...	5	8	...	...	...	42·9	64·9	...	...	3	1	3	1	...	1	...	2	1	1	757·3	60·2	124·6	52·0	...	19·3	...	66·3	62·7	81·4
Rajshahye ...	Rampore Beauleah	...	8	9	...	...	...	42·0	47·7	...	...	1	2	3	3	1	...	1	1	2	3	128·1	73·3	75·0	86·6	31·3	...	14·4	21·2	83·8	162·0
Rungpore ...	Rungpore ...	...	2	6	...	...	...	16·1	46·9	.	..	1	...	3	...	...	1	1	...	...	3	223·2	...	124·0	...	..	16·4	13·9	...	...	201·9
Bogra ...	Bogra ...	...	...	5	...	...		...	75·1	...	...	2	...	..	...	...	.	3	...	...	...	759·1	...	...	...	...	...	146·3	...	...	...

District	Town	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Pubna	Pubna	..	10	2	...	..	...	72·9	12·8	...	.	5	1	1	..	. .	2	1	..	...	2	654·9	35·7	30·8	...	...	35·8	20·8	...	...	104·5
	Serajganj*																														
Darjeeling	Darjeeling	...	9	2	...	...	...	101·9	169·9	...	...	1	6	1	1	...	...	1	1	...	...	429·8	485·2	88·9	106·6	...	...	36·3	75·1	..	...
Julpaiguri	Julpaiguri	...	7	6	...	...	...	55·7	85·5	...	..	1	..	...	...	...	6	3	...	1	2	353·7	...	...	...	...	172·1	103·4	..	125·9	390·2
Dacca	Dacca	...	24	6	..	...	.	31·0	7·9	...	...	4	...	4	2	3	5	2	1	8	6	109·6	...	21·0	13·1	21·4	17·0	8·9	6·2	33·9	56·0
	Narainganj	...	2	2	...	...	...	16·4	16·9	. .	...	...	2	.	...	..	1	...	...	...	1	. .	91·2	...	...	...	19·5	..	. .	...	79·8
Faridpore	Faridpore	...	2	1	. .		..	19·4	10·7	...	...		1	...	. .		1	..	.	...	1	...	41·7	.	...	...	28·0	...	...	...	70·2
Backerganj	Barisal	...	..	5	...	...	...	...	38·1		...	2	1	..	...	...	1	...	...		1	530·6	61·1	...	...	...	16·4	...	...	...	91·7
Mymensing	Nasirabad*																														
Chittagong	Chittagong	...	2	...	...	..	...	17·9	. .	. .	...	1	...	..	1	...	...	...	...	...	. .	92·4	...	...	20·2	...	...	...	...	...	...
Noakhali	Sudharam	.	2	.		.	...	40·6	..	. .		...	.	...	1	..	...	...	1	...	..	...	...	. .	101·6	. .	..	...	101·8	...	...
Tipperah	Comillah	...	2	1		..	..	17·5	7·0		...	1	1	..	...	...		...	.	.	1	175·1	39·8	.	...	...	. .	...	...	. .	76·7
Patna	Patna City	...	56	13	...	.	...	25·4	16·5	.	..	11	9	5	5	5	2	6	7	6	15	132·7	32·1	15·4	18·1	23·3	3·6	13·4	19·3	22·1	56·5
	Behar	..	11	6		..	.	17·0	22·4	...	..	6	3	...	...	...	3	...	. .	5	.	210·1	26·9	...	...	...	18·4	...	...	71·9	...
Gya	Gya	...	74	13	...	...	..	64·1	12·0	.	...	15	19	3	2	5	6	5	10	1	21	435·8	155·5	22·3	15·5	49·6	21·2	20·4	53·2	7·9	212·2
Shahabad	Arrah		24	13	...	...	...	40·2	51·5	...	...	3	6	7	3	1	2	1	3	5	6	121·1	70·4	71·0	35·3	16·5	13·2	8·1	33·3	84·0	108·2
	Buxar	...	15	2	...			57·5	28·9	...		2	1	1	1	...	2	5	3	1	1	250·6	30·2	25·3	23·3	...	32·6	85·4	73·5	47·2	48·1
Mozufferpore	Mozufferpore	...	10	6		. .	...	17·3	25·0	...	..	3	1	2	1	1	1	1	2	...	4	163·4	12·9	23·1	13·1	17·2	6·1	7·5	20·8	...	85·5
Durbhanga	Durbhanga	...	23	8	...	...	.	24·7	23·7	...		5	6	2	.	4	5	1	1	1	6	167·0	41·0	13·3	...	51·7	19·5	4·7	7·0	11·9	97·7
Sarun	Chupra	...	25	7	...	...	...	34·1	30·6	...	...	7	9	1	1	2	2	4	1	3	3	258·0	90·7	8·7	10·4	30·0	11·3	26·7	8·6	37·7	45·9
Chumparun	Motihari	...	10	3	...	...	...	68·5	56·3	.	.	4	3	...	...	1		2	1	2	...	1518·2	158·9	...	...	78·0	...	70·2	48·5	111·5	...
Monghyr	Monghyr	1	31	13	...	...	218·5	36·1	53·8	...	...	7	8	3	2	2	7	3	3	3	7	245·1	66·8	22·1	18·1	27·5	35·2	17·5	24·5	39·2	101·5
	Jamalpore	.	12	4		.	...	63·5	67·0	...	...	5	3	3	...	.	1	1	...	1	2	732·4	102·4	90·2	...	...	18·5	21·6	...	75·9	155·9
Bhagulpore	Bhagulpore	..	31	7	..		..	32·9	19·3	..	...	10	7	3	...	4	2	2	1	1	8	302·4	56·1	22·1	...	42·0	5·0	9·5	6·8	10·3	96·7
Purneah	Purneah	...	6	1	.		...	34·0	9·2	...		1	...	2	...	...	...	1	1	1	1	153·7	...	65·8	...	...	...	18·2	28·0	55·5	64·4
Maldah	English Bazar	.	8	7	...	...		57·2	70·7	..		2	1	.	...	..	5	1	1	1	4	352·5	54·6	...	..	...	113·2	24·2	35·3	69·5	295·9
Sonthal Pergunnahs.	Deoghur		2	...	...	...		13·5		...	..	1	...	.	...	...	...	...	1	...	..	400·0	...	...	...	...	...	...	55·5	...	...
Cuttack	Cuttack*																														
Poori	Poori		10	..	.	...	.	21·2	..	...	...	2	2	...	...	1	...	2	1	1	1	343·2	57·9	...	...	28·0	...	25·7	15·6	23·3	28·8
Balasore	Balasore	...	8	4	...	..		24·7	67·8	...	.	2	1	...	...	1	5	2	1	...	2	196·6	27·9	. .	...	30·4	38·2	35·5	23·4	...	89·8
Hazaribagh	Hazaribagh		6	1	.	...	.	28·4	12·6		..	3	1	2	...	...	...		1	...	...	320·3	28·6	51·8	...	...	...	...	31·9	...	...
Lohardugga	Ranchi	...	9	1	...	1	. .	50·8	9·6	.	22·0	3	3	...	...	...	2	2	1	...	.	331·9	84·7	...	...	...	27·3	33·9	29·6	...	...
Singbhum	Chaibassa	..	2	. .	..	.	...	23·3		.		...	1	..	. .	..	...	...	...	...	1	...	93·7	...	...	...	...	...	.	...	285·7
Manbhum	Purulia	...	7	...		...	...	46·7		...	...	3	...	...	...	1	1	1	.	...	1	881·4	...	...	...	62·7	20·1	30·7	...	...	151·6
	TOTAL	1	641	224	..	2	4·5	31·1	26·7	...	23·7	15·7	122	69	33	52	33	71	54	58	133	231·5	45·5	23·0	12·4	23·6	15·6	14·2	23·1	27·9	75·9

* Return not received up to date.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 29th September 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 26th September **1891**, *as compared with the corresponding week of the previous year.*

Nature of Cargo.	Week ending Saturday, the 26th September 1891.			Week ending Saturday, the 27th September 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	775	1,75,475	2,973	335	85,630	1,424
Jute	148	51,815	867	318	1,17,435	2,148
Firewood	81	47,400	662	83	41,900	649
Other articles	871	1,95,130	2,898	722	1,83,010	2 830
Total ...	1,875	4,69,820	7,400	1,458	4,27,975	7,051

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 19th September 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.*		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*273,012	*2,68,850 13 0	22,45,354 10	5,52,753 9 0	14,388 14 0	8,35,793 4 0	71,472½	92,111	163,583½
Or per mile of railway	......	176 1 8	.....	362 5 6	9 6 11	547 14 1	......	......	......
For previous 11 weeks of half-year	2,603,286	25,95,375 5 0	2,37,49,922 0	56,63,224 12 8	1,52,829 13 0	84,11,429 14 3	766,812½	991,255½	1,758,068
Total for 12 weeks ...	2,876,298	28,64,026 2 0	2,59,95,276 10	62,15,978 5 8	1,67,218 11 0	92,47,223 2 3	838,285½	1,083,366½	1,921,651½
Comparison.									
Total for corresponding week of previous year	221,830½	2,18,457 5 1	17,79,212 10	4,37,814 13 0	15,727 15 7	6,71,500 1 8	60,924	76,328	137,252
Per mile of railway corresponding week of previous year ...	......	143 3 3	......	286 10 9	10 4 11	440 2 11	......	......	......
Total to corresponding date of previous year	2,638,823	26,03,343 12 4	2,17,72,864 20	48,41,730 2 2	1,92,726 15 0	76,37,800 13 6	743,252	904,459	1,647,711

* The increase in coaching traffic is due to journeys undertaken by pilgrims to and from Baidyanath and to Gya.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 19th September 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*17,486	*8,922 13 0	34,467 10	2,577 6 0	48 0 0	11,548 3 0	2,119	657	2,776
Or per mile of railway	306	155 15 11	602 20	45 0 11	0 13 5	201 14 3	.....	......	......
For previous 11 weeks of half-year	100,872	48,886 2 0	5,51,458 10	34,198 15 0	420 0 0	83,505 1 0	10,354	7,701	18,055
Total for 12 weeks ...	118,358	57,808 15 0	5,85,925 20	36,776 5 0	468 0 0	95,053 4 0	12,473	8,856	20,831
Comparison.									
Total for corresponding week of previous year	10,201	5,130 11 11	34,154 0	2,571 2 0	14 14 0	7,736 11 11	1,044	552	1,596
Per mile of railway corresponding week of previous year ...	178½	90 0 9	597 10	44 15 2	0 4 2	135 4 1	......	......	......
Total to corresponding date of previous year	110,645	55,274 15 3	3,75,710 10	23,761 2 0	394 3 0	79,430 4 3	12,274	6,574	18,848

* The increase in coaching traffic is due to journeys undertaken by pilgrims to and from Baidyanath and to Gya

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for the week ended 19th September 1891, on 22¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,449	3,752 6 0	7,011 20	230 12 0	6 0 0	3,989 2 0	894	98	992
Or per mile of railway	......	168 10 4	......	10 5 11	0 4 4	179 4 7	......	......	......
For previous 11 weeks of half-year	189,597	45,296 4 0	56,179 0	1,970 5 0	120 0 0	47,386 9 0	9,635	859	10,494
Total for 12 weeks ...	205,046	49,048 10 0	63,190 20	2,201 1 0	126 0 0	51,375 11 0	10,529	957	11,486
Comparison.									
Total for corresponding week of previous year	15,750	3,807 3 4	3,816 20	134 14 0	6 14 9	3,949 0 1	937	31	968
Per mile of railway corresponding week of previous year ...	......	171 1 9	......	6 1 0	0 5 0	177 7 9	......	......	......
Total to corresponding date of previous year	196,370½	46,958 3 11	55,046 10	1,916 8 0	65 4 3	46,940 5 2	10,813	517	11,330

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 19th September 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	15,474	10,171 0 0	42,742 0	8,253 10 0	59 0 0	18,483 10 0	7,152½	1,196½	8,349½
Or per mile of railway	......	62 12 7	......	50 15 2	0 5 10	114 1 7	......	......	......
For previous 11 weeks of half-year	151,075	1,04,223 13 0	4,07,689 0	73,091 9 0	576 0 0	1,77,891 6 0	61,056	15,253	76,309
Total for 12 weeks ...	166,549	1,14,394 13 0	4,50,431 0	81,345 3 6	635 0 0	1,96,375 0 0	68,208½	16,449½	84,658½
COMPARISON.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for the week ended 12th September 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	146,723	64,160 0 0	7,87,548 0	2,03,020 0 0	11,100 0 0	2,78,270 0 0	26,000	40,954	66,954
Or per mile of railway	189	83 0 0	1,014 0	261 0 0	†3 0 0	347 0 0	......	......	......
For previous 10 weeks of half-year*	1,504,975	6,23,451 0 0	50,27,941 0	11,57,240 0 0	1,21,581 0 0	19,02,272 0 0	251,600	304,943	556,543
Total for 11 weeks .	1,651,698	6,87,601 0 0	58,15,489 0	13,60,260 0 0	1,32,681 0 0	21,80,542 0 0	277,600	345,897	623,497
COMPARISON.									
Total for corresponding week of previous year	132,038	40,699 0 0	4,01,711 0	92,562 0 0	9,413 0 0	1,51,674 0 0	21,577	22,780	44,357
Per mile of railway corresponding period of previous year ...	160	65 0 0	526 0	121 0 0	†2 0 0	188 0 0	......	......	......
Total to corresponding date of previous year	1,502,601	5,96,937 0 0	61,95,168 0	13,88,632 0 0	1,61,103 0 0	21,48,668 0 0	261,741	331,607	593,348

* Audited up to week ending 25th July 1891.
† Excluding steamer earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 12th September 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,727	8,000 0 0	49,274 0	4,480 0 0	1,180 0 0	13,660 0 0	4,269	1,405	5,672
Or per mile of railway	190	64 0 0	394 0	36 0 0	9 0 0	109 0 0	......	......	......
For previous 9 weeks of half-year *	267,285	87,302 0 0	3,85,877 0	27,508 0 0	831 0 0	1,15,731 0 0	37,622	17,071	54,693
Total for 10 weeks ...	291,012	95,302 0 0	4,35,151 0	31,988 0 0	2,011 0 0	1,29,391 0 0	41,891	18,474	60,365
COMPARISON.									
Total for corresponding 12 days of previous year	17,830	5,442 0 0	14,217 0	737 0 0	55 0 0	6,234 0 0	2,525	1,005	3,530
Per mile of railway corresponding period of previous year ..	143	44 0 0	114 0	6 0 0	......	50 0 0	......	......	......
Total to corresponding date of previous year	273,148	84,533 0 0	3,92,055 0	28,456 0 0	2,272 0 0	1,15,261 0 0	38,905	19,373	58,278

* Audited up to week ending 25th July 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 12th September 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	16,313	5,390 0 0	20,724 0	1,710 0 0	130 0 0	7,230 0 0	2,804	930	3,734
Or per mile of railway	190	63 0 0	241 0	20 0 0	1 0 0	84 0 0	......	......	......
For previous 10 weeks of half-year	166,668	50,770 0 0	1,01,088 0	7,230 0 0	1,560 0 0	59,560 0 0	26,393	7,467	33,860
Total for 11 weeks ...	182,981	56,160 0 0	1,21,812 0	8,940 0 0	1,690 0 0	66,790 0 0	29,197	8,397	37,594
Comparison.									
Total for corresponding week of previous year	13,640	4,135 0 0	7,194 0	701 0 0	71 0 0	4,987 0 0	2,409	695	3,104
Per mile of railway corresponding period of previous year	159	48 0 0	84 0	9 0 0	1 0 0	58 0 0	......	......	......
Total to corresponding date of previous year	162,976	50,004 0 0	1,30,505 0	10,740 0 0	3,814 0 0	64,558 0 0	25,920	8,028	33,948

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 12th September 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,909	1,060 0 0	6,868 0	360 0 0	10 0 0	1,430 0 0	570	500	1,070
Or per mile of railway	107	39 0 0	252 0	13 0 0	......	52 0 0	......	......	......
For previous 10 weeks of half-year*	31,197	11,415 0 0	97,751 0	5,190 0 0	160 0 0	16,804 0 0	5,222	4,977	10,199
Total for 11 weeks ...	34,106	12,505 0 0	1,04,619 0	5,550 0 0	170 0 0	18,234 0 0	5,792	5,477	11,269
Comparison.									
Total for corresponding week of previous year	2,519	834 0 0	2,170 0	126 0 0	13 0 0	993 0 0	533	943	1,476
Per mile of railway corresponding week of previous year ...	92	31 0 0	80 0	5 0 0	......	36 0 0	......	......	......
Total to corresponding date of previous year	31,567	11,173 0 0	86,332 0	4,581 0 0	181 0 0	15,935 0 0	5,804	5,456	11,260

* Audited up to week ending 25th July 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 12th September 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	77,320	27,900	2,36,460	29,610	7,470	64,980	12,853	11,981	24,834
Or per mile of railway	107·24	38·69	327·96	41·07	10·36	90·12	......	......	......
For previous 9½ weeks of half-year	792,260	3,19,740	29,65,800	3,00,910	77,500	7,58,150	108,082	140,674	248,756
Total for 10½ weeks ...	869,580	3,47,640	32,02,260	3,30,520	84,970	8,23,130	120,935	152,655	273,590
Comparison.									
Total for corresponding week of previous year on 691 miles open	a 77,450	27,202	a 2,87,490	37,399	6,049	70,650	12,680	11,631	24,311
Per mile of corresponding week of previous year	112·08	39·37	416·05	54·12	8·75	102·24	......	......	......
Total to corresponding date of previous year	a 788,351	2,74,769	a 27,54,797	3,14,898	67,383	6,57,050	124,122	127,018	251,140

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 12th September 1891.	Week ending 13th September 1890.	Week ending 12th September 1891.	Week ending 13th September 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	13,860 0 0	12,384 0 0	14,040 0 0	14,818 0 0
Goods	13,740 0 0	17,745 0 0	15,870 0 0	19,653 0 0
Other earnings	4,460 0 0	3,570 0 0	3,010 0 0	2,480 0 0
Total ...	32,060 0 0	33,699 0 0	32,920 0 0	36,951 0 0

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[REGISTERED No. 29.]

No. 40 of. 1891.

SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, OCTOBER 7, 1891.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

CONTENTS.

PAYMENT OF REWARDS FOR THE DESTRUCTION OF TIGERS IN THE SUNDERBUNS RESERVED OR PROTECTED FORESTS.

RESOLUTION.

JUDICIAL.

Dated Darjeeling, the 25th September 1891.

READ again—

A notification dated the 19th December 1884, issued by this Government in the Judicial Department, regarding the payment by the Forest Department of rewards for the destruction of tigers and tiger-cubs in the Sunderbuns.

Read also—

Letter No. 25M.G., dated the 30th April 1891, from the Conservator of Forests Bengal.

Letters Nos. 2Ct.—J.G. and 26Ct.—J.G., dated respectively the 13th July and the 13th August, 1891, from the Commissioner of the Presidency Division.

Under the existing arrangements, the Forest Department pays a reward of Rs. 25 for each full-grown tiger and of Rs. 10 for each tiger-cub killed in the Sunderbuns reserved or protected forests, in addition to the authorized

rewards paid by the Civil Department. The Conservator of Forests, Bengal, having pointed out certain defects and difficulties in the working of this system, the Lieutenant-Governor directs, in supersession of all previous orders on the subject, that from the 1st October 1891 either the Forest Department or the Civil Department shall pay a reward of Rs. 50 for each full-grown tiger or tigress, and of Rs. 20 for each tiger-cub proved to have been killed in the Sunderbuns reserved or protected forests, and in respect to which there is no reason to believe that a reward has already been given by the State on a previous occasion. The skin and skull of each tiger, tigress or tiger-cub killed should be taken either to a Ranger or Forester in the Sunderbuns, by whom they should be retained until the arrival of a gazetted officer of the Sunderbuns Forest Department, and produced before him for inspection, or to the District Magistrate, or, during the absence of the latter from head-quarters, to the officer in charge of the district office, for inspection. The authorized rewards should be paid after the inspecting officer is thoroughly satisfied that the skin is intact and attached naturally to the skull, and that the animal was killed in the Sunderbuns protected or reserved forests. He should also personally see that the skull is destroyed so that it cannot possibly be used again.

2. As the amount of reward is chargeable in moieties to the Civil and Forest Departments, the expenditure incurred on this account should be adjusted at the close of the financial year by those Departments after mutual communication.

ORDER.—Ordered that a copy of the above Resolution be forwarded to the Conservator of Forests, the Commissioners of the Presidency and Dacca Divisions, and to the Accountant-General, Bengal.

Ordered also that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secy. to the Govt. of Bengal.

REPORT ON THE ECONOMIC AND ART SECTION OF THE INDIAN MUSEUM FOR THE YEAR 1890-91.

REVENUE DEPARTMENT—MISCELLANEOUS.

Darjeeling, the 28th September 1891.

RESOLUTION No. 317 MIS. (F.)

READ—

The Report of the Trustees of the Indian Museum on the Economic and Art Section of the Indian Museum for the year 1890-91.

The Report of the Assistant Curator of the Economic and Art Section of the Indian Museum on the Economic and Art Museum, with the remarks of the Trustees, was received on the 1st September 1891.

The record of the year's work is divided under three heads, namely, 1st, the preservation and arrangement of existing specimens; 2nd, the collection of new specimens for the Economic and Art Section; and 3rd, the collection of specimens for other institutions. The first is at the present moment the most important function of the Section; the collection of new specimens is retarded by financial considerations, but the collection of specimens for other institutions furnished sufficient employment during the year of report as in previous years. The want of proper accommodation has had an injurious effect on the preservation of the existing specimens, and the Lieutenant-Governor regrets to find that fourteen specimens of rugs and carpets "have been utterly destroyed, rendering them unfit for show." The completion of the Sudder Street extension to the new buildings has now removed the want of house accommodation, and it is hoped that the early removal of the specimens in the Economic and Art Section to the new quarters will secure their better preservation, and also admit of their being arranged and catalogued on a more permanent and satisfactory basis.

2. Upwards of sixteen hundred new specimens were added to the Section, viz., twenty-seven consisting chiefly of New Guinea curios, presented by Mr. Simon Koch, to the Ethnological Branch; 1,263, of which 925 were the duplicates of the collection made at the instance of the Government of India for the Imperial Institute, London, to the Economic Branch; and 316 to the Artware Branch comprising (1) a collection of art manufactures, consisting of water-colour pictures representing phases of native life, papier maché heads representing turbans and forehead marks of different sects and races, two beautiful specimens of wood-carving, sixteen of Jaipore brassware, and one hundred marble figures of gods and goddesses, received from the Jaipore Durbar in exchange for Bengal articles supplied by the Indian Museum; (2) twenty-five heads distinguishing turbans received from Poona; and (3) seventeen good specimens of wood-carving received from Burma, representing different occupations of men and women. The total number of exhibits in the Ethnological Court was 7,171 against 7,145 in the preceding year; 18,217 in the Economic Branch against 16,954 in 1889-90; and in the Artware Court, after allowing for breakages and other losses, 10,842 against 10,526 in the year before.

3. Besides the 925 economic specimens, with duplicates for Bengal and other provinces in India, collected for the Imperial Institute, London, thirty-three articles of ethnological interest were supplied for the Berlin Museum to the German Consul at Calcutta, and two more consignments, consisting of 78 specimens of Indian fibres required by the Kew Museum and the Chamber of Commerce, Manchester and Dundee, were despatched.

Mr. C. E. Buckland filled up the place of Mr. P. Nolan in the Board on the latter's departure on leave for England on the 24th March 1891. Another member nominated by the Lieutenant-Governor, Mr. A. Simson, left for England on the 14th March 1891, Mr. J D. Maxwell being appointed in his place on the 17th April 1891

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secy. to the Govt. of Bengal.

RESOLUTION ON THE ANNUAL REPORT OF THE DIRECTOR OF LAND RECORDS AND AGRICULTURE, BENGAL, FOR THE YEAR 1890-91.

REVENUE DEPARTMENT—LAND REVENUE.

Darjeeling, the 28th September 1891.

RESOLUTION No. 1118 L. R.

Read—

The Annual Report of the Director of Land Records and Agriculture, Bengal, for the year 1890-91.

The Director's report is divided into two main parts, of which the first deals with the surveys and settlements in progress during the year; the second relates to agricultural enquiries and improvements and cognate subjects.

I.—SURVEYS AND SETTLEMENTS AND MAINTENANCE OF VILLAGE RECORDS.

2. The main portion of the report contains a brief account of the progress of the work in a large proportion of the total number of estates under settlement, and is illustrated by three Appendices (A, B, and D), which show in tabular form the estates, whether Government, temporarily-settled, wards' or private estates, which are under survey and settlement during the year, the areas surveyed, the cost of survey and of settlement, the progress of survey and of recording and settling tenants' rents, the effect of the settlement on the rentals, and the names of the settlement officers under whose immediate control the settlements were conducted.

It is observed that the order of the different estates, as given in the Appendices and in the body of the report, is not uniform, and that they are not, moreover, arranged according to any strict geographical plan. In future an intelligent geographical order should be adopted both as regards the civil divisions and the districts and estates in those divisions, and the same order should be adhered to in the report itself and in each of the Appendices attached to it. Some definite principle should be laid down as to what settlements should be treated of in this report, and what should be omitted. In all riparian districts along the Ganges and Brahmaputra in Eastern Bengal, there are a great number of *chars* and islands, sometimes belonging to Government and sometimes to private owners, which are subject to diluviation and in which settlements are constantly going on. Some of these settlements in Dacca, Backergunge and Noakhali have been selected for inclusion in the Appendices or for mention in the report, and the majority are not included; but it is not clear on what principle this selection has been made. Again, it is also observed that in some instances estates entered in the Appendices have not been noticed in the report, but the grounds for this omission are not apparent. If it is not considered advisable to refer in the report to every settlement, the natural course, and that which should be adopted, would be to notice the larger and more important operations; but this does not appear to have been done in the present instance, where such small settlements as those of the Khosalpur estate in the Nuddea district, and of certain *chars* and small private estates in the Noakhali and Tipperah districts, have been selected for particular mention. The statements given in Appendices A and B should also be totalled for convenience.

3. With regard generally to the accounts of the different survey and settlement proceedings given in Chapter I of the Report, the Lieutenant-Governor would observe that it is not necessary that the report should deal with past history, as has been done in the present report in the cases of Angul (paragraph 5), Jalpaiguri (paragraph 17), Chittagong (paragraph 21), the Srinagar-Baneli Ward's Estates (paragraphs 42-44), the Dakhin Shabazpur Ward's Estate (paragraph 61), and other instances. What is required in the Director's report is a clear and sufficiently full account of what has been done and what has been spent during the year under report both on survey and on settlement; the name of the officer who was in charge of the settlement, as well as of his assistants, and their share in the work and the number of days spent by each away from head-quarters should be mentioned; and when the account of the work done consists in reporting the number of villages in which *khanapuri* was completed, or the number of ryots whose status was decided or whose rent determined, the figures should be referred to a common standard of progress, so as to enable Government to judge whether the settlement is in a satisfactory state of progress or not. An early opportunity will be found for carrying out these instructions. Orders have lately been issued in Government order No. 135T—R., dated the 18th June 1891, to the Board of Revenue, under which, in addition to the report, which is to be mainly financial and statistical, for the financial year ending the 31st March, and to be accompanied by the present agricultural part of the report, the Director will submit annually a further administrative report containing full information with regard to all surveys and settlements for the survey year ending the 30th September. Advantage should be taken of these orders to correct the shortcomings pointed out by this Resolution on the report now submitted. In a subsequent letter to the Board of Revenue, No. 455T—R., dated the 24th September 1891, detailed instructions have been given as to the nature of the information which is to be supplied by the Settlement Officers in their half-yearly Progress Reports, and which will be embodied in the Director's two reports.

4. The work of settlement is being carried out on a large scale in three tracts which are under the supervision of the Director—Orissa, Chittagong, and the Jalpaiguri Duars—as well as in a portion of the Sonthal Pergunnahs which is not under Mr. Finucane or the Board of Revenue. The history of the progress of these important settlements should be set in the forefront of the report.

5. *General survey and resettlement of Orissa.*—The progress made by Mr. Patterson's survey party has been rather disappointing. The expenditure

on survey is given in the report and in Appendix A up to the end of June 1891; it should have been given to the end of the year under report, *i.e.* to the 31st March 1891. There are, moreover, discrepancies between the report and the Appendix A, as to the figures of the area surveyed up to and during the year. The report speaks of 360 square miles cadastrally surveyed in the Puri district in 1889-90, and 643 during 1890-91, or 1,003 in all; whereas Appendix A shows 549,003 acres, or 858 square miles, surveyed during 1890-91, and none in the previous year. The discrepancy is probably due to the confusion between the survey and the financial year. The Deputy Superintendent of Survey estimates that the cadastral survey of these 1,003 square miles, which was completed by the end of June 1891, has cost Rs 139 per square mile, but apparently this estimate omits the cost of the traverse. The total expenditure on the 1,003 square miles is stated as Rs. 1,67,996, or about Rs. 165 per square mile.

The Settlement Officer, Mr. H. Reily, joined his appointment in February 1891, and the Assistant Settlement Officers at various later dates. During the remainder of the year their time was occupied in demarcating in advance for the survey party, testing the khanapuri, attesting areas of holdings, recording rights and existing rents, and making arrangements for utilising the kanungos, patwaris, and chaukidars of the country. The report states that the holdings of 11,734 tenants were attested and their rents recorded by the end of the year, and this seems a considerable amount of work, since settlement operations began so late in the year.

There is a further discrepancy between the report and the Appendix D, as to the number of Assistant Settlement Officers, the former showing 7 and the latter 8.

6. In Chittagong, survey and settlement have been going on in two parts—Old Thana Ramu and the Sudder sub-division. In the former, where work was begun in 1888, the survey of the whole area of 156,390 acres was completed, as well as the attestation of all the holdings in the 50 villages under the direct management of Government. The draft records of 40 villages were published, and of 12 villages finally published, but the final publication of the records of the remaining villages could not be made pending orders of Government as to the status to be assigned to the Noabad talukdars. Government has since issued orders on this point, under which they will be treated as tenure-holders. This part of the settlement was under Baboo Jogendro Kumar Bose, Assistant Settlement Officer, whose progress seems to have been satisfactory. The survey, which was finished before the year under report, cost annas 6-11 per acre and the settlement has cost annas 1-3 so far as it has gone.

7. The main strength of the staff was thrown into the Sudder sub-division, under Mr. Slack as Settlement Officer with a Covenanted Assistant, Mr. Allen, and three uncovenanted officers under him. The Professional Survey Department completed 1,448 square miles of traverse and 863 square miles of cadastral survey, out of a total area of 1,630 square miles, in the two years 1889-91. During the year 1889-90 the average cost of survey per acre was as high as 7 annas 9 pies, the reasons assigned being the small size of the plots, the high rate of wages, and the extreme complexity of tenures. With a view to reducing the cost of survey, the khasra writing was during the year under report made over to the Settlement Department, the result being that 308,480 acres were surveyed at a cost of Rs. 1,21,195, or an average of 5 annas and 4 pies per acre.

8. The settlement staff were mainly engaged in completing the survey records of 195 villages, and in demarcation and settlement of boundary disputes; but the rents and status of over 7,000 ryots were recorded during the year. Fuller information as to the work done by each officer individually will be looked for in the Administration Report. The total cost of survey and settlement up to the end of the year was Rs. 1,99,768, and the settlement has been estimated to result in an increase of revenue of Rs. 1,20,000.

9. *Jalpaiguri, Western Duars.*—The account of the year's work is again far too brief. The Lieutenant-Governor personally inspected the operations in April last, and it then appeared that the figures as to the survey given in paragraph 17 of the Director's report for the year 1889-90 were not quite correct. The report stated that in the season of 1889-90, 782 square miles had been traversed, and the 4-inch topographical survey of 118 square miles and cadastral

survey of 304 square miles had been completed. The figures as given by Colonel Strahan, the Deputy Surveyor-General, showed, however, that during that season traverse had been completed of 730 square miles, cadastral survey of 275, and that no 4-inch topographical work had been done. The estimate of work turned out during 1890-91, as far as then known, was as follows:—

Cultivated ...	... Traverse 92,	cadastral 188.
Cultivable ...	... Ditto 195,	topographical 383.
Forest ...	... Ditto 109,	detail 150

This left about 170 square miles to be surveyed topographically and 300 of forest detail to be completed.

The cadastral work showed the following results for 1890-91:—

Pergunnah South Mainaguri—all the maps, amounting to about 1,200 in number, were finished and sent in.

Pergunnah North Mainaguri—out of 934 maps, 697 were finished and sent in.

Pergunnah Chengmari—out of 1,143 maps, 1,112 were finished and sent in.

All of these were expected to be in by the middle of April.

In Moraghat very few, and in West Madari no maps were sent in.

Many errors and defects were found in these maps and the accompanying records, and the Settlement Officer was much delayed in his proper work by the delay in completing them, and by the necessity of correcting them when sent in. He submitted a report on proposed settlement rates, on which orders were passed by Government, and he prepared during the year the assessment, in accordance with those orders, on the larger part of the jotes in the South Mainaguri pergunnah.

10. The next class into which the operations of the Department may naturally be divided is the settlement of certain large scattered Government estates in different parts of the country. The only representatives of this class are Angul and Banki in Orissa, and as to the work done in these during the year, the report gives very little information. It appears from Appendix A that Rs. 13,928 were spent during the year partly on survey and partly on settlement in Angul, but there is nothing to show exactly what work was carried on, nor does the report show who was in charge of it. Appendix D should have shown this, if the report itself did not mention it; but it is observed that no settlement officer's name is entered for Angul in that Appendix.

As to Banki, where Rs. 5,003 were spent mostly in settlements during the year, the only details of work mentioned by the Director are as follows:—"The entries in the khatians and the new rentals were explained to the raiyats during the year and their signatures taken." There is nothing either in the report or in Appendix D to show under whom the work was carried on. The survey and settlement of the estate, which comprises 76,800 acres, were completed during the year at an average cost of 7 annas 10 pies per acre, the only important work remaining to be done being the reorganization of the surbarakari establishment. In their letter No 644A, dated the 27th August 1891, the Board of Revenue have stated that the final report is still being awaited nor has that report been yet received by Government. The Lieutenant-Governor regards this delay as very unsatisfactory.

11. Next come the small scattered Government estates, mostly *chars* or islands in the great rivers, which were never settled with any one, or which have fallen into the hands of the Government through default of their proprietors by reason of diluviation. As already mentioned, many of these exist in all the riverain districts, and it is not known why certain of these have been selected for description here. The largest collection of these appears to be the *Backergunge Government Estates.* The report with its Appendices exhibits great confusion as to the actual number of estates under settlement in this district. Excluding the Dakhin Shabazpur Estate, which is under the Court of Wards, Appendix A shows 31 estates under survey and settlement, there being nothing in the Appendix to show which of these are under Babu Piari Mohan Bose and which under Mr. Dwija Das Dutta. The body of the report mentions 39 estates as under the former Babu, viz. 4 under the Tenancy Act and 35 under the regulations, and 17 under the Tenancy Act as in charge of Mr. Dwija Das Dutta. Neither the figures in the Appendix A, nor those in the report, agree with those which were supplied

to Sir Charles Elliott at his inspection of the Burisal office, on which occasion there were said to be 25 settlements pending under the Tenancy Act and 23 under the old regulations. Of these 48, 2 were represented as being under the Sub-divisional Officer of Bhola, 4 under the Sub-divisional Officer of Patuakhali, 9 under Sub-Deputy Collector Babu Akhil Chunder Roy, and 6 under Sub-Deputy Collector Babu Kali Prosad Chatterjee. None of these latter are, however, mentioned in the Director's report.

The Director should in his next report explain to Government the exact number of surveys and settlements pending in the Backergunge district, stating their names and the officer under whom each is placed.

12. *Government Estates in Midnapore.*—The report does not state, in the case of either of the two estates under settlement, what work was done during the year. In the case of the Bhetia estate it appears from Appendix A that Rs. 192 were spent, but it does not appear on what the expenditure was incurred; in Kamina Chak nothing was spent, and it is stated that settlement operations have been completed. It should have been reported whether anything, and if so what, was done.

13. *Government Estates in Nuddea.*—Out of 17 estates under survey and settlement during the year in the Nuddea district, only one, that of Khosalpur, is mentioned in the Director's report, and the information given as to that estate is altogether incorrect. The Director writes:—"This estate, containing 476 acres, was purchased by Government at a sale for arrears of revenue. The measurement was completed during the year at a cost of Rs. 137, or 4 annas and 7 pies per acre on the area surveyed." It appears, however, from the progress report for March 1891, submitted by the Collector of Nuddea, that the estate contains 13 villages, and therefore presumably more than 476 acres, and that up to the end of the year 1890-91 only 4 out of those 13 villages had been demarcated, and 1,440 bighas or 476 acres (this is apparently what was in the Director's mind), were cadastrally surveyed, the survey operations up to the end of the year having cost altogether Rs 64-5-5. The progress of this survey, which is under Babu Hem Chunder Mitter, has been very unsatisfactory.

14 *Government Estates in Noakhali.*—Mention is made of three *chars* only in this district, namely, Pir Baksh, Char Ghazi and Char Fakira. No account is given to show what settlement work was carried out in estate Pir Baksh during the year, beyond a statement that an increase of Rs. 184 was obtained in the rental.

15. *Government Estates in Tipperah.*—The settlement of Government estate Jowar Baluakhandi, comprising an area of only 2,762 acres, took two years to complete under Babu Rajani Kumar Dutta, Deputy Collector. The progress appears to the Lieutenant-Governor to have been unduly slow. In pergunnah Singargaon Rs. 705 were spent during the year, the only work done being the decision of certain disputes about boundaries, and objections as to soil classification. No satisfactory explanation is given of the delay in the decision of these disputes, which had the effect of raising the average cost of survey and settlement to the abnormally high figure of 13 annas and 9 pies per acre.

16. The fourth important class of estates under the Settlement Department are those belonging to the Government Wards. One of the largest of these is the *Srinagar-Baneli Ward's Estate.* The report explains the method adopted of settling fair rents on the basis of existing rates, an allowance in the area being made for difference in the method of measurement and for more accurate survey; but no account is given to show in what actual work the Settlement Officer, Mr. Collin, was engaged during the year.

It appears that the settlement of 30 villages with an area of about 15 square miles was left pending at the close of the year owing to a dispute as to the standard of measurement, but it is understood that the matter has since been settled, and the submission of the final report, which has already been sent in to the Director, is now awaited by Government.

17. *Burdwan Raj Khas Mehals.*—In Sujamutha Rs. 10,252 were spent during the year on settlement, but here again very little information is given by the Director as to the work that was carried on. The Lieutenant-Governor inspected the settlement personally in the month of February last, and His

Honour in a note recorded at the time expressed his dissatisfaction with the amount of work that had been done, and with the want of energy of the Settlement Officer, Mr. Dwijendra Lall Roy, who appeared to be under the mistaken impression that a Settlement Officer's camping season lasted only up to the month of March.

The sum of Rs. 8,133 was spent during the year on the settlement of the *Hukumápur Estate* under Babu Sukumar Haldar; but Appendix A shows nothing entered either against this estate or against Sujamutha as expenditure on survey from the commencement of the operations. An explanation of this should be submitted.

18. *Kanika Ward's Estate.*—Here also the Lieutenant-Governor notices a want of information as to what was done during the year. The report states that the survey was completed during the last year, by which is presumably meant the year 1889-90; whereas in Appendix A, 166,400 acres are entered as surveyed during 1890-91 at a cost of Rs. 33,165. The Lieutenant-Governor met the Settlement Officer, Mr. Srinath Dutt, during his visit to Orissa, and was obliged to find some fault with him for having conducted the work of attestation and settlement of rents at too long a distance from the villages concerned.

19. *Kujong Ward's Estate.*—The same discrepancy as to survey occurs in this case as in that of Kanika referred to above. The report states that the survey was completed last year, but the Appendix A shows Rs. 3,028 as expended on survey during 1890-91, although no area is entered as surveyed during that year. Explanation of these discrepancies should be given. The total number of ryots in the estate is 36,085, and of these the rents of 14,512 were settled during the year; but it is not known, either from the report or Appendices, how many settlements were made up to 31st March 1890, nor, therefore, how much work remains to be done. From the fact that Rs. 6,007 were spent on settlement up to the 31st March 1890, it would appear that the rents of some raiyats had been settled previous to the year under report.

20. *Dinagepur Ward's Estates.*—These comprise the estates of the Wards of Sunkerpur, Churaman and Maldwar. Final reports have been received by Government in the case of all these estates, and Government Resolutions have already issued on the two latter. The report on the Sunkerpur estate is now under the consideration of Government.

21. *Dakhin Shabazpur Ward's Estate.*—Paragraph 61 of the report, which explains the reasons why settlement was determined on after the estate came under the Court of Wards in 1886, is not required.

The only account of the year's proceedings is contained in two lines of the report, which state that during the past cold weather the Settlement Officer, Babu Piari Mohan Bose, was engaged in completing the khanapuri which was left undone by the Survey Department. The Lieutenant-Governor does not consider this a satisfactory history of a year's work, there being nothing to show either how much work was done or what remains to be done.

22. *Serail Pergunnah Ward's Estate.*—The survey of the estate was completed during the year, and good progress was made in the settlement work by Babu Kali Sunker Sen, Settlement Officer, who settled fair rents for 1,410 tenants between December 1890 and the close of the financial year. The total area surveyed was 180,664 acres, at a cost of Rs. 1,21,298, giving a rate of over 10 annas and 8 pies per acre, not of 8 annas per acre as entered in column 16 of Appendix A. In arriving at the average for survey as 8 annas, the Director has apparently only taken into account the cost incurred in 1890-91, and not the previous cost, which amounted to Rs. 30,969. No explanation is given of this exceedingly high rate.

In the Serail pergunnah the lands of the villages are divided into what are locally known as "bandha" according to their bearing (north, west, south or east) from the villages, each "bandha" having a single prevailing rate. With regard to the Director's remark that this is one of the very few cases met with in settlement operations in Bengal, where a true prevailing rate exists, the Lieutenant-Governor believes that such a rate exists more often than is supposed, if the term "prevailing rate" is used in its true sense as a theoretical rate, which actual rates often agree with and always tend to approach. If a rate cannot be called a prevailing rate because a few exceptions are found, or if

great accuracy is insisted on, then no doubt the Director's remark is true; but the Lieutenant-Governor does not use the term in that sense. In the Settlement Reports which have been submitted recently, he finds frequent reference to the theoretical existence of prevailing rates; and it is hardly conceivable that there should not have been one, although it may have been effaced or disguised by subsequent changes of area without change f rent.

23. The last class of estates which have come under settlement operations consists of those which belong to private proprietors and in which a record of rights is prepared under section 177 of the Tenancy Act, because of serious disputes between land-owners and the tenants. Mention is made in the report of such estates in four districts The account of the year's work in the Dubalhati, Mollarpur, and Alakdia-Durgapur estates is meagre. There is nothing to show on what the expenditure of Rs. 17,381, shewn under settlement against the first of these estates, was incurred, nor what was done in Mollarpur besides the survey. In Alakdia-Durgapur no expenditure on settlement is shown up to the close of the year. The submission of the final report of the operations in the Dubalhati estate should be expedited.

24. *Maintenance of Records.*—The Director has only mentioned this important subject in the case of three settlements—those of the Angul and Banki estates in the Orissa Division, and of the Srinagar-Baneli Ward's estates. In the two former estates it is said that the sarbarakars will maintain and correct the records in accordance with rules which have been recently approved by the Board of Revenue.

In the Srinagar-Baneli Ward's estates the records will be kept up by the patwaris, 104 in number, of whom 48 have already obtained certificates of proficiency in surveying, while the rest are said to have received some training. This is so far satisfactory, but future reports should state what steps, if any, have been taken with a view to the maintenance of the village records in other estates in which settlement proceedings have been completed during the year or have approached completion.

PART II.—AGRICULTURAL ENQUIRIES, EXPERIMENTS, AND IMPROVEMENTS.

25. *Analysis of Districts.*—The Government Resolution, dated the 23rd September 1890, on the Director's report for the year 1889-90, noticed the completion by Mr. Bhupal Chundra Basu and Mr. Nogendra Nath Banerjee, the Director's Assistants, of the analysis of the two districts of Dacca and Lohardugga. During the year now reported on, Mr. Basu has been engaged on a similar analysis of the Nuddea district, while Mr. Banerjee has been making a tour of the district of Cuttack, on the agriculture of which he is now engaged in writing a report. The experimental farms at Sibpur, Burdwan, and Dumraon and other places have also been under the direct supervision of these officers.

26. *Emigration to Burma.*—The Director has given his attention to the question of emigration to Burma as a means of relief to the over-populated tracts of Behar and Chota Nagpore, and an agreement has been entered into with the British India Steam Navigation Company, under which that Company has undertaken to reduce the deck fare to Rangoon from Rs. 10 to Rs. 7-8, of which Rs. 2-8 will be paid by the Bengal Government as a subsidy, the balance being paid by the emigrants. It is hoped that local recruiting agencies will soon be opened in various parts of the tracts to be relieved.

27. *Arboriculture.*—With the exception of the planting of fruit trees along the road-sides, which must be regarded rather as an administrative measure adopted for shade purposes and the preservation of road alignments, than as an agricultural experiment, the arboricultural efforts of the department do not seem to have been extensive or productive of much practical good. The Lieutenant-Governor does not, for instance, see much use in planting date-palms where nature has not planted them, or in pushing artificially the cultivation of such trees as the *Eucalyptus*, *Divi-Divi*, or the *rain-tree.*

28. *Silk Experiments.*—The experiments at Berhampur, undertaken with a view to the mitigation of pebrine, were continued by Mr. Nitya Gopal Mukherjee under the direction of the Silk Committee. The information given in the report as to the objects and results of the out-stations opened at Pakhuria,

Alipur, Nagri, and Kalimpong is, however, exceedingly vague, and gives no idea of what Mr. Mukherjee really did at these places during the year.

Since the close of the year it has been decided that the direct control of Mr. Mukherjee's work should be retransferred from the Silk Committee to the Director with a view to his giving more attention to the rearing of healthy silk at the out-stations. The experiments at Berhampur will nevertheless be continued, as also will those of Mr. Keighly in the Midnapore district, in the direction of detecting pebrine and other diseases without having recourse to microscopical examination.

29. *Experimental Farms.*—Agricultural experiments were carried on at the three experimental farms at Sibpur, Burdwan, and Dumraon, and also on a smaller scale in various Government, wards', and private estates in the divisions, especially of Burdwan, the Presidency, Rajshahye, Orissa, and Chota Nagpore, the principal products experimented on being paddy, wheat, potatoes, sugarcane, and fodder grasses.

With regard to paddy and wheat, the chief experiments were made at Dumraon, and were designed to test the relative merits of deep and shallow ploughing and of different kinds of manure, and, in the case of wheat, of well-water and canal-water. With transplanted paddy a mixture of crude saltpetre and linseed cake gave the heaviest outturn, and with broadcast paddy cowdung produced the best results, while deep-ploughing to a depth of four or five inches gave an increase in outturn of 24 seers of grain and 3 maunds 20 seers of straw per acre. Wheat appeared to be particularly benefited here by a manure of saltpetre alone or mixed with ashes, while in the Burdwan farm bone-meal yielded a large increase. The extra yield obtained by irrigating the crop with well-water did not repay the extra expense as against that of canal water The largest outturn of potatoes was obtained at the Dumraon farm with green manures, but it is unfortunate that the outturn of the crops on the Burdwan farm is given per bigha, while that of Dumraon is given per acre, thus rendering comparison difficult. In future reports all outturns should be referred to a common standard. The uncertainty of all these experiments is exemplified by the fact that at Dumraon crude saltpetre applied to paddy failed this year to produce any increase in outturn, although in the preceding year it gave the best results of all manures; and also by the fact that, whereas in Sibpur the experiments in sugarcane showed a distinct advantage in favour of the *Saharanpur* as compared with the *Samsara* variety, the experiments in Burdwan produced a directly opposite result. Among fodder grasses *sorghum* and buffalo grass (*Reana luxurians*) were cultivated with great success at Sibpur. The latter grass gave an outturn of 192 maunds per bigha, and was sold at a net profit of 1 anna per maund.

30. *Agricultural Implements.*—Thirty-two wrought-iron Sibpur ploughs were issued during the year, and are said to have given satisfaction. A native gentleman in the Jessore district expressed an opinion that one ploughing with these instruments was as effective as four or five ploughings with the ordinary native plough. Some interesting experiments in the use of European butter-making machines were made in the Dharampur pergunnah of the Purneah district, by the late Mr. E. G. Williams, Manager of the Durbhunga Raj. The results of these experiments and of trials in other districts tended to show that the European methods might be adopted with advantage in the hills and in the districts bordering upon the hills, but that good results could not be obtained in districts where a temperature of under 75° Fahrenheit cannot be depended upon.

31. *Veterinary Establishment.*—The Director writes:—"The scheme for the establishment of a veterinary college is still under the consideration of Government. No progress appears to have been made in the matter during the year." Government was in fact awaiting the final decision of the Committee of the Sodepore Pinjrapole with respect to a suggested contribution from that institution towards the site and building expenses of the veterinary college. Since the close of the year to which the Director's report relates, Babu Shew Bux Bogla, one of the leading members of the Committee of the Pinjrapole, has generously offered a site and has contributed the sum of Rs. 30,000 towards the college and hospital, thus relieving the Pinjrapole Committee of the necessity of contributing. The work will now be proceeded with without further delay.

32. *Tour.*—Appendix H to the report shows that the Director's tours amounted to 134 days, divided as follows:—

	Days.		Days.
Orissa ...	... 32	Sonthal Pergunnahs ...	... 8
Chittagong ..	... 23	Sujamutha ...	... 7
Dacca, Tipperah, Dakhin Shabazpur	... 16	Hukumapur ...	... 5
		Silk enquiries in Midnapur district	... 4
		On tour with Dr. Voelcker	... 14
Srinagar-Baneli ...	.. 9	Simla Conference ...	.. 16

His Honour has no doubt that Mr. Finucane made great efforts to carry out his inspections effectively, but regrets that he was unable to visit the important settlement operations in the Jalpaiguri Duars during the year. He has been asked to propose a tour of inspection of all the important settlements for the coming season, and the programme will be finally settled on Mr. Finucane's return from leave, and after a decision has been arrived at as to the resumption of the Behar survey and settlement.

33. In conclusion, the Lieutenant-Governor wishes to record that, although the report reviewed above is not as complete and accurate in its details as he desires, he is satisfied that Mr. Finucane has shown ability and energy in his supervision of this important department, and in advising and controlling the settlement officers under his supervision, while he has at the same time paid some attention to the considerable agricultural works which it is his duty to superintend.

Ordered that the Resolution be published in the *Calcutta Gazette*.

Ordered also that a copy of the Resolution be submitted to the Government of India in the Revenue and Agricultural Department for information, and that a copy be forwarded to the Board of Revenue, Lower Provinces, for information, guidance, and explanation on the several points noticed in the Resolution.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE BOARD'S LAND REVENUE ADMINISTRATION REPORT FOR THE YEAR 1890-91.

REVENUE DEPARTMENT—LAND REVENUE.

Darjeeling the 6th October 1891.

RESOLUTION No. 1119L.R.

READ—

The Report of the Board of Revenue on the Land Revenue Administration of the Lower Provinces for the year 1890-91.

Read also—

The Board's letter No. 603A, dated 14th August 1891, submitting the Director's report of the Department of Land Records and Agriculture, Bengal, for the year 1890-91.

Preliminary.

These reports have been submitted by the Board with commendable punctuality, and follow the lines laid down of recent years with the approval of Government. The district maps furnished illustrate chiefly the surveys and settlements in progress and prospect under the Tenancy Act and the old Regulations; but this year they include also the Government and tuccavi embankments and important drainage works undertaken by Government for the improvement or reclamation of land for agricultural or sanitary purposes, or protection from floods. These maps have improved from year to year, and sufficiently exhibit the subjects indicated. The provincial map, which was previously designed to show the percentage of the land revenue collections in each district, has been omitted, as it only supplied in a pictorial form the information contained in statistical tables. The arrangement of the Board's report into four parts—(1) the Collection of the Land Revenue, (2) the Administration thereof, (3) Rent, (4) Miscellaneous—and 41 subjects (with sub-divisions) is as good as can be devised. The Lieutenant-Governor has referred to the orders of the Government of India, which ruled only that a separate review of the Director's report was not necessary, and has decided, in the absence of prohibition, to issue another Resolution dealing with its contents.

COLLECTION OF THE LAND REVENUE.

Standard of collections of land revenue.

2. The Government of India having commented unfavourably on the large arrears of land revenue which accrued in 1888-89, the whole subject of the collections of land revenue has been fully examined by the Board and Government before and since the close of 1890-91. For some time past District Officers have been expected to attain a standard of collections of 95 per cent. on the total demand (current plus arrear) from class I, *i.e.*, permanently-settled estates, and 90 per cent. from all other classes of estates. The Board have now, with the consent of Government, issued a circular which prescribes a standard percentage of current collections on current demands as follows:—viz., 99 for permanently-settled estates, 95 for temporarily-settled estates held by the proprietors for definite periods, 93 for ryotwari tracts, 90 for temporarily settled estates managed direct or farmed and Government estates With regard to the balances due from the previous year, it has been enjoined that such arrears ought to be collected wholly or nearly so within the next year. It is admitted that special circumstances may exist from time to time to make the attainment of these ratios impossible; but failure to comply with this standard will necessitate a special explanation from the responsible officers. The Lieutenant-Governor has also recently undertaken a revision of the number, dates, and amounts of the instalments in which land revenue is paid with a view to making them more convenient to the landed interests and the treasury. This measure is not yet matured; but His Honour trusts by these changes to attain a higher rate of collections, both current and arrear, and with greater facility than has ever before been achieved.

3. The numbers of revenue-yielding estates of the several classes have risen considerably within the five years, 1886-87 to 1890-91, both inclusive. The following statement admits of an easy comparison of the figures:—

Numbers of estates of classes I to IV.

	Class I. Permanently-settled estates.	Class II. Temporarily-settled estates.	Class III. Government estates.	Class IV. Ryotwari tracts.	Total.
1886-87 ...	148,732	7,800	3,053	27	159,612
1887-88 ...	150,544	7,855	3,058	28	161,485
1888-89 ...	151,968	7,884	3,307	32	163,191
1889-90 ...	153,609	7,978	3,374	21	164,982
1890-91 ...	154,553	8,049	3,513	21	166,136

These figures show the growth in the number of estates, at the rate of 6,524, in four years, or about 1 per cent. per annum. The increase goes on at a much faster rate in some districts, and the work of officers and their establishment is considerably increased thereby. The subject of partitions has the attention of Government: for the rest, improvement in the methods of administration is the only resource. Some of the sources of growth seem to be avoidable. Thus with regard to such lands as the 34 resumed thanadari lands in Hooghly settled as estates, the Lieutenant-Governor thinks it would be better that such lands should be settled, if possible, with the proprietors of the villages in which they fall, if thanadari lands, or the villages out of which they were originally taken for roads, railways, &c.

4. The Lieutenant-Governor is of opinion that the fourfold classification of estates, which was ordered by Sir G. Campbell in paragraph 2 of the Government Resolution of the 2nd April 1873 on the Board's Land Revenue Report for 1871-72, and was carried out in 1875-76, requires a little modification. The class called temporarily-settled estates is divided into those—(*a*) settled for definite periods, (*b*) managed direct owing to the recusancy of proprietors, (*c*) farmed for the same reason. This classification is incorrect, as estates held direct for want of any one to take the settlement are not temporarily-settled, and should be transferred to the third class. Again, Government estates leased to farmers for a term of years should be transferred from the third to the second class, as they are temporarily-settled.

Classification of estates.

As for the ryotwari tracts, hitherto known as class IV, His Honour believes that there is no real distinction, except that of size, between them and those entered in the present class III as Government estates. The standing order is that lands the property of Government and held under direct management are called "ryotwari tracts" when the area of the tract is not less than 5,000 acres. The size of the tract does not make any real difference in the mode of collecting the revenue, which is done directly through tehsildars. It is true that these are not estates in the ordinary sense of the term. In Jalpaiguri, for instance, the ryotwari tracts are blocks of many hundred jotes, each of which pays revenue separately to a tehsildar, and the jotedars have their ryots under them. In the Tooshkhally estate in Backergunge, on the other hand, the collections are made direct from the ryots; as also in Kalimpong in Darjeeling. It does not, however, appear to His Honour that it serves any useful purpose in this connection to distinguish these large tracts from the scattered estates which are owned by Government as having been bought in at revenue sales, or having never been settled with a proprietor; and he has decided that the present class IV of ryotwari estates should be abolished, and that in future the classification of revenue-paying estates is to be—

I.—Permanently-settled estates.

II.—Temporarily-settled estates, viz.—
- (*a*) those settled for periods with the proprietors:
- (*b*) private estates, leased to farmers for periods;
- (*c*) Government estates, leased to farmers for periods.

III.—Estates held direct by Government, viz.—
- (*a*) those managed for proprietors;
- (*b*) those owned by Government as proprietor.

The Board's statements and appendices should be revised accordingly, and the changes introduced in their report for 1891-92.

Demand.

5. The current demand varies little from year to year, as the following table shows:—

Class of Estates.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
	Rs.	Rs.	Rs.	Rs.	Rs.
I. Permanently-settled estates ...	3,22,97,484	3,22,91,720	3,22,90,777	3,22,92,924	3,22,91,318
II. Temporarily-settled estates ...	27,26,304	26,48,556	26,54,561	26,15,488	25,[illegible],300
III. Government estates...	22,36,201	22,32,370	23,08,688	23,32,339	24,22,705
IV. Ryotwari tracts ...	8,35,309	8,43,757	8,59,079	8,62,077	8,71,374
Total ...	3,80,95,298	3,80,16,403	3,81,13,105	3,81,02,828	3,81,67,697

These figures show how stationary the land revenue is in Bengal. The tendency is, in class I to diminish slightly, in class II more considerably; whereas Government estates and ryotwari tracts show a rise, almost continuous in each case, though small in amount.

Financial results.

6. The demands, collections, remissions and balances for the same quinquennial period are exhibited below:—

Year.	Demand.			Collections.			Remissions.	Balances.			Percentage of total collections to total demand (column 7 on column 4).	Percentage of total collections to current demand (column 7 on column 2).	Percentage of current collections on current demand (column 5 on column 2.)
	Current.	Arrear.	Total.	Current.	Arrear.	Total.		Current.	Arrear.	Total.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			
1846-87	3,80,95,298	25,13,482	4,06,08,780	3,63,87,215	20,20,558	3,84,07,773	1,77,733	16,89,700	3,33,565	20,23,274	94·58	100·82	95·5
1887-88	3,80,16,403	19,17,014	3,99,33,417	3,62,58,301	15,81,740	3,78,40,041	23,820	17,56,538	3,13,018	20,69,556	94·75	99·53	95·4
1888-89	3,81,13,105	20,44,566	4,01,57,671	3,54,36,974	17,32,244	3,71,69,218	30,883	26,73,355	2,84,216	29,57,571	92·56	97·52	92·9
1889-90	3,81,02,828	29,20,128	4,10,22,956	3,62,05,567	24,60,255	3,86,65,822	96,349	18,79,868	3,80,917	22,60,785	94·25	101·5	95·02
1890-91	3,81,67,697	22,46,426	4,04,14,123	3,67,33,458	18,52,435	3,85,85,893	43,066	14,30,852	3,54,312	17,85,164	95·47	101·8	96·2

The Lieutenant-Governor is glad to learn that the Board are issuing the necessary instructions with a view to "showing the real demand of the year and the full amount actually recovered within the year." And they have done a great deal by the addition of columns 23 and 24 to the set of Statements II to IID to correct errors of this character, which arose from showing as arrears instalments which could not legally be collected within the financial year, and from not showing as collections sums which had actually been paid in within the financial year, but which through the dilatoriness of the tauzi and account branches had not been credited in the year's accounts. The total amounts under these two heads were Rs. 1,05,462 and Rs. 1,41,563 respectively. He regards the prompt recovery of the current demand as a more important test of administrative ability than the collection of arrears. He would therefore like the three Statements, which will in future be IIA, IIB. and IIC, to have their columns arranged so as to show the ratio of the last column under three heads—ratio of current collection to current demand, of arrear collection to arrear demand, and the total ratio as at present.

Collections and balances.

7. The main facts of the year are that the current demand was Rs. 3,81,67,697, showing an increase of Rs. 64,869 only from 1889-90, but the current collections increased by Rs. 5,27,891, viz., from Rs. 3,62,05,567 or 95·02 of the current demand to Rs. 3,67,33,458 or 96·2. The arrear collections fell off in actual amount from Rs. 24,60,255 in 1889-90 to Rs. 18,52,435 in 1890-91, and in ratio to demand from 84 to 82 per cent. The total collections of the year under report were Rs. 3,85,85,893 instead of Rs. 3,86,65,822 in 1889-90, but the total balance due at the end of the year was Rs. 17,85,164 against Rs. 22,60,785,

for the preceding year—a reduction of nearly 5 lakhs of rupees. Indeed, taking into account the errors in the demand and the payments not brought to account, referred to above, the true balance at the close of the year was only Rs. 15,38,139, or 3·8 of the total demand, or in other words the total collections were 96·2 per cent. of the total demand. Having regard to the higher standards attained in other provinces of India, which are not permanently settled, the Lieutenant-Governor cannot be satisfied with these figures, especially as regards the arrear collections, but he trusts that with the standards now prescribed, and the greater attention that should be paid to these matters, better results will be attained in future.

Remissions.

8. Out of a total demand of Rs. 3,85,85,893, the remissions of grace amounted to Rs. 43,066 only. Analysing these figures, it appears from the Appendices to the Board's report that Rs. 16,687 were remitted in temporarily-settled estates managed direct, and Rs. 23,488 in Government estates managed direct; total Rs. 40,175, out of the Rs. 43,066. These figures illustrate the loss incurred by direct management, besides the cost of the establishment. The largest remissions allowed in certain districts are stated by the Board in their paragraph 15, with an explanation of the grounds on which they were granted. Sir C. Elliott desires that it may be clearly shown in future what proportion of the larger remissions was allowed in estates under direct management.

Collections in permanently-settled estates.

9. Turning to the different classes of estates, the Lieutenant-Governor notices that, in respect of permanently-settled estates, only two districts, Patna and Shahabad, fell short of the standard hitherto required, viz., 95 per cent., and that in both these cases excessive leniency is considered to have been shown in the working of the sale law. The Board have no doubt called for a full explanation, through the Commissioners from the Collectors in charge. As the total collections were 97·95 on the total demand, and Rs. 10,13,042 were collected out of an arrear demand of Rs. 10,28,456, His Honour does not think there should be any real difficulty in attaining the new standard of 99 per cent., or in collecting all or nearly all the arrears in the ensuing year.

Collections in Wards' estates.

10. The improvement in the collections from Wards' estates shows that there was bad management in former years, apart from the Burdwan Raj default of 4 lakhs of rupees in 1888-89. As their collections ought to be, as a rule, at least double the Government revenue, there is no excuse for arrears under the Court of Ward's management, especially if the order is given that the land revenue is to be a first charge on the estate, to be paid before anything else. It recently came to His Honour's notice that in a trust-estate an arrear was allowed to occur in the Government revenue, so that a payment might be made to the trust fund. It must be distinctly understood that the Government revenue has the priority over all demands, and that the salaries of the Managers and establishments are not to be paid until the Government demand has been provided for. The Board are requested to issue the necessary rules to this effect.

Collections in temporarily-settled estates.

11. The balances in temporarily-settled estates have been reduced from Rs. 5,56,988 to Rs. 4,47,273; but even this is too high a proportion on the total demand of Rs. 31,07,478. The difficulties in Midnapore are well known to Government, and have caused Rs. 2,58,737 of the arrears. The Board (paragraph 22) have drawn attention to the trouble given by the farmers in Eastern Bengal; this remark, though true of Dacca, is not applicable to Chittagong, as the figures in column 16 of Appendix IIB relating to the latter division are comparatively low. Everywhere else, except at Burdwan, Nuddea, and Khulna, the farmers have paid up their dues better, and in most cases remarkably better, than the estates managed direct. The Lieutenant-Governor would discourage direct management as far as possible, but the Commissioner of Dacca should see that more care is taken in requiring adequate security from farmers and punctual payments. Instances of neglect of proper precaution of this kind came recently to His Honour's notice at Mymensingh, and again at Barisal. His Honour entirely agrees with the Board that there seems to have been mismanagement in leasing certain estates to a farmer at Mymensingh without substantial security, and in not realizing the sums due from him while he was making collections from the tenants.

Collections in Government estates.

12. In Government estates the collections were only Rs. 24,73,283 or 83·91 per cent. out of the annual total demand of Rs. 29,47,239, but the balances were reduced from Rs. 6,12,716 to Rs. 4,49,789. The current collections were only 82·2 of the current demand, and the arrear collections 75·5 of the arrear demand. Only in 11 districts the current collections exceeded 90 per cent. of the current demand. These figures speak for themselves of the laxity of administration, and in particular instances the results were very bad, even after all allowances are made. The Board are desired to obtain detailed explanations from the districts named in the margin, against which the percentages of collections in accordance with column 25 of Appendix IIC are recorded and to convey to the Collectors concerned their opinion on the sufficiency of those explanations.

Monghyr ...	49·3	Dacca ...	63·51
Patna ...	58·6	Burdwan ...	65·16
Midnapore ...	60·81	Mozufferpore ...	68·6
Mymensingh ...	61·23	Pubna ...	73·14
Moorshedabad ...	63·	24-Pergunnahs ...	78·3

In comparing the two systems of direct management and farming of Government estates, the financial results in the form of percentages of collections, which are 84·6 and 81·6 respectively appear to recommend the former, but a closer inspection shows that the remissions were Rs. 23,488 under the former and Rs. 679 under the latter system, and of the still outstanding arrears it is anticipated that about Rs. 45,000 will have to be remitted in the directly managed, and less than Rs. 3,000 in the farmed estates. The Lieutenant-Governor understands that in Eastern and Central Bengal at least the reason why these estates belong to Government is to be found in the movements of the great rivers; as they have been either so diluviated that the rents no longer covered the revenue, and they were sold for arrears and bought in by Government, or else they were found in the beds of great rivers and accrued to Government, not having been included in the permanent settlement. The management of such estates is very difficult and laborious in many cases. His Honour in some cases found the receipts to be less, or little more, than the salary of the collecting establishments: there are also great delays over the settlement of these estates, and no doubt much peculation occurs. He would therefore discourage the direct management of these estates, and sell them, where possible, or else farm them out for short terms of five or seven years.

Collections in ryotwari tracts.

13. The total collections of the year from the so-called ryotwari tracts were Rs. 8,62,949 against a total demand of Rs. 9,51,450, or 90·78 per cent., and they were even less than the current demand, Rs. 8,70,430, so that the balances due have increased from Rs. 80,076 in 1889-90 to Rs. 87,239 in 1890-91. The excuses offered for these balances are not satisfactory. While in Darjeeling there were absolutely no arrears at all, they amounted to about Rs. 52,000 in the adjoining and similar tract in Jalpaiguri, and there the Lieutenant-Governor ascertained that there had been great remissness on the part of the tehsildars, who, though the kist fell due on the 15th February, had made no collections of the amount in default by the 1st April. A lax system has been allowed by the local authorities to obtain in this district, and the Lieutenant-Governor has recently issued orders for a reform, which the Board should carefully watch. The balances in Monghyr and Bhagulpore also (over Rs. 12,000 and Rs. 10,000, respectively), are not creditable to the administration.

Estates under direct management.

14. The Lieutenant-Governor has carefully examined the figures in paragraph 42 of the Board's report under Appendix VI, which professes to give full details, district by district, of the state of collections in the khas mehals, and fails to understand how they have been obtained. The totals show 2,029 khas mehals with a current demand of Rs. 29,18,497. Now, by picking out the figures of direct management, there would appear to be—

	Estates.	Current demand.
		Rs.
In Appendix IIB	295	5,02,424
Ditto IIC	1,840	18,10,980
Ditto IID	21	8,71,374
Total ...	2,156	31,84,778

It is not understood why these figures do not harmonize with those in Appendix VI, and the Lieutenant-Governor would be glad of an explanation. He notices that in respect of the districts of Burdwan, Midnapore, Hooghly with Howrah, Rajshahye, Chittagong, Tipperah, Darbhanga, and Cuttack, the figures in column 3 of Appendix VI do not correspond with the totals of the number of estates under direct management, as ascertained from column 4 of Appendix IIB, column 4 of Appendix IIC, and column 3 of Appendix IID, though they do correspond for the other districts. Also, it is not clear why the Sonthal Pergunnahs are omitted from Appendix VI. These points should also be explained. The statements for each district in Appendix VI, and for each division in paragraph 43 of the Board's report, both omit the really important ratio of the collections of current demand. In any district which collects less than the current demand, so that the old arrear not only does not diminish but increases in amount, the officer responsible is *primâ facie* censurable. Sir Charles Elliott notices that the Board are not satisfied with the work of the year, and in future the census cannot be advanced as an excuse for indifferent work. In the following districts the collections fell below the current demands:—Burdwan, Bankoora, Rajshahye, Pubna, Jalpaiguri, Dacca, Furreedpore, Mymensingh, Tipperah, Monghyr, Bhagulpore, Maldah, and every district in the Presidency and Patna Divisions. The Lieutenant-Governor agrees that in such cases as the Majnamoota and Jellamoota estates there should be a thorough investigation of the outstanding balances, and the accounts cleared of irrecoverable arrears. As to the explanations generally offered, Sir Charles Elliott thinks that the Board do not sufficiently bring out the fact that in Eastern Bengal many of these estates are churs, very subject to diluvion, and much injured by the floods of 1890. He has also observed that the kists are unsuited in date and amount to the periods and the volume of the crops. But still, making all allowance for these considerations, the remissness about collections in some place is great and cannot be allowed to continue.

Road and Public Works Cesses.

15. The subject of the Road and Public Works Cesses has been more fully treated in the review of the separate report thereon. The demands, collections, and balances of 1887-88 to 1890-91 are shown as follows (1886-87 having been a half-year only, owing to a change duly recorded at the time):—

Year.	Demands.			Collections.	Remissions.	Balances.	Percentage of balances on gross demand.
	Current.	Arrear.	Total.				
1	2	3	4	5	6	7	8
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1887-88	76,13,146	16,61,553	92,74,699	75,35,112	16,398	16,98,409	18·3
1888-89	76,19,896	17,20,662	93,40,558	74,55,777	20,925	17,98,912	19·2
1889-90	76,60,539	18,04,134	94,64,673	77,54,684	76,585	16,58,728	17·5
1890-91	78,38,927	18,35,056	96,73,983	76,81,012	12,061	19,33,855	19·9

The balances are hereby shown at a higher amount than ever before, and the percentage of the balances on the gross demand is nearly 20. Again, as above, His Honour has to remark with disapproval that the collections of the year do not reach the current demand. The occurrence of two holidays on the 28th and 29th March may have affected the payments at the March kist to some extent, as in the case of the land revenue. But this does not really explain the arrears, and the Board rightly continue to urge the District Officers to display greater energy in the realization of the cesses. It is expected that with the simplification of the tauzi and the diminution of the number of kists, which His Honour has in contemplation, better results will be attained.

Redemption of land revenue.

16. The redemption of land revenue is allowed at 25 and 30 years' purchase, under long-standing orders of Government. The only advantage of it to Government is that petty estates which give more trouble than they are worth are thereby removed from the revenue roll. The scheme tried temporarily in Chittagong to induce the holders of estates paying less than one rupee per annum to redeem at only ten years' purchase was taken advantage of by a comparatively small number. It is certainly good

policy to have got rid, even for so comparatively small a sum as Rs. 2,28,899, of 19,281 estates, which paid only Rs. 13,470 Government revenue. The Board appear to have adopted an unauthorised nomenclature in classifying Chinsurah, Baranagore, Punchannogram, and Sahiban Bagicha as Districts.

Remittance of land revenue by means of postal money-orders.

17. The expansion of the system of paying land revenue and other public demands by postal money-orders, since it was extended to all districts from the 1st April 1887, can be seen from the figures subjoined:—

Year.			Number.	Amount of revenue paid.	Average value of each order.
				Rs.	Rs. A.
1887-88	...	...	47,248	2,07,156	4 6
1888-89	...	...	92,402	6,60,800	7 2
1889-90	...	...	139,535	11,11,353	7 15
1890-91	...	...	160,892	15,64,268	9 11

This is a remarkable development. The number of estates has not increased this year in the same ratio as before, but the average value of each order is more than double what it was three years ago. It has been provided during the year that no revenue money-order is to be refused, but that all are to be accepted on account. There is no objection to this arrangement, but, as the Board reported in 1889-90, "the mere fact of a zemindar paying money into a post office by the kist day for a land revenue money-order is insufficient to protect an estate from sale: the land revenue must be paid into the treasury by sunset of the kist day." The Lieutenant-Governor cannot understand why (as the Collectors of Patna and Gya seem to maintain) a money-order should give more trouble than an ordinary revenue chalan, and he will sanction no additional establishments on account of the introduction of this system. It is likely to develop still further; but, considering the number of estates for which the revenue is paid through revenue agents and mukhtars, a limit exists to its operations.

The payment of rents by postal money-orders has only been in force in four divisions since 1st July 1890, so that sufficient time has not elapsed to gauge its working. A large percentage of the money-orders is refused by the zemindars, and one explanation given is that they are under the impression that by receiving them they will admit that the sum remitted is all that is due. It has also been said that the rent-payers frequently give incorrect description of their tenures, or of the instalments due, and omit charges for interest on arrears, thus causing inconvenience in the adjustment of accounts. These points will come under enquiry in due course.

The Sale law.

18. Only 762 entire estates and 309 shares of estates or interests – total 1,071 – were sold during the year out of 14,483 which became liable to sale for non-payment of the dues of Government. The figures of several years past, reproduced here, as follow,

				Defaults.	Sales.
1884-85	...	...	...	10,575	1,836
1885-86	...	...	...	12,445	1,770
1886-87	...	...	...	14,456	1,859
1887-88	...	...	...	14,745	1,863
1888-89	...	...	...	13,153	1,142
1889-90	...	...	...	13,656	1,273
1890-91	...	...	...	14,483	1,071

show the tendency of defaults to increase and of actual sales to diminish. In Orissa there appears to have been some delay in the post office in transmitting the money-orders to the collectorates, but, in accordance with what has already been said, it is undesirable that exemption from sale should be granted as a matter of course, even on this ground. The people should understand that payment into the treasury by sunset of the last day is the essential act, and, if the revenue is paid by money-order, the payment should not be put off till the very latest day. It is presumed that the statement in paragraph 64 of the Board's report has not been prepared strictly according to the financial year, and that the defaults shown include those of 28th March 1890, and not those of March 1891, while the sales are those which took place between 1st April 1890 and 31st March 1891. The Lieutenant-Governor is inclined to think that the policy of leniency to the zemindars in exempting their estates from sales for default has been carried too far, and has already expressed his willingness to support the Board and Revenue Officers in insisting upon a punctual payment of the dues of Government. His Honour lately pointed out to the Board the great delay there is at present in preparing the list of defaulting estates and their

arrears, and in taking action under it, and has suggested the Register to show each stage in the procedure subsequent to the of a payment; he hopes also to be able to reduce the number of instal of majority of instances from four to two. When these changes the effected, Appendix VIII should be remodelled, so as to show for each ment the dates on which the lists of arrears were prepared and the al- auctions held.

Certificates.

19. The number of certificates filed has varied in the last five follows:—

18-6-87	...	...	...	177,618
1887-88	...	.	...	176,608
1888-89	...	...	...	169,072
1889-90	...	...	...	166,951
1890-91		...	...	142,878

This reduction of cases instituted is in itself a matter for congratulation, bi it is also satisfactory that the year closed with fewer pending cases (viz., 78,524, than it began with (viz., 92,866). The Board write:—" It may be observed generally that the certificate procedure, though giving the Government the advantage of securing a decree without the proverbial delay of a civil suit, is attended with delay in numerous cases in the disposal of objections to the decree, which must be fully investigated on evidence, oral and documentary, and in the executive proceedings which follow the provisions of the Code of Civil Procedure Such cases usually occupy several months, and a considerable percentage of the certificates filed in the last month cannot ordinarily be disposed of within the year." The Lieutenant-Governor recognizes the correctness of this view, and requires nothing unreasonable. But he has formed a strong opinion from personal observation of the dilatoriness with which certificate cases are allowed to proceed, and a revised form of the register No. 10 maintained under the Public Demands Recovery Act is under consideration, to admit of a better check being kept on the progress of such cases. The enormous increase of cases in the Orissa Division for the collection of water rate dues is to be regretted, and it is possible that the procedure has been too rigidly pressed in claims for illicit irrigation. The whole subject is under special enquiry. In Midnapore, the large number of defaults was said to be due partly to the low rate of process fees. This has been raised, so as to make the process more punitive. The certificate procedure is, however, more largely used in the collection of the road and dâk cesses than in any other department. It is under c nsideration whether pressure can be put on the payers of Government revenue (who are in nine cases out of ten revenue agents and mukhtars, employed by the landed proprietors, not the proprietors themselves) to induce them to credit the payments they make first to cesses and afterwards to land revenue. When the proprietors are well off and have no difficulty about paying the State demand, but merely default through dilatoriness and want of business habits, there should be no difficulty in explaining to their agents the advantages of the system and obtaining their co operation. As to the certificate procedure generally, His Honour has to complain of the great want of system in pushing on the cases. A Court of Wards' Manager, for instance, will often pour in hundreds of requisitions, get the first process issued, and then do no more. There is room for apprehension that equal laxity is displayed in the collections of the cesses and water-rates.

Realization of Government demands by imprisonment.

20. Sir Charles Elliott will take this opportunity of stating his opinion that imprisonment as a compulsory measure of payment should be discouraged, and no officer should order it unless quite satisfied that the defaulter has concealed property. This conclusion, and the grounds for it, should be entered in the order of imprisonment, and a copy sent to the Commissioner for information in each case. The fact that so many as 63 defaulters served their time, and after all did not pay, shows the futility of the procedure in these cases.

Estates under direct management.

21. The total cost of managing the Government Khas Mehals amounted to Rs. 1,97,538, which is a moderate charge for the collection of nearly 30 lakhs of rupees. The Lieutenant-Governor would be glad if the Board would next year furnish a subsidiary statement showing the details of the expenditure and

especially of the establishments in each district which are charged against these collections. The total sum spent on miscellaneous improvements in these estates was Rs. 80,625, but a large portion of this (Rs. 34,052) was expended on the Orphangunge Market at Kidderpore. The total sum compares unfavourably with previous years, and the amount really spent in the mofussil (Rs. 46,573) is only a little above 1½ per cent. on the collections. Experiments were made with the cultivation of certain staples, but with limited success. Potatoes did fairly well in Cuttack and Jalpaiguri, and Buxar wheat in Hooghly. The record of failures is much longer, and it seems to His Honour that much greater care should be taken in embarking upon such projects. Certain agricultural implements, such as the sugarcane mill and the Sibpur plough, were appreciated; but the latter is too dear for general use. The Lieutenant-Governor notices the doubt expressed by the Board whether the 1½ per cent. contribution for collections on Government estates is not merged in the general income of District Boards, and is glad that enquiries are to be made on the subject. The largest expenditure on roads was incurred in Jalpaiguri—to the amount of Rs. 56,807. With regard to the number of embezzlements committed by the officials concerned with khas mohals, the Lieutenant-Governor presumes that the Board have called for a report showing the amount and character of the security taken from each officer entrusted with collections or the charge of money. It is essential that the security taken should be in cash or Government promissory notes, and not in landed property.

Surveys and Settlements.

22. The survey work of the year has been discussed in reviewing the report of the Director of Land Records. So also have more important settlements, such as those of the Western Dooars, Chittagong, and Orissa. But a great deal of petty settlement work is carried on by the ordinary district staff, who were engaged during the year in concluding 126 original settlements, 324 resettlements, and 141 summary settlements (total 591), and 1,523 cases were left pending at the end of the year. It appears that out of Rs. 71,018 assigned by Government for this ordinary settlement work, the expenditure of only Rs. 41,992 had been brought into account. The Lieutenant Governor made many enquiries on tour regarding these settlements, and is not at all satisfied with the dilatory and unsystematic manner in which the work is conducted. In very few cases is any check kept on the proceedings of the officers, and seldom, so far as could be discovered, does the Collector take any steps to keep himself informed, week by week, or month by month, that real progress is being effected In some districts, where alluvial lands, churs, and dearas have to be settled, the Settlement Officers delay in taking the field when the waters have dried up; but there is no delay on their part in leaving the work on the pretext that the waters are rising again, or for any excuse, such as the heat of the weather, or the compilation of the annual reports at head-quarters. There should be greater despatch with every stage of the case—with the measurement, the testing thereof, &c.—as laid down in the Settlement Manual. His Honour has observed that in many cases no sufficient supervision is applied to settlement work. The fact that the work is mainly left to the Kanungos and Sub-Deputy Collectors, the lowest of the official hierarchy, is enough to show that it would be unreasonable to expect very efficient work. Unless proper guidance is afforded by the superior officers, the cases linger on, and the presumption is that all sorts of irregularities are rife. The register of pending settlements is often kept up in such a way that it is impossible to extract the information required without turning to the registers of previous years or the records themselves. The register should show the history and progress of all settlements, and enable the inspecting officer to keep his eye on them. The Board have been separately asked to improve the existing form of register for this purpose. If progress is arrested by suits in the civil courts, the fact should appear in the register, and the case should be watched with a view to renewal of proceedings wherever possible.

Irrigation and Drainage.

23. The insufficient collection of water-rates has already been noticed. In the statement of the demand, collection, and balances in the districts irrigated by the Sone Canals there is no column to show the current demand, or the percentage of it collected. But the figures given are sufficient to show that the ratio of collections to demand is low, especially in the Patna district, where it has fallen from 38·7

to 34·5. On the Orissa Canal the collections were only 46·1 per cent. of the demand, against 48·7 in the preceding year, and they fell much below the current demand of the year. The capitalization of the maintenance charges of the Dankooni drainage scheme has been sanctioned, and the several projects known as the Howrah, Rajapore and Ampta schemes, undertaken for the reclamation of large tracts of country, are in different stages of progress.

Embankments.

24. In the Government Resolution on last year's report the Board were desired to give special attention to the subject of embankments in their report for 1890-91. A succinct account has therefore been furnished of each of the principal embankments. In accordance with the policy which has been decided on by Government, after mature deliberation, with a view to prevent the rivers from becoming as it were high level canals, always liable to be breached and carry havoc far and wide, a portion of the embankment on the right bank of the Damoodar is being removed, portions of it being left, in lengths of 150 feet each, to form platforms of refuge. Proposals have also been made to allow the Damoodar floods to find more rapid exit down the Rupnarain. The removal of the embankments of the Argowal circuit in Midnapore with a view to raising the level of the tract within the embankment is also under consideration. The plan suggested by the engineers of allowing a river to spill gently over a wide area, rather than to attempt the impossibility of continuing to confine it for ever within banks which must be constantly raised as the bed is raised by the silt, commends itself to common sense, but it is not so readily accepted by the people, whose crops are thus exposed for the time to injury. The question of providing more sluices for the outlet of flood-waters in the embankments constructed in the 24-Pergunnahs to protect the country from tidal inundation is one that will have the immediate attention of Government, when the people interested are prepared to deposit the cost of the works. Action will be taken in the ensuing cold weather to remove under the Embankment Act a considerable length of the northern embankment of the Goomti in Tipperah.

Land registration.

25. The work of initial registration remains to be completed in the Cuttack and Balasore districts only. Orders have been issued for the completion of the remaining work regarding revenue-free properties in both these districts and the submission of the final reports. There has been much too great delay in the execution of this measure. The re-writing of the first registers prepared under the Act has been finished in 31 districts, and some advance has been made in others. The work is of a kind which requires care and accuracy, and it is to be feared that it has in some cases been treated as if it were purely of a formal character. At Mymensingh lately Sir Charles Elliott found register C being re-written without adequate supervision. The work had not been carried out with sufficient intelligence, and no check was kept either over its quality or quantity. He has called for a special report. During the year 55,461 applications were made for registration of mutations under section 42 of the Land Registration Act. These figures give a percentage of 5·7 on the total number of interests registered under initial registration: the percentage has been improving every year since 1887-88, when it was 3·8. It would seem as if the rules issued with the approval of Government for the purpose of furthering registration by means of executive action were producing some effect. More advantage was taken of the Act in the Dacca and Chittagong Divisions than elsewhere.

Partitions.

26. The greater part of the partition or batwara work lies in the Patna, Bhagulpore and Dacca Divisions. The numbers of the cases disposed of during the last five years are given as follows:—

Year.	Patna.			Bhagulpore.			Dacca.		
	Institutions.	Disposals.	Pending at end of year.	Institutions.	Disposals.	Pending at end of year.	Institutions.	Disposals.	Pending at end of year.
1886-87	433	393	1,501	61	86	209	93	68	256
1887-88	436	380	1,557	38	99	148	92	67	281
1888-89	466	408	1,615	45	73	120	127	73	337
1889-90	456	434	1,637	34	50	104	153	93	397
1890-91	446	393	1,690	48	25	127	176	121	453

These figures show that in two divisions—Patna and Dacca—the number of cases pending is steadily increasing, for the simple reason that the disposals never equal the institutions. In Monghyr the progress was unsatisfactory this year, and is accounted for by the ill-health of the late Collector. Government are in correspondence with the Board on the question of amending the Partition Act, and a report is awaited on the proposal to diminish the number and character of appeals by disallowing appeals on interlocutory subjects, and by giving to Deputy Collectors the powers of Collectors. The Lieutenant-Governor has had reason, from some cases which have come under his notice, to express a fear that proper control is not exercised over the special officers in charge of this work, and that they are not always required to show a prescribed standard of progress or outturn of cases.

Land Acquisition.

27. The Board were asked last year to pay special attention to such questions as the supervision necessary to check the irritating and expensive delay which often occurs in land acquisition proceedings, the difficulties which have arisen in assessing the value of the land taken up, and how those difficulties have been dealt with. They have during the year submitted special reports in connection with complaints made by the authorities of the Bengal-Nagpur and Tirhoot State Railways regarding the excessive cost of the land acquisition establishment and the rate of progress. It appears also that delays are often caused by the parties interested not answering the notices served on them, and by the time taken in disposing of cases pending in the Civil Court. Also, complicated enquiries have to be made to determine the market value of land with due regard to the interests of all parties. All these difficulties are enhanced by the systematic neglect of the parties interested to attend the Collector's office and assist him in arriving at a proper valuation. The Board allude to the special instructions which they have issued to ensure regularity and promptitude, and state that the periodical returns are carefully scrutinized. The Lieutenant-Governor has recently called for the submission of a number of these returns. As he has found reason to be dissatisfied with the manner in which lands are acquired for railways and other minor projects, he has caused the Board to be separately addressed with a view to effecting some improvement.

Advances.

28. The sum of Rs. 85,122 is said to have been granted for advances under the Land Improvement Loans Act, 1883, on the requisition of local officers, though the actual advances only amounted to Rs. 21,600. It should be explained why there is so great a difference between these two sums. The Lieutenant-Governor fully concurs that the applications for these loans should be carefully checked and the proper application of the funds watched. Under the Agriculturists' Loans Act of 1884 the sum of Rs. 1,55,835 was advanced, of which Rs. 64,318 were issued in the Presidency Division for the relief of the distress caused by floods in Nuddea, Jessore, and Moorshedabad, and Rs. 83,582 distributed in the Patna Division, viz., Rs. 11,050 in Mozufferpore to those who suffered from the cutting of the Turki embankment, and Rs. 68,481 in Sarun to those who lost their bhadoi crops by the Gogra floods. Nothing is said as to the outstanding advances of previous years. His Honour presumes that some of these amounts have been recovered in accordance with the rules under which the advances were made. Next year full information should be given, district by district, to show the outstanding debts, the loans of the year, the recoveries during the year and the balance due at its end. The recipients must be made to understand that loans are meant to be repaid, and are not gifts.

Working of the Bengal Tenancy Act and relations between landlords and tenants.

29. In the Resolution of 3rd October 1889 on the Board's Report for 1888-89, a special report on the working of the Bengal Tenancy Act, after it had been in force for five years, was asked for. The Board are collecting the materials for this report, but the census has retarded its submission. They therefore have little to add but confirmation to their view, previously expressed, "that the landlords and tenants have not yet acquired a full knowledge of the provisions of the Act; that they have abstained to a great extent from appealing to it; and that it has not tended to increase disputes and litigation. The working of the Act so far has been, on the whole, beneficial, although defects have been found in some of its provisions." His Honour has no desire to anticipate

the special information which he may expect to receive before long. So far as it has come before him, the Act is taking its place as the general rent law of the province, and its main provisions appear to be well understood. It is stated that there were not very many cases of serious manifestations of ill-feeling between landlords and tenants. Disputes occurred in several districts, but at the same time previous disputes had either been amicably settled or matters had quieted down, as in the case of the indigo disputes in Jessore and the strained relations which prevailed in Killah Aul in Cuttack. The Soojamoota ryots continue to give trouble. In Pubna there are said to be three parties at variance—the old impoverished landlords, the wealthy men who seek to obtain property or to add to their lands, and the ryots: they deeply distrust one another, and frequent acts of violence occur. The evils of absentee landlordism and of the misconduct of local agents are common. The old difficulties between the Maharajah of Hill Tipperah and his tenants in the estates he owns in the Tipperah and Noakhali districts also continue. In Gya a point, important in its bearing on the rent question, has arisen with reference to a ruling of the High Court regarding *abwabs*. The *Kharwars* in the hilly tract to the south of Shahabad are trenching on the prerogatives of the zemindars. On the other hand, the management of the Darbhanga and Bettiah estates is favourably mentioned. There has been a feeling of agitation and discontent for some time past in a portion of Chutia Nagpur, which has induced Government to apply to the Government of India for the extension of the Tenancy Act to that Division. The Kol cultivators are on bad terms with their landlords, and are said to harass them by refusing to pay rent to them direct, but depositing it in court, and by declining to render them any of the customary services. This portion of the Board's report will be considered in the Judicial Department, and the Lieutenant-Governor will let it be known that any resort to violence will entail very serious consequences on the offenders.

Notices of transfer and landlords' fees.

30. The number of notices of the voluntary transfer of tenures, which in previous years ranged as high as 89,564, has fallen to 27,636. This decrease is again attributed to the restriction of the issue of notices in cases of transfer to entire permanent tenures, to the exclusion of fractional shares and ryoti holdings at fixed rates: applications for their registration were formerly wrongly admitted. The Lieutenant-Governor understands that there is a body of opinion in favour of repealing sections 12-15 of the Act. He will not attempt to prejudge the point at present. But, so far as their retention depends on the present system of payment of landlords' fees, he cannot think that they are entitled to much support on that ground. It has come to his notice that these numerous petty payments present many openings to fraud and cause much trouble. In consequence of the reluctance of the landlords to accept the fees, a large proportion is deposited in the treasury, and probably will eventually lapse to Government. This was not, it is presumed, the original intention of the Legislature.

Preparation of price lists.

31. No objection has been taken in any case to the price lists of staple food-crops, which continue to be duly prepared and published every month. As the Board say, the object and the importance of these lists appear not to be understood or appreciated by the general body of the cultivating class.

Settlements.

32. Besides the several important settlements in progress in the Chittagong district and in Orissa, there were a number of settlements of some size in Backergunge, Midnapore, Tipperah, Beerbhoom, which have been duly noticed in the separate Resolution which the Lieutenant-Governor has directed to be issued on the Director of Land Records' report. He has ordered the preparation of two settlement reports annually by the Director—one, mainly financial and statistical, to cover the financial year; the other, the Administration Report, to show the results of the survey year, which runs from the 1st October to the 30th September. All officers in charge of settlement operations are in future to furnish half-yearly progress reports of their work.

Rent suits.

33. Rent suits are tried by Revenue Courts under Act X of 1859 only in Orissa, Darjeeling, Julpaiguri, and Manbhoom, and in the rest of the Chutia Nagpur Division under Act

I (B.C.) of 1879. The diminution of suits from 29,058 to 28,623 is satisfactory, so far as it goes. His Honour would wish the Board to enquire into the practice said to have been introduced in Manbhoom of bringing suits for monthly kists against recalcitrant tenants. The Commissioner has reported that this abuse was checked by the Munsiff refusing to award costs. It is not a practice to which the Lieutenant-Governor can lend the countenance of Government, calculated as it is to harass the ryots excessively. This appears to afford another reason for the introduction of the Tenancy Act into the division, so that protection may be afforded to the ryots by section 147 thereof. It is satisfactory that no more than 126 notices of enhancement issued in 1890-91 in the eight districts in which they are still legal. Where the Tenancy Act is in force, they have been abolished, and the institution of the enhancement suit is all the notice that is afforded to the tenant.

MISCELLANEOUS.

Inspections by Collectors of their own offices.

34. The half-yearly inspections of their own offices by Collectors are said to have been regularly made, with few exceptions, and it is added that the inspections appear to have been full and no irregularities of importance were disclosed. It is presumed that the Board have satisfied themselves of the completeness of these inspections from the reports submitted to the Commissioner. In one district (Moorshedabad) the Lieutenant-Governor lately found that the Collector had on his half-yearly inspection discovered very serious irregularities, for which some of the principal ministerial officers were responsible. The Board's own rules are perfectly clear on the subject of these office inspections, and, with the Inspection Manual provided to their hands as a guide, officers have no excuse for failure to carry out this important duty. Two years ago Sir Steuart Bayley had it recorded that "he must insist again on the standing orders, which have long been in force, being observed, and he looks to the Commissioner and the Board to ensure that these inspections are made in an efficient and useful manner." The Lieutenant-Governor requests that the Board will in future in their annual reports give the names of those officers who have failed to make both the half-yearly inspections of their offices fully, and will exclude those officers from the list of those specially commended. Apart from the above, the Lieutenant-Governor considers that the gazetted officers of the Subordinate Executive Service should more frequently inspect the departments in their charge. At present it seems to him that they do not sufficiently impress their personality on their subordinates, and, that the heads of such offices as the Record-room, the Nizarat, the Tauzi, the Road Cess Certificate office, &c., receive but little direct guidance and supervision from the Deputy Collectors who are in charge. They should exercise a constant supervision, take the initiative in keeping their establishments fully employed, and not wait for the subordinates to submit matters at their own pleasure. It is for the Deputy Collectors to guide their clerks and mohurrirs, and thus facilitate the work of the District Officers.

Training of officers in survey and settlement work.

35. A small number of young officers were, in accordance with the policy of Government, employed on survey and settlement duties as opportunities presented themselves. But, with few exceptions, these opportunities can hardly have been sufficient to give them much insight into the questions they would have to deal with in settlement operations of any magnitude. Sir Charles Elliott has lately received with pleasure a very favourable report of the proficiency in survey work attained by Mr. C. G. H. Allen, Assistant Settlement Officer, now temporarily in charge of the Chittagong settlement. He is aware that the conditions of revenue work in Bengal, dominated as everything is by the Permanent Settlement, do not readily lend themselves to the acquisition of such knowledge of questions connected with the land as is ordinarily gained by civil officers in other parts of India; but he hopes, so far as the exigencies of the other branches of the public service admit, that a real training in Settlement work will be obtained by a certain number of junior officers in the Orissa and Chittagong operations already commenced, and in those which have for some time past been in contemplation in Behar.

36. Before concluding, the Lieutenant-Governor will take this opportunity to notice the absence from the Board's report of any mention of any tours of inspection undertaken by the Members of the Board. He has reason to believe that one or other of them has from time to time been absent from Calcutta, for such purposes as visits to the opium factories, or on duty connected with the Sanitary Board; but in his opinion much more than this is required. He thinks that some system should be organized by which the Members should either spend a definite portion of the year on tour, or should visit a specified number of districts in the year. It would be advantageous both to themselves and to their subordinates if they were to inspect Commissioners' offices on the revenue side, collectorates in all branches of revenue work, distilleries and survey and settlement operations, as far as they are able. Sir Charles Elliott is aware that the Members of the Board have to hear important revenue appeals, and that they are responsible for correspondence in affairs of considerable moment. But he believes that the appeals can be fixed and heard according to arrangement, and he presumes that correspondence can be carried on and disposed of by the Members when on tour. One Member only would ordinarily be absent from Calcutta at a time, so that urgent matters could be disposed of by the Member at the Presidency. At any rate, the Lieutenant-Governor may safely say that he would welcome the co-operation of the Members of the Board in improving the mofussil revenue administration of the Province and assisting in the execution of the orders of Government.

Tours of Members of the Board.

37. It now only remains for the Lieutenant-Governor to thank Mr. Halliday and Sir H. Harrison for their valuable services in the Board of Revenue during the year 1890-91. The greater portion of the work in the Land Revenue Department fell upon the former as the Senior Member of the Board. Mr. Halliday is about to retire from the service, but his name will long be remembered in Bengal and Behar, by his fellow-workers and the people, for the many excellent qualities which have marked his career as an administrator. His Honour desires to add his acknowledgments to those offered by the Board to Mr. Smith, Mr. Worsley, Mr. Lyall, and Mr. Toynbee for their work in the Revenue Department during the year. He has been glad to peruse the list of the District Officers specially commended by the Board, and their names will be noted in the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

APPENDIX TO THE RESOLUTION ON THE LAND REVENUE ADMINISTRATION REPORT FOR THE YEAR 1890-91.

Percentages of current collections on current demand of Land Revenue during 1890-91 (*after excluding nominal balances from the demand of the year, and crediting the collections made within the year, but not credited in the accounts of the year*).

Districts.		Permanently settled estates.	Temporarily settled estates.	Government estates.	Ryotwari tracts.
1		2	3	4	5
Burdwan Division.	Burdwan ...	97·5	73·5	54·4	......
	Bankura ...	99·02	..	41·1	......
	Beerbhoom ...	99·8	100·0	100·0	......
	Midnapore ...	99·1	69·9	42·1	......
	Hooghly with Howrah	99·04	100·0	91·7	......
Presidency Division.	24-Pergunnahs ...	99·6	91·02	86·7	99·7
	Calcutta ...	......	......	98·9	......
	Nuddea ...	99·9	96·7	82·2	......
	Jessore ...	98·6	73·4	73·8	......
	Khulna ...	97·01	51·6	85·2	......
	Moorshedabad ...	99·8	84·9	62·3	......
Rajshahye Division.	Dinagepore ...	99·8	100·0	100·0	......
	Rajshahye ...	99·3	97·6	86·1	......
	Rungpore ...	99·8	98·5	100·0	......
	Bogra ...	99·8	......	93·6	......
	Pubna ...	99·7	82·6	67·8	......
	Darjeeling ...	100·0	......	98·6	100·9
	Jalpaiguri ...	99·9	......	......	88·01
Dacca Division ...	Dacca ...	98·7	75·4	62·5	......
	Furreedpore ...	98·7	87·2	95·03	......
	Backergunj ...	99·6	80·6	80·1	91·1
	Mymensingh ...	99·3	88·7	63·4	......
Chittagong Division.	Chittagong ...	98·8	100·0	92·8	......
	Noakhali ...	99·9	96·1	95·2	......
	Tipperah ...	99·3	96·9	87·1	......
Patna Division ...	Patna ...	88·1	67·9	55·6	......
	Gya	99·4	91·1	89·2	......
	Shahabad ...	92·9	77·4	83·1	......
	Mozufferpore ...	98·04	93·4	145·5*	......
	Durbhunga ...	99·8	100·0	98·3	......
	Sarun	97·8	86·6	42·9	......
	Chumparun ...	99·8	71·09	100·0	......
Bhagulpore Division.	Monghyr ...	99·1	100·0	39·8	70·5
	Bhagulpore ...	97·5	99·3	67·9	61·6
	Purneah ...	98·7	79·2	84·7	82·09
	Maldah ...	99·4	88·6	82·1	......
	Sonthal Pergunnahs...	99·9	......	71·9	98·6
Orissa Division...	Cuttack	100·0	99·5	90·6	......
	Pooree	100·0	96·4	94·6	......
	Balasore ...	100·0	100·1*	91·2	......
Chota Nagpore Division.	Hazaribagh ...	99·6	......	99·8	......
	Lohardugga ...	98·6	......	92·9	96·8
	Singbhoom ...	100·0	99·1	......	99·9
	Manbhoom ...	100·0	100·0	......	......

* Under enquiry.

RESOLUTION ON THE ADMINISTRATION REPORT OF THE COMMISSIONERS OF THE PORT OF CHITTAGONG FOR THE YEAR 1890-91.

GOVERNMENT OF BENGAL,—MARINE DEPARTMENT.

Dated Darjeeling, the 24th September 1891.

RESOLUTION No. 173T.—Marine.

READ—.

The Administration Report of the Commissioners of the Port of Chittagong for the year 1890-91.

Financial.

The financial position of the Chittagong Port Fund on the 31st March 1891 is exhibited in the subjoined statement:—

	Rs.	A.	P.		Rs.	A.	P.
Opening balance on the 1st April 1890 ...	1,10,397	5	3*	Expenditure during the year 1890-91 ...	57,428	11	3
Permanent advance ...	100	0	0	Balance on the 31st March 1891	*1,14,931	12	6
Receipt during the year 1890-91	61,863	2	6				
Total ...	1,72,360	7	9	Total ...	1,72,360	7	9

* Includes Rs. 20,200 invested in Government securities.

The Commissioners of the Port are having a steam-tug built at a cost of £11,500, and a loan to cover this expenditure has been granted by the Government. With this exception, the Port of Chittagong is free from debt.

Rules, bye-laws, &c.

2. During the year under review, rules have been made under sections 17, 45, and 64 of the Chittagong Port Commissioners Act, 1887, and a revised scale of tolls, prepared under section 33, has been sanctioned. The Government has also made revised rules for this port under section 6 of the Indian Ports Act, 1889. A book containing the rules, bye-laws, and orders applicable to the port has been printed under the orders of the Government, and copies have been furnished to the Port Commissioners for distribution to those concerned in the trade of the port.

Shipping.

3. The subjoined table shows the number and tonnage of the vessels which visited the port during the year, as compared with the figures of the two previous years:—

		1888-89.		1889-90.		1890-91.	
		Number.	Tonnage.	Number.	Tonnage.	Number.	Tonnage.
European vessels trading with Foreign ports ...	Entered	41	55,774	39	60,701	42	62,042
	Cleared	44	59,655	37	59,355	37	57,288
Native craft trading with Foreign ports	Entered	4	814	4	808	...	...
	Cleared	6	949	4	701	1	143
Vessels trading with home ports	Entered	845	165,318	982	176,550	951	168,376
	Cleared	836	165,495	983	180,053	946	164,073

4. Of the 38 vessels which cleared for foreign ports during the year under review, 19 were bound for the United Kingdom, 3 for Ceylon, 6 for the Mauritius, 7 for New York, 1 for Hamburg, 1 for Aden, and 1 for Trinidad. Those for the United Kingdom, New York, and Hamburg, numbering in all 27, carried jute, while the remaining 11 carried rice. The number of vessels that cleared during the previous year with jute was 33, and with rice 8.

Foreign trade.

5. The total value of the foreign trade during the year was Rs. 1,32,41,393, of which only Rs. 8,75,536 were under imports. The nature of the trade will appear from the

following statement, which shows a net decrease compared with the previous year of Rs. 18,84,265:—

	1889-90.		1890-91.		INCREASE.		DECREASE.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Exports.		Rs.		Rs.		Rs.		Rs.
Rice ... ... Cwt.	213,995	7,72,813	223,638	7,87,007	9,643	14,604	......	......
Jute	1,505,702	1,36,56,771	1,379,692	1,15,40,573	......	......	126,010	21,16,198
Tea ... ... lbs.	19,725	12,776	54,445	32,239	34,720	19,463	......	......
Tobacco	27,604	3,924	......	......	......	......	27,604	3,924
All other articles	......	3,109	......	6,038	......	2,929	......	......
Total	......	1,44,48,893	......	1,23,65,857	......	......	......	20,83,036
Imports.								
Oils	......	2,76,448	......	3,98,056	......	1,21,608	......	......
Salt ... ... Tons.	12,184	3,31,693	19,253	4,50,529	......	1,18,836	......	......
All other articles	......	68,624	......	26,951	......	......	......	41,673
Total ...	......	6,76,765	......	8,75,536	......	1,98,771	......	......
Total Foreign trade	......	1,51,25,658	......	1,32,41,393	......	......	......	18,84,265

6. In the coasting trade the exports increased, but the increase was more than counterbalanced by a decline under imports, the net result having been a decrease in the toal coasting trade of Rs. 10,50,182.

Coasting trade.

The details of this trade are given in the following statement:—

EXPORTS.	1889-90.	1890-91.	Increase.	Decrease.
	Rs.		Rs.	Rs.
Apparel, &c.	16,100	20,226	4,126	......
Caoutchouc	450	300	......	150
Cotton, raw	3,07,231	2,69,599	......	37,632
Feathers	8,255	7,880	......	375
Grain, paddy	2,22,059	2,26,622	4,563	......
Rice	4,30,929	9,44,280	5,13,351	......
Other sorts	375	2,097	1,722	......
Hides and skins	2,05,210	1,81,770	......	23,440
Ivory	12,046	6,062	......	5,984
Metals	4,913	8,130	3,217	......
Oils	21,023	58,821	37,798	......
Provisions	1,21,047	1,41,908	20,861	......
Salt	2,15,227	2,48,337	33,110	......
Spices	19,408	48,059	28,651	......
Tea	5,99,811	5,54,913	......	44,898
Tobacco	747	2,427	1,680	......
All other articles of merchandise ...	2,54,639	3,48,726	94,087	......
Treasure	6,30,624	9,33,150	3,02,526	......
Total ...	30,70,094	40,03,307	9,33,213	......

IMPORTS.	1889-90.	1890-91.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.
Apparel, &c.	1,28,145	1,46,486	18,341	......
Books, &c.	17,532	12,707	......	4,825
Cotton twist and yarn	1,02,947	55,618	......	47,329
Piece-goods	10,42,630	13,93,180	3,50,550	......
Grain, paddy	8,208	2,430	......	5,778
Rice	25,052	11,476	......	13,576
Other sorts	57,879	57,941	62	......
Cutch and gambier	9,482	19,463	9,981	......
Hardware and cutlery	38,563	71,774	33,211	......
Gunny-bags	1,04,334	98,419	......	5,915
Jute	1,11,25,186	87,62,632	......	23,62,554
Liquors	33,923	26,074	......	7,849
Metals	39,247	60,598	21,351	......
Oils	1,25,590	95,159	......	30,431
Provisions	1,18,478	1,67,722	49,244	......
Seeds	83,057	41,887	......	41,170
Silk, raw	3,400	2,940	......	460
Spices	29,231	20,918	......	8,313
Sugar	88,582	1,24,626	36,044	......
Tobacco	58,174	65,210	7,036	......
Wood	33,335	27,673	......	5,662
Wood manufactures	3,416	7,396	3,980	......
All other articles of merchandise ...	2,14,944	2,44,226	29,282	......
Treasure	9,500	1,000	......	8,500
Total ...	1,35,00,950	1,15,17,555	......	19,83,395
Total Coasting Trade ...	1,65,71,044	1,55,20,862	......	10,50,182

7. The most prominent fact brought out by the above tables is the important position which the jute trade occupies at the port of Chittagong. The exports of jute from Bengal last year were the highest yet recorded, but Chittagong did not get so large a share of the trade as usual, the exports of that port showing a decline of 126,010cwt., which is the cause of the decrease both in the foreign and the coasting trade. The report under review does not explain the cause of this decline. It is remarkable that the figures given above show the price of jute as only fallen from Rs. 9 to Rs. 8 per cwt., while the reports received from District Officers speak of the price which reached the cultivator as being as low as Re. 1-8 sometimes instead of Rs. 5 per maund.

Jute trade.

A large proportion of the jute exported from Chittagong is brought from Naraingunge in native brigs, and in the Report on the Administration of the Customs Department it is explained that exporters from the latter place preferred to send the bulk of their jute by inland routes to Calcutta instead of sending it by sea to Chittagong. Some explanation of this preference is perhaps to be found in the fact that in the past two years nine of the vessels trading between Chittagong and Naraingunge have been wrecked. The river Megna leading to Naraingunge has not been buoyed or thoroughly surveyed; the winds are violent at times, and it is not to be expected that the river can be navigated by sailing vessels without occasional casualties. During the last nine years the quantity of jute exported from Chittagong has varied between fifty and seventy-five thousand tons, and it does not appear to be probable that the higher of these limits will be largely exceeded until a railway has been built which will enable exporters to bring jute to Chittagong without incurring the dangers which are inseparable from the navigation of a river like the Megna.

8. The rice trade of Chittagong is liable to considerable fluctuations. During the last nine years the quantity exported has varied from nineteen to sixty-five thousand tons. Last year's export amounted to 30,499 tons, showing an improvement of 6,000 tons on that of the previous year. Upwards of one-third of the quantity exported went to foreign ports.

Rice trade.

The average value of the rice exported from Chittagong to foreign ports was Rs. 3·5 per cwt., and of that exported to home ports Rs. 3 per cwt. The corresponding figures for rice exported from the Orissa ports were Rs. 3·9 and Rs. 2·8. The export of rice from the Orissa ports was more than double that of the previous year; 32,110 tons went to foreign ports and 62,813 tons to home ports. The exports from Calcutta also show a large increase, and the average value of the rice exported to foreign ports was Rs. 4·4 per cwt. There appears to be room for a large increase in the quantity of this commodity exported from Chittagong to foreign ports.

9. The total quantity of tea exported amounted to 1,235,448lbs., of which only 54,445lbs. went to foreign ports. The remainder is sent to Calcutta for re-exportation from there. The direct shipments to foreign ports show a slight tendency to increase, and this tendency may be expected to grow stronger in the future.

Tea trade.

10. Salt is brought to Chittagong in the ships which go there for export cargoes of jute and rice. The imports last year amounted to 19,253 tons, showing an increase of 7,000 tons over those of the previous year. A considerable portion of the salt is transported to Naraingunge in the vessels which bring jute from that place.

Salt trade.

11. The imports of petroleum from America increased in value by Rs. 1,21,608, against which has, however, to be put a decrease of Rs. 30,431 in the value of the oil imported from Burma. The total value of the imports was Rs. 4,93,215, while the value of the exports only reached Rs. 58,821.

Petroleum.

12. The value of piece-goods imported from home ports shows an increase of Rs. 3,50,550, but the report suggests that there was a corresponding decrease in the quantity imported by inland routes. The total value of this trade is considerable, and it may be expected that the economy of direct importation will before long be recognised. Sugar and other provisions show increases, due partly to the presence of troops in the Chittagong Hill Tracts.

Piece-goods and other articles imported from home ports.

13. The principal fluctuations in other articles of export are to be found under cotton and hides, in both of which there was a decrease. That under cotton is attributed to a short crop in the Hill Tracts, and that under hides to smaller mortality amongst the cattle in the districts from which the supply is derived.

Cotton and other articles exported to home ports.

14. The appliances of the port are reported to have been kept in good order during the year. The depth of water on some of the bars in the river appears to have decreased slightly, but as no serious accident occurred through this cause, the state of the river may be regarded as satisfactory.

Port appliances.

15. The lights and fog signals of all descriptions of vessels are stated to have been carefully inspected during the year, and several native vessels were prevented from clearing until their side-lights had been put in order.

Lights and fog signals.

16. The health of the shipping in the port was again unsatisfactory. Seventy-three persons were admitted into the municipal hospital against the same number in 1889-90. Of these, 64 persons were discharged, said to have been cured partially, 6 withdrew, and 3 died. The number of deaths in 1889-90 was 6. At the close of the year there was a severe small-pox epidemic which extended to the shipping. Of the 8 cases that occurred, 7 were cured. In the eighth case the patient was also attacked by cholera and died.

Health of shipping.

17. Hospital port dues were levied at Chittagong on all ships manned by European crews at the rate of one anna a ton with effect from the 1st of April 1890; and in deference to the wishes of the local authorities the Government sanctioned an arrangement under which the proceeds were appropriated mainly to the payment of a fixed salary to the Civil Surgeon for attending on the shipping. The arrangement did not prove satisfactory, and the order authorizing the levy of the dues has been cancelled.

Hospital port dues.

18. A new light-house has been built at Norman's Point, and an occulting light of the fourth order has taken the place of the old beacon lights. The first order revolving light which is to be erected at Kutubdia has arrived at Calcutta, but its erection has been delayed through some of the glass prisms having been broken in transit from Bombay. New prisms have been ordered from England, and the light will be erected during the coming fair season.

Light-houses.

Pilotage.

19. The state of the Pilotage Fund is shown in the subjoined table—

	Rs.	A.	P.		Rs.	A.	P.
Receipts during the year 1890-91 ...	10,858	8	3	Balance at debit on the 31st March 1890 as per last report ...	4,970	6	4½
Balance at debit on the 31st March 1891 ...	8,171	0	5¼	Disbursements during the year 1890-91 ...	14,059	2	4
Total ...	19,029	8	8¼	Total ...	19,029	8	8¼

The distribution of receipts and charges between the port and pilotage funds was examined during the year, and under the revised arrangements lately sanctioned it is expected that the receipts on account of pilotage will meet all the expenditure connected with pilotage. The fees for pilotage remain as before.

20. The working of the Pilot Service was satisfactory, there having been no accidents of any consequence to vessels whilst in charge of pilots.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col.*, R.E.,

Secretary to the Government of Bengal.

RESOLUTION ON THE ANNUAL REPORT OF THE PORT OF CALCUTTA FOR THE YEAR 1890-91.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

Dated Darjeeling, the 29th September 1891.

RESOLUTION No. 183T.—Marine.

READ—

The Annual Report of the Port Officer of Calcutta for the year 1890-91.

The report is submitted by Lieutenant E. W. Petley, R.N., who held charge of the Port Office until the 4th of March 1891, when he went on privilege leave. During his absence, Mr. A. J. B. Milner, the senior Branch Pilot, acted as Port Officer.

Office accommodation.

2. The new building designed for the accommodation of the Port and Shipping Offices was completed during the year, and the offices have been moved into it. The Engineer and Shipwright Surveyors and the Health Officer of the Port have their offices in the same building.

Strength of the Pilot Service.

3. The strength of the Pilot Service at the close of the year 1890-91 was 60 pilots of all grades and 16 leadsmen. Five vacancies occurred during the year, and were filled by the promotion of qualified leadsmen apprentices. Two leadsmen apprentices were admitted locally and two were brought out from England during the year.

Leadsmen's quarters.

4. The leadsmen apprentices continued to reside in the houses rented by the Government for that purpose. As in the previous year, the quarters were managed by a Mess Committee, and the Port Officer, who frequently visited them, found that they were kept in good order. The leases of the two houses which have been used as quarters for some years past expired recently, and another house has now been rented which provides equally good accommodation at a somewhat lower cost.

Shipping.

5. The subjoined table exhibits the number of arrivals and departures of ships during the past three years—

	1888-89.			1889-90.			1890-91.		
	Number.	Gross tonnage.	Net tonnage.	Number.	Gross tonnage.	Net tonnage.	Number.	Gross tonnage.	Net tonnage.
Arrivals ..	1,037	2,246,857	1,615,935	1,038	2,250,948	[illegible]	1,044	2,456,656	1,716,920
Departures	1,034	2,240,444	1,608,656	1,018	2,202,819	1,570,776	1,052	2,490,518	1,737,668
Total .	2,071	4,486,301	3,224,591	2,056	4,453,767	3,174,920	2,096	4,947,100	3,454,588

6. These figures do not include 8 light-vessels, 14 pilot brigs, and 53 other Government vessels; 6 vessels put back, steam-tugs which are constantly moving up and down the river, and the steamers trading to the Orissa ports. Of these latter, there were 241 arrivals and 242 departures. They are also exclusive of native craft.

7. The following statement shows the number of vessels drawing 21 feet and over, which were piloted inwards and outwards during the year under review and the previous year:—

Year.	Steamers or sailing ships.	21 to 22 feet.		22 to 23 feet.		23 to 24 feet.		24 to 25 feet.		25 to 26 feet.		26 to 27 feet.		Total.	
		Inward.	Outward.	Inward.	Outward.	Inward.	Outward.	Inward.	Outward.	Inward.	Outward.	Inward.	Outward.	Inward.	Outward.
1890-91 ...	Steamers	36	83	33	100	41	119	18	72	..	12	...	1	128	387
	Sailing ships...	49	67	45	49	7	12	3	1			...	...	104	129
	Total .	85	150	78	149	48	131	21	73	...	12	...	1	232	516
1889-90 ...	Steamers	27	68	59	106	43	92	11	63	3	11	...	1	143	341
	Sailing ships...	61	85	48	79	11	15	2	...	...	2	...	...	122	181
	Total ...	88	153	107	185	54	107	13	63	3	13	...	1	265	522

The average tonnage both of steamers and sailing vessels visiting the port of Calcutta has increased from 2,166 tons in 1889-90 to 2,360 tons in 1890-91; but it would appear from the figures given in the above table that the total number of vessels drawing over 21 feet was less than in the preceding year, though the number drawing from 23 to 25 feet slightly increased.

8. To meet the increase in average burthen, the tonnage scale according to which vessels are distributed amongst the several grades of pilots has recently been readjusted.

Casualties.

9. There were 47 cases of grounding and 12 cases of collision during 1890-91, against 39 and 5 in the year preceding. None of these casualties resulted in the loss of a vessel, but in five cases considerable damage was done. Of the 47 cases of grounding, 30 were accidental, and 6 due to alteration of channel. In the remaining 11 the pilot was in fault. Eight of the collisions were accidental; for the remaining 4 the pilots were responsible. The percentage of casualties during the year amounted to 2·81 against 2·14 in 1889-90 and 2·99 in 1888-89. These percentages include every case of grounding, however slight. The Lieutenant-Governor regrets that the standard of the previous year has not been maintained, and that four collisions were caused by imprudence or unskilfulness on the part of the pilots. His Honour trusts that it will be the endeavour of all members of the Service to regain the standard of 1889-90, which is the best on record for the past 15 years.

State of the channels.

10. There has been no change in the Eastern Channel, and the Gaspar has remained steady; but the Lower Saugor Road has caused considerable anxiety. There is said to be now a bar of only 17 feet right across the channel midway between the Long Sand Light and the Long Sand Spit Buoy. The Eden and the remaining channels below Diamond Harbour have remained fairly steady, but the Nynan and Anchoring Creek tracks were in a bad condition, especially during the cold-weather months. Fifteen inward-bound and four outward-bound vessels were neaped for want of sufficient water over the bars. As observed in the Resolution on last year's report, these figures do not take account of vessels being kept in the port for want of water over the bars during certain stages of the tides. Were these cases included, the number of outward-bound vessels delayed would be higher.

Government vessels.

11. The steamer *Guide* was docked during the year to have her bottom cleaned and painted. This vessel made 32 trips during the year, including 20 to the Sandheads, 6 to the Orissa ports, and 1 to Chittagong. The *Coleroon* was docked twice, the *Fame* once, and the *Sarsuti* three times. The *Fame* was run into, while at anchor on her station, by the ship *Maulesden*, and sustained considerable damage, which was made good at the cost of the *Maulesden*.

Examinations.

12. The number of certificates of each class granted to masters, mates, and engineers after examination at Calcutta is shown in the subjoined table:—

Nature of Certificates.	Candidates.	Total number examined.	Result.			Provisional certificates granted.	Renewal of certificates.
			Passed.	Failed.	Withdrew.		
Colonial ...	Master	14	14	...	...	...	...
	First Mate	38	33	4	1	...	2
	Only „	1	1	...	...	...	...
	Second „	15	12	3	...	...	...
	First class Engineer	4	2	2	...	...	...
	Second class Engineer	10	7	3	...	...	...
Local ...	Master	1	1	...	...	...	...
	Mate	...	...	...	...	..	...
	Engine-driver under Act VII of 1884...	2	2	...	..	...	...
	First class Master (inland) ...	5	4	1	...	...	..
	Second class Master „ ...	77	62	15	...	...	..
	Engineers „ ...	1	1	...	...	...	...
	Engine-drivers „ ...	36	18	18	...	...	...
	Total ...	204	157	46	1	...	2

In addition to the above, two candidates obtained certificates as steam-tug pilots, and three as pilots of steamers plying between Calcutta and the Orissa ports.

Registration.

13. Three vessels were registered under the Merchant Shipping Act, 1854, and the registry of one vessel was transferred.

Surveys.

14. The following statement shows the number and description of vessels which were surveyed during the year under the several Acts relating to Merchant Shipping:—

Description of Vessels.	Number of vessels.	Number of visits made.	Number of certificates granted.
Inland steam-vessels under Act VI of 1884 ...	126	436	125
Steam-ships under Act VII of 1884	50*	248	47
Native passenger vessels under Act X of 1887 ...	19	19	......
Emigrant vessels under Act XXI of 1883 ...	32	195	......
Surveys for measurement of tonnage and registration	5	6	......
Total ...	232	904	......

* 41 of these vessels were surveyed at the same time under Act X of 1887.

The certificates of two vessels which sustained damage were cancelled.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col.*, R.E.,

Secretary to the Government of Bengal.

SALARY AND STATUS OF ASSISTANT SURGEONS.

The following letter, conveying the orders of the Government of India on certain questions affecting the emoluments and official status of Assistant Surgeons in Bengal, is published for general information.

MUNICIPAL DEPARTMENT, MEDICAL, H. H. RISLEY,

The 29*th Sept.* 1891. *Offg. Secretary to the Govt. of Bengal.*

No. 591, dated Simla, the 21st September 1891.

From—J. P. HEWETT, ESQ., C.I.E., Deputy Secy. to the Govt. of India, Home Dept.,

To—The Secretary to the Government of Bengal, Municipal (Medical) Department.

I AM directed to acknowledge the receipt of your letter No. 1372, dated the 5th July last, forwarding a series of memorials from certain Assistant Surgeons in Bengal in which they pray for an improvement in their emoluments and official status.

The complaints of the Assistant Surgeons relate chiefly to the following matters:—

(*a*) the insufficiency of their present grade pay;
(*b*) the fact that they are not more frequently appointed to posts in the Uncovenanted Medical Service and to the medical charge of civil stations;
(*c*) the effect of the working of Rule 12 of the Dispensary Manual; and
(*d*) the pay given to supernumeraries.

2. In reply, I am to say that the Government of India concur entirely with the conclusions arrived at by the Bengal Government on the first three points. In their opinion no valid reasons have been advanced for raising the present grade pay of Assistant Surgeons. As His Honour has pointed out, the reservation of Civil Surgeoncies to Commissioned Medical Officers interferes with the more general employment of Assistant Surgeons as Civil Surgeons, and, in view of the necessity for providing for a war reserve, the Government of

India are unable to reduce the number of stations reserved for Commissioned Medical Officers in Bengal. The Bengal Government are prepared to employ Assistant Surgeons in the charge of stations whenever the staff of Commissioned or suitable Uncovenanted Officers falls short, and this course goes as far as is possible in the direction of the prayer of the memorialists. The proposal of His Honour the Lieutenant-Governor to meet from Provincial funds the increased pay of an Assistant Surgeon who becomes entitled to promotion, when the local body in whose service he is employed is really unable to bear the additional charge, has removed what was in the opinion of the Government of India a substantial grievance.

3. The Government of India understand that there are two grievances in respect of the supernumerary pay: *first*, that supernumerary Assistant Surgeons, while unemployed, draw pay at a reduced rate, viz., Rs. 50 if in the third grade, and Rs. 100 if in the second grade; and, *secondly*, that under a recent ruling by the Accountant-General they are only entitled to the reduced rate even when employed in temporary or officiating charges. The Governor-General in Council concurs generally in the views expressed by the Bengal Government on these points, and is prepared to modify the rules so as to give effect to His Honour's suggestions. The rules as modified will be as follows:—

(1) All supernumerary Assistant Surgeons will draw Rs. 50 during the time for which they have no temporary or permanent charge and are merely attached to hospitals or on similar duty. This rate of pay to be called "unemployed pay."

(2) All supernumerary Assistant Surgeons will receive Rs. 100 while holding temporary or officiating charges. This rate of pay to be called "employed pay" and to cease when the temporary or officiating duty ceases. The supernumerary will then revert to unemployed pay. Should the post of which a supernumerary is in charge carry local allowances, he will be entitled to receive them in addition to the Rs. 100 a month, and the allowance to a supernumerary in charge of a civil station will, under Article 157 (ii) of the Civil Service Regulations, be Rs. 100 in addition to employed pay.

(3) All Assistant Surgeons holding permanent appointments will draw, in addition to their grade pay, any local and other allowances attached to those appointments.

(4) An Assistant Surgeon who is transferred, otherwise than for misconduct, from another Province in which he was holding a permanent appointment, will draw full grade pay until provided with a permanent post, and will be absorbed in the first vacancy that occurs after his transfer. If transferred for misconduct, he will receive the reduced pay of his grade. If transferred while a supernumerary, his pay will be regulated by Rule (1) or (2) according as he holds a temporary or permanent charge or not.

(5) An Assistant Surgeon on the permanent list who has misconducted himself will draw the reduced pay of his grade, Rs. 50, Rs. 100, or Rs. 150, whether employed or not.

(6) An Assistant Surgeon with a permanent appointment who loses that appointment, otherwise than as a penalty for misconduct, *e.g.*, by its being abolished, will receive his full grade pay till he can be provided with a permanent post, and will be absorbed in the first permanent vacancy which occurs after he loses his appointment.

With reference to Rule (5) I am to observe that an Assistant Surgeon who has been reduced should usually be employed instead of being allowed to remain in a hospital as a supernumerary. If his misconduct has been of such a nature as to render his employment undesirable, except as a supernumerary, he should be dismissed.

4. The rules enumerated above assume that it will never be necessary, as has sometimes happened in Bengal, to keep an Assistant Surgeon as a supernumerary for as long as seven years, and, as the Government of India consider that it is an essential condition of a properly recruited service that an Assistant Surgeon who is duly qualified should be provided with a permanent appointment before he has completed seven years' service, I am to request that, with the permission of His Honour the Lieutenant-Governor, a scale of annual recruitment for Assistant Surgeons, which will secure this result, may be fixed and strictly adhered to. I am further, with reference to the orders contained in your Medical letter No. 882, dated 25th April last, to the address of the Inspector-General of Civil Hospitals in Bengal, to say that, as it is very desirable that none but properly qualified men should be retained as Assistant Surgeons, the Governor-General in Council considers that the rules relating to septennial examinations should be rigidly enforced.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 3rd October, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		***Western Districts.***		
BURDWAN DIVN.	1	Burdwan Oct. 3, '91 Culna ... Cutwa ... Raneegunge ...	0·32 1·69 0·92 Nil	Weather—hot. Prospects of *aman* and sugarcane fair. Rain very much wanted. A few cases of cattle-pox. Supply of fodder and water sufficient. Prices of common rice :— Srs. Burdwan ... ... 16 Culna ... ... 14 Cutwa ... ... 15⅓ Raneegunge ... . 16 per rupee.
	2	Baukoora „ 3, '91	0·92	Weather—hot and occasionally cloudy. Harvesting of *aus* going on. Rain wanted for *aman* crop on high lands. Condition of cattle good, and supply of fodder and water sufficient. Rice selling at 18 seers per rupee at Sudder and 17½ seers at Bishenpur.
	3	Birbhum „ 3, '91 Rampore Haut ...	1·56 1·24	Frequent and heavy showers of rain general all over the district. Low land crops are everywhere excellent. High land crops are in fair condition, though still backward. Fodder and water plentiful. Prices of rice 16 to 17 seers per rupee.
	4	Midnapur „ 3, '91	0·23	Very little rain except in Tumluk. *Aus* paddy is being reaped. *Aman* paddy, sesame, and sugarcane doing well. Cattle-disease in Keshpur, Garbeta, Chandrakona, and Ramnagar thanas. Prices of common rice :— Srs. Sudder ... ... 16 Contai ... ... 20 Tamluk ... ... 16 Ghatal ... ... 16 per rupee.
	5	Hooghly „ 3, '91 Serampore ... Jehanabad ...	0·62 1·87 3·00	Weather—sultry. *Aus* still being harvested; outturn expected to be fair. Prospects of winter rice favourable. Supply of fodder and water for cattle sufficient. No cattle-disease reported. Prices of common rice :— Srs. Sudder ... ... 13 Serampore ... ... 13 Jehanabad ... ... 16 per rupee.
	6	Howrah „ 3, '91 Uluberia ...	1·12 2·65	Weather—showery in earlier part of week. Outturn of *aus* and jute fair. Prospect of *aman* satisfactory. Price of common rice 14 seers per rupee. Cattle are healthy. Fodder and water-supply sufficient.
		Central Districts.		
PRESIDENCY DIVN.	7	24-Perghs. Oct. 6, '91	0·52	Weather—bright and warm. Harvesting of *aus* nearly finished. Steeping of jute still continues. *Aman* promising but wants rain on high lands. Sugarcane doing well. Prospects good. Cattle-disease reported from thanas Baduria and Harowa. No deficiency of fodder or want of water reported. Prices stationary.
	8	Nuddea „ 3, '91 Kushtea ... Meherpur ... Chuadanga ... Ranaghat ...	0·09 0·64 0·18 2·10 0·86	Weather—seasonable. Prospects of *aman* not good owing to want of rain. Sowing of cold-weather crops commenced. Condition of cattle good, and supply of fodder and water sufficient.
	9	Khoolna „ 3, '91 Bagirhat ... Satkhira ...	0·67 1·34 1·04	Weather—fine with occasional showers. Cutting of jute and *aus* nearly complete; estimated outturn of jute about 16 annas and of *aus* about 12 annas. Prospects of *aman* fair. Fodder and water sufficient.
	10	Jessore „ 3, '91 Jhenidah ... Magura ... Narail ... Bongong ...	0·57 1·94 1·55 0·81 1·27	Weather—hot. More rain wanted for *aman*. Prospects of all other standing crops good. No cattle-disease except in Magura. Supply of fodder and water sufficient. Price of rice steady. Jute-steeping still going on in Narail. Rivers going down in Magura and Narail.
	11	Murshedabad „ 5, '91	0·29	Weather—seasonable. Recent rain has done good to *aman* crop. Sowing of *kalai* and *til* going on. Jute and sugarcane doing well. Prospects good. Sufficient supply of fodder.
RAJSHAHYE DIVN.	12	Dinagepur „ 3, '91 Thakurgaon ...	0·48 0·22	Weather—cloudy; slight rain at times. Outturn of sugarcane expected to be 10 annas. More rain urgently wanted for winter rice. Cultivation of *rabi* commenced in some places. *Haimanti* rice selling at 13 seers and *bhadoi* rice 14 seers per rupee at Sudder. Condition of cattle good. Supply of fodder and drinking water sufficient.
	13	Rajshahye „ 3, '91 Nattore .. Nowgong ...	Nil 1·16 0·13	Weather—cloudy and comparatively cool; but no rain falls. Heavy rain wanted everywhere; but all parts of the district are not suffering in an equal degree; Nattore subdivision is best, Sudder subdivision worst. People in places are allowing cattle to graze in their fields, all hopes of sowing the crops having been abandoned. Water insufficient for steeping jute. Fodder and drinking water ample. No cattle-disease.
	14	Rungpur „ 3, '91	5·85	Weather—raining and overcast. Heavy rain fell last night (2nd) at head-quarters and is continuing. If general, it will greatly improve prospects of crops which are otherwise unfavourable. Prices rising slightly. Jute-steeping delayed for want of rain. Fodder plentiful.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Central Districts—concld.			
RAJSHAHYE DIVN.—*concld.*	15	Bogra	Oct. 3, '91	0·58	Weather—generally fine and hot till the afternoon of Saturday (3rd), when heavy rain has begun to fall. Only about three-quarters of the usual area has been transplanted with *aman*, and a little more can now be transplanted. None of the crops already transplanted are believed to have withered, but their growth has been slow. The rain now falling will do very great good, but more will be needed during the next few weeks. Sugarcane is doing very fairly. Ploughing is going on vigorously for cold-weather crops, of which the area will probably be considerably larger than usual. Common rice is still, as before, selling at 15 seers per rupee. There is plenty of fodder and water, and the cattle are in excellent condition.
		Sherpur	...	0·51	
		Nowkhilla	...	0·50	
	16	Pubna	„ 3, '91	0·85	Weather—hot. Jute is still being cut. Prospects of *aman* paddy unfavourable. Land is being prepared for *rabi* crops. Price of rice has risen in Serajgunge, stationary in Pubna. Fodder sufficient. No cattle-disease.
	17	Darjeeling	„ 3, '91	1·37	Weather—fair. Recent rain has been of much use in Terai. No disease among cattle. Fodder and water-supply sufficient.
	18	Julpigoree	„ 3, '91	2·21	Weather—hot; cloudy at intervals. Prospects of standing crops not fair. Rain wanted for winter rice. Cattle-disease reported from Patgram. Supply of fodder and water sufficient. Price of rice rising.
		Eastern Districts.			
DACCA DIVN.	19	Dacca	Oct. 3, '91	0·26	Weather—seasonable. Harvesting of *aus* completed. Cutting of jute continues. Prospect of *aman* fair. Condition of cattle good. Supply of fodder sufficient. Common rice sold at from 15 to 17 seers per rupee.
	20	Furreedpur	„ 3, '91	0·12	Weather—seasonable. Prospect of standing crops good, excepting that of high land paddy which has withered. Price of rice stationary.
	21	Backergunge	„ 3, '91	0·97	Weather—seasonable. Prospects of crops not bad. Outturn of *aus* crop not less than 12 annas. Price of common rice varies from 13 to 18 seers per rupee. Supply of fodder and water sufficient.
	22	Mymensingh	„ 3, '91	0·34	Weather—hot and cloudy. Rivers have fallen much. Prospects of standing crops unfavourable in some parts, but favourable in others. Supply of fodder and water abundant. Condition of cattle good. Common rice sells at 13½ seers per rupee.
CHITTAGONG DIVN.	23	Chittagong	„ 6, '91	1·63	Weather—seasonable. A little more rain would do good to *aman crop*. *Aus* still being harvested. Prices have risen slightly.
	24	Noakhally	„ 3, '91	0·32	Weather—hot, with rain only on one day both at Sudder and Feni. *Aman* is still being transplanted as a result of some rain last week More rain much wanted. Prospects unfavourable. Price of rice has risen. Condition of cattle and supply of fodder satisfactory.
	25	Tipperah	„ 3, '91	0·26	Weather—hot, cloudy. Rain wanted for crops on high land. Price of rice stationary. Jute market brisk, rates high.
	26	Chittagong Hill Tracts.	„ 1, '91	0·64	Weather—very hot with foggy mornings. Harvesting of *jum* paddy continues. Cotton plants in flower. Late rice in low lands progressing. Lands are being ploughed for mustard and other cold-weather crops. Common rice being sold at 12 seers 12½ chittacks per rupee.
BEHAR.					
PATNA DIVN.	27	Patna	„ 3, '91	0·25	Weather—clear but cloudy at times; now raining hard. *Bhadoi* being harvested Prospects of paddy improved by recent rain. Lands being prepared for *rabi* sowings. Prices generally stationary.
		Barh	...	0·95	
		Behar	...	0·88	
		Dinapore	...	0·25	
	28	Gya	„ 3, '91	1·90	Weather—hot and cloudy. Harvesting of *bhadoi* crops finished. Prospect of paddy not favourable; more rain wanted. Prices of food-grains almost stationary. Supply of fodder and water for cattle sufficient.
		Jehanabad	...	0·28	
		Nawada	...	0·18	
		Aurungabad	...	Nil	
	29	Shahabad	„ 3, '91	2·31	Weather—hot in the beginning of week; now getting cool, and sky cloudy. Transplantation of paddy over. *Bhadoi* crops harvested. In Bhabuah *bhadoi* harvest about to be finished. A good shower of rain yesterday (2nd) at Arrah, 1·29; news from subdivisions not yet reached. Yesterday's rain has done immense good to paddy as well as to *rabi*. More rain still wanted. Prospects of crops generally good. Fodder sufficient. Prices stationary.
		Buxar	...	0·13	
		Sasseram	...	0·16	
		Bhabuah	...	0·08	
	30	Durbhunga	„ 3, '91	1·42	Weather—cloudy with east winds. Reports of the rice crop from Samastipur and Sudder are fairly good; but in Madhubani it is withering on high lands, and rainfall is quite insufficient. Rice sells at 15 seers a rupee in most thanas. *Bhadoi* harvest nearly over. Cattle in good condition. Fodder and water plentiful.
		Somastipur	...	1·17	
		Madhubani	...	0·38	

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*				
PATNA DIVN—*concld.*		Mozufferpur Oct. 3, '91 Hajipur ... Sitamarhi ...	0·49 0·70 0·03 (A good fall of about one inch at 4 P. M. of 1st instant.)	Weather—cloudy and showery during greater part of week. Rain has fallen more or less generally throughout the district. Prospects of rice considerably improved, but more rain still wanted. Lands are being prepared for *rabi* in the southern portion of the Sudder subdivision. Prices stationary. Cattle in good condition. Fodder and water abundant.
	32	Sarun „ 3, '91	0·29	Weather—cloudy, cooler, and light rain. *Bhadoi* crops nearly harvested; outturn good, especially in Gopalgunge subdivision. Rice crop improving under light rain, but a heavy fall is much wanted.
	33	Chumparun „ 3, '91 Bettiah ...	4·12 3·00	Weather—cloudy and raining. Rainfall of the week has done immense good to *aghani* rice. *Bhadoi* crops still being harvested in a few places. Fodder and water for cattle sufficient.
BHAGULPORE DIVN.	34	Monghyr „ 3, '91 Jamui ..	2·5 0·12	Weather—very hot and rainless up to Friday (2nd); now cloudy. Westerly winds. Heavy rainfall of Friday night appears to have been local only as it did not reach Begusarai or Jamui except in insignificant amount. To the north of the district, where rain was specially needed, there has only been a drizzle. Condition of rice crop extremely critical, and even if heavy rain falls now the yield will be a very short one. Twelve annas of the crop reported to be already lost in the Sudder and Jamalpur thanas, and eight annas in Surajgudha, Luckhisarai, Gogri, Buckhtearpur, and Khagaria. Common rice selling at 12½ seers per rupee. Condition of cattle and supply of water and fodder good.
	35	Bhagulpore „ 3, '91	0·04	Weather—hot and sultry. Prospects are fair in the south, but more rain is wanted everywhere. In the north, unless there is rain soon, there is danger of scarcity.
	36	Purneah „ 3, '91 Kishengunge ... Arrareah ...	0·73 3·19 1·67	Weather—cooler; a heavy shower on Friday (2nd). Prospects in Arrareah still reported to be improving and prices there keep low. In head-quarters no decided change for the better. With a sufficient rainfall an average outturn of 11 annas for the whole district may be expected. Kishengunge has had a heavy fall of rain, and the position there is also greatly improved. Land is generally being prepared for *rabi*. Fodder abundant.
	37	Maldah „ 3, '91 Chanchal ... Shibgunge ... Gajole ...	0·79 0·15 0·45 1·80	Weather - hot. Slight showers on two days during the week. More rain wanted for winter rice. Unless it rains heavily, the plants will yield an indifferent crop. *Kalai* sowing and jute-steeping continue. Lands are being prepared for mulberry. Cattle-disease reported from thana Ratua and outpost Tulsihatta. Fodder and water sufficient. Common rice selling at an average of 14½ seers per rupee.
	38	Sonthal Perghs. „ 3, '91	0·75	Weather—very hot in the day. Occasional slight showers. Indian-corn gathered; outturn from 12 to 16 annas. Rice crop so far good, but more rain wanted, especially in Godda and Deoghur. Fodder and water-supply good except in above-mentioned subdivisions.
ORISSA.				
ORISSA DIVN.	39	Cuttack „ 3, '91	0·29	Weather—fair. *Beali* harvested. Transplantation of *sarad* nearly completed. *Sarad* crop on low lands having been submerged by flood-water, some damage is said to have been done everywhere in the district, but the extent of damage not yet fully ascertained. Cattle-disease prevalent in the Kendrapara and Sudder subdivisions. Rivers falling.
	40	Pooree „ 1, '91 Gopo ... Khoorda ... Banpur ..	2·8 1·96 2·10 0·92	Weather—seasonable. Weeding of winter rice (*sarad*) going on. Harvesting of early rice still continues with an average outturn of 10 annas. Miscellaneous crops doing well. Price of common rice stationary. Cattle-disease reported from Khoorda and Banpur thanas.
	41	Balasore „ 3, '91	1·40	Weather—seasonable. *Beali* harvest over. Prospects of winter rice, sugarcane, and miscellaneous crops good.
CHOTA NAGPORE				
South-West Frontier Agency.				
CHOTA NAGPORE DIVN.	42	Hazaribagh Oct. 3, '91 Giridih ..	0·34 0·49	Weather—cool; fine days with occasional showers. *Bhadoi* harvest almost over with 16 annas outturn. Rice prospects good. Cultivation for *rabi* going on.
	43	Lohardugga „ 3, '91 Palamow (up to 28th Sept.)	0·97 2·49	Weather—cloudy. Harvesting of *gora* rice continues. Prospect of winter rice favourable. Fodder and water plentiful.
	44	Singbhoom Oct. 3, '91	1·66	Weather—seasonable. Alternate showers and sunshine. Prospects of crops all that can be desired. *Gora dhan*, Indian-corn, and *kheri* are being harvested; 16 annas outturn expected. No cattle-disease. Fodder plentiful. Common rice sold at 16 seers per rupee both at Chyebassa and in the Kolhan.
	45	Manbhoom „ 3, '91 Govindpur ...	Nil 1·15	Weather—seasonable. State and prospects of crops satisfactory. Rice selling at from 14 to 18 seers per rupee. Fodder and water-supply sufficient.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 6th October, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF MARTS	STOCK IN HAND AS COMPILED ON—												
	1st week of Oct. 1890	1st week of Nov. 1890.	1st week of Dec. 1890.	1st week of Jan. 1891.	1st week of Feb. 1891.	1st week of March 1891.	1st week of April 1891.	1st week of May 1891.	1st week of June 1891	1st week of July 1891.	1st week of August 1891.	1st week of Sept. 1891.	1st week of Oct. 1891.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	4.10,000	3 58,500	3 14,000	2 80 500	4 08 000	7,21,000	10,86 500	13 19 000	9.74 000	7,19,000	4,72 000	4 58 5 0	4 26 700
Ooltadanga	65 810	70 400	64,200	54 000	57 200	65 200	55,900	63 100	59 600	61 100	65,800	72 100	66 210
Chitpore, Golabaree, Coomertooly, Hatkhola, and Coopy Ghat.	6 40.100	6,29 709	5,70,250	5,29.650	5 40 400	6,00,800	5.67.200	5,17,400	4,32,400	4.68.400	4 87 200	5,06 700	5,24,030
Pathuriaghatta, Posta and Jorabagan.	5,080	4,700	5,000	3,000	4,000	5,000	4,200	3 000	2 000	3,700	3,000	2,500	3,000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,09.200	1,15 700	93 650	1,04,600	1,23 200	1,34,400	1,18,300	1,25 200	1,14,800	1,06,900	98,900	91,450	85 750
21 Minor bazars (estimated) ...	2,40,000	2,40,000	2 40,000	2.40,000	2,40,000	2,40,000	2.40,000	2,40,000	2,40,000	2,40,000	2.40 000	2 40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2.50,000	2,50,000	2,50,000	2.50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddresur, and Chandernagore.	47,075	33,012	35,750	34,375	33 300	24,438	43,412	41,125	30 750	32,750	32,250	38,051	32,250
Total ..	17,67,175	17.02,012	15,75,850	14,96,125	16,57,900	20,40,838	23,63,582	25,58,825	21.53,550	18,81,850	16.29,150	16.38,301	16,29,960
On Railway premises on both sides of the river.	11,155 (on 3rd October 1890.)	16,544 (on 3rd Nov. 1890.)	23 576 (on 3rd Dec. 1890.)	24,703 (on 3rd Jan. 1891.)	33,950 (on 3rd Feb. 1891.)	38,618 (on 3rd March 1891.)	29,642 (on 3rd April 1891.)	8,221 (on 3rd May 1891.)	5,928 (on 3rd June 1891.)	17,767 (on 3rd July 1891.)	10,179 (on 3rd August 1891.)	17,473 (on 3rd Sept. 1891.)	41,511 (on 3rd Oct. 1891.)
On boats unloaded ... By Port Commissioners' returns.	32,365 (1st to 3rd October 1890.)	25,445 (1st to 3rd Nov. 1890.)	34,878 (1st to 3rd Dec. 1890.)	55,096 (1st to 3rd Jan. 1891.)	82,695 (1st to 3rd Feb. 1891.)	65,914 (1st to 3rd March 1891.)	44,8 2 (1st to 3rd April 1891.)	35,579 (1st to 4th May 1891.)	17,251 (1st to 3rd June 1891.)	29,097 (1st to 3rd July 1891.)	17,174 (1st to 3rd August 1891.)	57,776 (1st to 3rd Sept. 1891.)	41,755 (1st to 3rd Oct. 1891.)
On boats unloaded ... By Canal returns	23,494 (1st to 3rd October 1890.)	30,008 (1st to 3rd Nov. 1890.)	25,941 (1st to 3rd Dec. 1890.)	77,228 (1st to 3rd Jan. 1891.)	1,71,337 (1st to 3rd Feb. 1891.)	1,08,494 (1st to 3rd March 1891.)	1,51,412 (1st to 3rd April 1891.)	13 079 (1st to 4th May 1891.)	25,741 (1st to 3rd June 1891.)	41,597 (1st to 3rd July 1891.)	24,697 (1st to 3rd August 1891.)	79,813 (1st to 3rd Sept. 1891.)	80,950 (1st to 3rd Oct. 1891.)
Grand total of Stocks ...	18,34,189	17,74,009	16,60,245	16,56,152	19,48,592	22.51,864	25,88,478	26,15,723	22,02,470	19,69,311	16 81,200	18,13,363	17,94,116
Probable stock available for exportation by sea.	7¾ lakhs	7½ lakhs	6 lakhs	6 lakhs	9 lakhs	12 lakhs	15¾ lakhs	15½ lakhs	11½ lakhs	9½ lakhs	6½ lakhs	7½ lakhs	7½ lakhs

STATISTICAL DEPARTMENT,
The 5th October, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 27th September to 3rd October 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour pressure.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction	Wind. Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Sept.	27th	144·8	8·2	29·797	82 0	86 8	12·3	74·5	77 9	0 902	76·1	83	SSW and S by E	140	0·14	Partially cloudy, d, p, △.
,,	28th	145·4	9·6	·810	82·6	86·5	9·0	77 5	78·1	·902	76·1	81	SSE and SSW ...	141	Nil	Partially cloudy
,,	29th	150 7	9·4	·810	8[illegible]·6	87 6	9·4	78·2	78 4	·916	76·6	82	SSW and SW by S	132	,,	Partially cloudy, △.
,,	30th	145·4	10·8	·806	83·1	88 2	9 8	78 4	78 9	·933	77 1	82	SW by S and SW ...	100	,,	Partially cloudy, △.
Oct.	1st	144·5	5·0	·856	81·7	87·3	9 9	77·4	78 3	·924	76·8	85	SW and SSW ...	64	,,	Partially cloudy, △.
,,	2nd	147·7	3·8	·886	81·7	87·7	9·6	78 1	78·4	·929	77·0	86	SSW and SW ..	108	,,	Chiefly cloudy.
,,	3rd	147 5	9·3	·856	82·1	87 6	9·9	77·7	77 6	·887	75·6	81	SSW and SW .	155	,,	Partially cloudy, lr, △.

	Inches.
The mean pressure of the seven days	29·832
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·749
	Hours.
The total number of hours of bright sunshine	56·1
The maximum possible number of hours of sunshine	83·4
	°
The mean temperature of the seven days	82·3
The average temperature of the corresponding period for 24 years, S.-G.'s Office	83·4
The extreme variation of temperature	13·7
The maximum temperature	88·2
	Miles.
The highest velocity of the wind in one hour	13
	lb.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	83
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	83
	Inches.
The total fall of rain from 27th September to 3rd October 1891 ...	0 14
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	1·54
The total fall from 1st January to 3rd October 1891 ...	46·32
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	59·46

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formulæ.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

d, drizzling rain ; p, passing temporary showers ; △, dew ; lr, lightning reflection.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 5th October 1891.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·869	29·818	—	SW	353	91·7	29th Sept.	78·0	28th Sept.	88·4	80·5	84·5	—	83·3
		Gopalpore	29·872	29·834	+·086	SSW	435	88·2	2nd Oct.	75·8	27th „	86·4	77·0	81·7	−2·3	82·5
		False Point	29·882	29·815	+·064	SSW	281	89·0	3rd „	76·0	30th „	88·1	77·8	83·0	−0·1	83·4
	Cuttack	Cuttack	29·812	29·834	+·061	SW	73	92·4	2nd „	74·8	27th „	89·6	76·7	83·2	−1·2	82·8
	Balasore	Balasore	29·828	29·830	+·049	SSW	153	89·4	1 to 3rd „	74·8	27th „	88·[illegible]	77·0	82·5	+0·5	81·5
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·807	29·836	+·052	SSW	350	89·2	3rd „	78·0	27 & 28 „	88·1	79·9	84·1	+0·6	83·0
	Midnapore	Midnapore	29·730	29·826	+·033	E	172	91·3	1st „	76·1	27 & 28 „	89·3	77·0	83·1	+0·6	81·4
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·870	29·837	+·052	SWly	113	88·1	1st „	74·7	27th „	86·6	77·4	82·0	−0·5	81·6
	Burdwan	Burdwan	29·790	29·836	+·045	SWly	103	91·6	1st „	76·4	27 & 28 „	89·7	78·0	83·8	−0·1	81·4
	Bankoora	Bankoora	29·538	29·786	+·014	S	75	91·1	1st „	75·6	27 & 29 „	88·[illegible]	76·7	83·6	−0·4	79·6
	Beerbhoom, West Burdwan	Raneegunge	29·543*	29·839*	+·045*	SSW*	32	91·5	1 & 2nd „	74·9	27th „	90·[illegible]	76·7†	83·5†	+0·9†	80·5†
	Moorshedabad	Berhampore	29·808	29·824	+·029	S	141	91·1	2nd „	76·3	27th „	89·5	78·2	83·9	+0·4	80·0
	Nuddea	Krishnaghur	29·833	29·829	+·050	SSW	123	91·3	1 & 2nd „	75·2	27th „	89·6	77·3	83·5	+0·6	81·9
	Jessore, Khoolna	Jessore	29·863	29·843	+·050	Calm & Sly	6[illegible]	90·7	30th Sept. & 1st Oct.	74·9	27th „	89·6	77·2	83·4	−0·3	81·7
East Bengal.	Chittagong	Chittagong	29·849	29·884	+·064	SE	70	89·7	2nd „	74·6	3rd Oct.	87·4	75·1	81·3	−0·3	80·8
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·895	29·852	+·066	SW	87	91·8	2nd Oct.	74·9	27th Sept.	90·2	77·0	83·6	+1·7	83·5
	Noakhally	Noakholly	29·883	29·873	+·050	Variable	97	89·0	2nd „	75·3	3rd Oct.	87·1	75·9	81·6	+0·1	81·4
	Furreedpore	Furreedpore	29·876	29·863	+·066	S	75	89·5	30th Sept. & 2nd Oct.	76·9	27th Sept.	88·2	77·8	83·0	+0·9	81·7
	Dacca	Dacca	29·881	29·851	+·054	SW	141	92·1	2nd „	77·7	27 & 28 „	90·5	78·2	84·3	+0·9	82·0
	Commillah	Commillah	29·895	29·878	+·077	S	50	91·3	2nd „	74·8	27th „	89·3	76·5	83·0	+0·3	80·6
	Mymensingh	Mymensingh	29·841	29·850	+·048	SSW	88	90·2	2nd „	76·6	27 to 29 „	88·3	77·1	82·7	+0·7	80·4
North Bengal.	Bogra	Bogra	29·807	29·821	+·048	SEly	64	91·8	2nd „	76·2	30th Sept. & 2nd Oct.	90·2	76·6	83·4	+1·3	82·1
	Pubna	Serajgunge	29·845	29·841	+·045	SWly	67	91·1	2nd „	74·7	28th Sept.	89·5	76·0	82·7	+0·5	81·4
	Rajshahye	Rampore Beauleah	29·802	29·822	+·042	S	1[illegible]7	90·8	2nd „	75·[illegible]	27th „	88·6	77·6	83·1	+1·1	81·0
	Maldah	Maldah	29·775	29·807	—	Sly	77	93·6	2nd „	76·9	27th Sept. & 3rd Oct.	91·5	74·4	84·5	—	82·7
	Dinagepore	Dinagepore	29·747	29·818	+·008	Sly	42	92·6	2nd „	75·2	3rd Oct.	89·8	76·9	83·4	+0·6	80·8
	Rungpore	Rungpore	29·765	29·842	+·034	SSW	63	91·3	2nd „	71·7	3rd „	89·2	75·8	82·5	+0·6	78·9
	Julpigoree, Cooch Behar	Julpigoree	29·579	29·817	+·015	NE	61	90·4	2nd „	72·6	2nd „	86·8	74·5	80·6	+0·3	79·1
	Darjeeling Hill Tracts	Darjeeling	23·034	—	—·002	Calm	201	64·6	1st „	51·6	3rd „	63·1	53·7	58·4	+0·2	56·6
North Behar.	Purneah, North Bhagulpore	Purneah	29·73[illegible]	29·815	+·020	Calm	33	92·7	2nd „	73·2	3rd „	90·8	74·6	82·7	−0·3	81·8
	Mozufferpore	Mozufferpore	29·642	29·774	—	ESE	121	91·3	1st „	73·2	2 & 3 „	89·0	76·3	82·7	—	79·6
	Durbhunga	Durbhunga	29·682	29·803	+·003	ESE	71	92·0	1 & 2nd „	74·5	3rd „	89·1	76·4	82·8	−0·3	80·9
	Chumparun	Motihari	29·603	29·780	+·004	ENE	170	91·2	30th Sept. & 1st Oct.	74·9	30th Sept.	88·5	74·6	81·6	−0·1	79·4
	Sarun	Chupra	29·640	29·775	+·015	E	114	92·3	2nd „	76·6	27th „	90·3	77·2*	84·0*	+1·3*	81·1
South Behar.	Shahabad	Dehree	29·46[illegible]	29·767	—·014	SE	37	91·3	1 to 3 „	76·0	29 & 30 & 3rd Oct.	89·6	76·9	83·3	+0·4	81·8
		Buxar	29·564	29·759	—·021	SEly	171	91·4	29th Sept.	73·3	3rd „	89·0	75·6	82·3	−0·8	80·7
		Arrah	29·621	29·764	—·001	SEly	60	92·9	1st Oct.	74·6	30th & 3rd Oct.	90·5	76·2	83·3	+0·5	80·6
	Gya	Gya	29·440	29·768	—·009	S	150	91·4	2nd „	75·3	30th & 3rd Oct.	91·5	76·4	84·0	−0·3	81·4
	Patna	Bankipore	29·640	29·776	—·010	Ely	126	92·9	2nd „	75·7	2 & 3 „	90·9	77·1	84·0	−0·4	82·0
	South Bhagulpore, Monghyr	Bhagulpore	29·679	29·792	+·014	Calm & SE	10	93·7	2nd „	75·5	30th Sept.	91·6	76·6	84·1	+1·7	82·0
	Sonthal Pergunnahs	Doomka	29·564	29·811	+·033	SWly	118	91·1	3rd „	74·3	27th „	88·0	76·0	82·4	+0·7	82·1
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·831	29·791	+·002	SWly	262	85·7	3rd „	68·3	29th „	83·6	69·8	76·7	−1·3	74·5
	Lohardugga, Manbhoom	Ranchee	27·714	29·789	+·019	SSW	142	85·0	2nd „	67·4	29 & 30 „	82·7	69·1	75·9	−0·5	74·3
	Singbhoom	Chyebassa	29·079	29·790	+·027	WSW	43	90·4	1st „	72·7	29 & 30 „	89·4	73·8	81·6	+0·4	78·1
Assam.	Sibsagar	Sibsagar	29·[illegible]42	29·833	−·012	SE		89·6	30th Sept.	70·9	2nd Oct.	86·0	73·8	79·9	−1·5	76·1
	Goalpara	Dhubri	29·767	29·836	+·017	SW	120	88·7	2nd Oct.	71·8	3rd „	87·0	76·2	81·6	+0·9	78·7
	Cachar	Silchar	29·865	29·865	+·042	Calm		91·5	2nd „	73·8	1 & 2 „	87·5	74·5	81·0	−1·5	77·2

* Mean of 6 days. —† Mean of 4 days. —‡ Mean of 5 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 3rd of October 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
80	3·1	0·73	0·39	1·80	Nil	0·71	—0·71	41·88	45·35	—3·47	0·75	2·50	Pooree ...	Pooree ...	Orissa.
84	0·7	0·28											Gopalpore ...		
80	5·9	—											False Point ...		
80	5·9	0·71	0·60	1·54	0·01	0·60	—0·59	53·03	45·30	+7·73	1.80	1·86	Cuttack ...	Cuttack ...	
87	3·1	2·05		1·34		0·71			47·32			1·80	Balasore ...	Balasore ...	
84	6·0	0·05	0·16	1·36	Nil	0·52	—0·52	55·39	53·99	+1·40	0·67	1·85	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
87	3·7	0·25	0 58	0 83	Nil	0·28	—0·28	47·20	46·55	+0·65	1·00	1·32	Midnapore ...	Midnapore ...	
87	4·7	0·63	0·71	1·00	Nil	0·32	—0·32	40·32	46 72	—6·40	1·00	1·72	Calcutta ...	24-Pergunnahs ... Howrah ... Hooghly ...	
83	6·9	0·32	0·22	0·93	Nil	0·35	—0·35	42·42	42·09	+0·33	0·67	1·17	Burdwan ...	Burdwan ...	
90	2·6	0·92	0·93	1·05	0·25	0·83	—0·08	45·95	48·36	—2·41	1·75	1·78	Bankoora ...	Bankoora ...	
86*	1·0*	0·10	0·65	1·00	0·11	0·45	—0·34	41·54	48 43	—6·89	1 50	1·65	Raneegunge ...	Beerbhoom ... West Burdwan ...	
94	8·6	0·20	0·65	1·11	0·43	0 42	+0·01	37·35	45·85	—8·50	1·07	1·75	Berhampore ...	Moorshedabad ...	
86	7·0	0·09	0·36	1·15	0·10	0·45	—0·35	36·72	44·49	—7·77	0·80	1·38	Krishnagur ...	Nuddea ...	
91	7·6	0·57	0·81	1·02	0·06	0 37	—0 31	39·38	47·84	—8·46	1·37	1·56	Jessore ...	Jessore ... Khoolna ...	
89	8·4	0·17	0·23	2·17	0·21	1·28	—1·07	82·23	103 83	—21·60	1·00	2·13	Chittagong ...	Chittagong ...	East Bengal.
			0 59	2·88	0·18	1·10	—0·92	62·83	75 46	—12·63	2·00	3·00	Domagiri ...	Chittagong Hill Tracts	
83	2·0	1·55	0·68	1·40	Nil	0 65	—0·65	55·00	69·32	—14·32	1·00	2 11	Barrisal ...	Backergunge ...	
88	1·3	0·35	0·31	2·16	0·31	0·95	—0·64	63·20	97 87	—34·67	1·00	2·47	Noakhally ...	Noakhally ...	
89	3·7	0·12	0·10	1·18	Nil	0·38	—0·38	35·92	49·91	—13·99	0·67	1·61	Furreedpore ...	Furreedpore ...	
88	7·7	0·16	0·41	1·14	0·02	0·42	—0·40	46·42	54·92	—8·50	1·00	1·57	Dacca ...	Dacca ...	
90	4·7	0·71		1·53		0·70			62·50			2 05	Commillah ...	Commillah ...	
92	6·7	0·34	0·25	1·44	0·11	0·51	—0·40	60·44	63·22	—3·18	0·60	1·58	Mymensingh ...	Mymensingh ...	
88	3·1	0·58	0·77	1·31	0·15	0·62	—0·47	36·09	52·52	—16·43	2·00	1·52	Bogra ...	Bogra ...	North Bengal.
90	6·0	1 11	0·95	1·02	0·29	0 36	—0·07	33·48	48·08	—14·60	2·00	1·25	Serajgunge ...	Pubna ...	
94	5·6	0·00	0·42	1·11	0·04	0 52	—0·48	39·84	49·64	—9·80	0·67	1·49	Rampore Beauleah	Rajshahye ...	
88	2·7	0·79	0·77	1·03	0·55	0·45	+0·10	31·33	50·19	—18·86	1·50	1·12	Maldah ...	Maldah ...	
89	5·7	0·37	0 72	1·49	0·47	0·52	—0·05	40·65	53·61	—12·96	1·40	1 47	Dinagepore ...	Dinagepore ...	
92	3·4	5·74	2·94	1·90	2·51	0·58	+1·93	52·02	68 36	—16·34	2·25	1 30	Rungpore ...	Rungpore ...	
95	2·1	2·26	4·48	2·48	1·22	1 29	—0·07	69·58	105 05	—35·47	4·60	1 70	Julpigoree ...	Julpigoree ... Cooch Behar ...	
95	9·0	1·37	3·38	2·46	0·78	1 16	—0·38	79 66	117 22	—37·56	3·50	2 18	Darjeeling ...	Darjeeling Hill Tracts	
83	3·9	0·73		1·07		0 42			54·69			1 21	Purneah ...	Purneah ... North Bhagulpore ...	North Behar.
87	4·3	0 75	1 54	1·18	1·03	0·67	+0·36	35·28	40·12	—4·84	3·00	1 00	Mozufferpore ...	Mozufferpore ...	
85	5·0	1·42	1·18	0·94	0·93	0·46	+0·47	37·47	41·50	—4·03	2·00	0·95	Durbhunga ...	Durbhunga ...	
85	6·9	4·12		1·65		0 72			44·07			0·87	Motihari	Chumparun ...	
84	4·7	0·44	1·34	2·03	0 96	0 51	0·45	30·49	39·17	8·68	2·33	1·04	Chupra ...	Sarun ...	
76	8·4	0·61											Dehree ...	Shahabad ...	South Behar.
80	6·0	1·07	0·82	1·41	0·77	0·85	—0·08	25·50	37·29	—11·79	1·80	0 80	Buxar ...		
89	2·0	1·50											Arrah ...		
83	4·9	1·90	1·19	1·06	0·87	0·52	+0·35	29·90	38 37	—8·47	2·25	0·90	Gya ...	Gya ...	
77	5·6	0·25		1·01		0·57			37·90			0·94	Bankipore ...	Patna ...	
81	5·0	0·04	0·66	1·03	0·66	0·47	+0·19	36·56	39·63	—3·07	1·00	1·10	Bhagulpore ...	South Bhagulpore ... Monghyr ...	
78	0·3	0·75	0·92	1·09	0·55	0·47	+0·08	40·13	46·97	—6·84	2·00	1·49	Doomka ...	Sonthal Pergunnahs ..	
83	5·1	0·53		1·11		0·53			46·99			1·58	Hazaribagh ...	Hazaribagh ...	Chutia Nagpur.
88	6·6	0·97	0·27	0·70 1·06	0·03	0·36 0·45	—0·42	41·07	45·30 43·42	—2·35	0·50	1·27 1·40	Ranchi ...	Lohardugga ... Manbhoom ...	
88	3·7	1·34	1·06	0·73	0·90	0·24	+0·66	46·29	47·53	—1·24	4·00	1·20	Chyebassa ...	Singbhoom ...	
95	9·1	3·14											Sibsagar	Assam ...	Assam.
89	8·1	4·22											Dhubri		
94	9·7	3·47											Silchar		

n years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
noting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
n years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 3rd October 1891.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 27th Sept.	Monday, 28th Sept.	Tuesday, 29th Sept.	Wednesday, 30th Sept.	Thursday, 1st Oct.	Friday, 2nd Oct.	Saturday, 3rd Oct.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA	Pooree	Pooree	0·70	0·10	......	......	......	......	......	2	0·80	1·56	Nil	0·62	36·45	40·05
		Khurdah	0·77	......	......	......	......	......	......	1	0·77	1·70	Nil	0·71	46·88	48·25
		Banpur										2·42		0·98		51·89
		False Point	......	......	......	......	......	......	......	Nil	Nil	1·50	Nil	0·54	55·06	51·17
		Gop	0·44									?		?		?
		Satpara	1·00									?		?		?
		Pipli	1·95									?		?		?
	Cuttack	Jagatsingpore	0·20	0·48	0·18	......	......	......	......	3	0·86	1·70	Nil	0·48	46·89	39·65
		Banki	0·04	0·20	......	......	......	......	......	1	0·24	1·57	Nil	0·60	40·61	44·01
		Cuttack	0·26	......	......	......	0·03	......	......	1	0·29	1·34	0·03	0·46	60·31	49·85
		Kendrapara	0·84	......	......	......	......	......	......	1	0·84	1·36	Nil	0·60	55·60	45·63
		Jajpore	0·16	0·40	0·22	......	......	......	......	3	0·78	1·73	Nil	0·86	53·79	47·37
		Dharmsala	0·20	......	......	......	......	......	......	1	0·20	?	Nil	?	54·64	?
		Salipore	......	......	0·19	......	......	......	......	1	0·19	?	Nil	?	55·15	?
	Balasore	*Akhoyapada*	0·65	......	......	......	......	......	......	1	0·65	?	Nil	?	52·46	?
		Chandbali	1·38	......	......	......	......	......	......	1	1·36	1·19	Nil	0·59	51·99	45·15
		Bhuddruck	......	0·44	......	......	......	......	......	1	0·44	1·71	Nil	0·67	52·61	45·91
		Sorah	0·70	......	......	......	......	......	......	1	0·70	1·95	Nil	0·98	50·00	45·51
		Balasore	0·42	0·98	......	......	......	......	......	2	1·40	2·10	Nil	0·89	52·41	50·73
		Jellasore	......	......	......	......	......	......	......			1·14		0·60		46·74
		Baripodah	......	......	......	......	......	0·69	......	1	0·69	1·76	0·69	0·50	58·88	49·76
SOUTH-WEST BENGAL.	Midnapore	Contai	0·22	......	......	......	......	......	......	1	0·22	1·30	Nil	0·50	46·49	52·31
		Saugor Island	0·05	......	......	......	......	......	......	Nil	0·05	1·52	Nil	0·56	66·19	56·85
		Tumlook	0·70	......	......	......	......	......	......	1	0·70	0·66	Nil	0·20	53·87	45·91
		Midnapore	0·23	......	......	......	......	......	......	1	0·23	0·87	Nil	0·27	49·99	43·19
		Ghattal	0·32	0·01	......	......	......	......	......	1	0·33	0·96	Nil	0·36	52·24	50·54
		Kukrahaty	1·05	......	......	......	......	......	......	1	1·05	?	Nil	?	40·93	?
		Garbetta										?		?		?
	24-Pergunnahs	Diamond Harbour	0·18	0·02	......	......	......	......	......	1	0·20	1·26	Nil	0·50	53·16	52·80
		Canning Town	0·51	......	0·04	......	......	......	0·40	2	0·95	?	0·40	?	39·24	?
		Alipore Jail	0·52	......	......	......	......	......	......	1	0·52	1·12	Nil	0·46	39·87	50·29
		Barrackpore	0·69	......	......	......	......	......	......	1	0·69	0·96	Nil	0·34	43·26	45·06
		Dum-Dum	1·23	......	......	......	......	......	......	1	1·23	0·80	Nil	0·27	39·80	46·61
		Barasat	1·20	......	......	......	......	......	......	1	1·20	1·00	Nil	0·25	40·85	44·20
		Buseerhat	0·21	......	......	......	......	......	......	1	0·21	0·85	Nil	0·34	40·42	48·77
	Howrah	Howrah	1·12	......	......	......	......	......	......	1	1·12	1·13	Nil	0·44	35·88	45·90
		Mohesreka	0·30	......	......	......	......	......	......	1	0·30	1·20	Nil	0·42	?	47·63
		Ooloberiah	1·80	......	......	......	......	......	......	1	1·80	?	Nil	?	40·80	?
	Hooghly	Serampore	0·76	......	......	......	......	......	......	1	0·76	1·07	Nil	0·39	42·49	45·61
		Hooghly	0·62	......	......	......	......	......	......	1	0·62	0·84	Nil	0·19	30·84	43·44
		Jehanabad	0·42	0·07	......	......	......	......	......	1	0·49	0·89	Nil	0·10	43·38	49·69
	Burdwan	Culna	0·04	......	......	......	......	......	......	Nil	0·04	0·96	Nil	0·43	44·12	39·85
		Burdwan	0·32	......	......	......	......	......	......	1	0·32	0·74	Nil	0·16	45·01	43·07
		Cutwa	0·31	......	......	......	......	......	......	1	0·31	1·08	Nil	0·46	38·16	43·35
		Raneegunge	0·10	0·05	......	......	......	......	......	1	0·15	1·18	Nil	0·51	43·16	45·63
		Mankur	0·51	......						1	0·51	?	Nil	?	46·86	?
	Bankoora	Bankoora	0·33	0·55	......	......	......	......	0·04	2	0·92	1·03	0·04	0·33	43·21	47·00
		Bishenpore	0·19	0·21	......	......	......	......	......	2	0·40	0·68	Nil	0·17	5[illegible]·59	48·51
		Mahara	0·24	0·09	......	......	......	......	......	1	0·33	1·00	Nil	0·46	47·75	46·89
		Khatra	......	1·12	......	......	......	......	0·94	2	2·06	1·49	0·94	0·34	42·21	51·00
		Indas	......	......	0·46	......	......	......	......	1	0·46	?	Nil	?	43·72	?
		Kotalpore	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	45·83	?
		Anda	0·31	......	......	......	......	0·11	......	2	0·42	?	0·11	?	39·88	?
		Gangajalghati	1·34	0·17	......	......	......	......	......	2	1·51	?	Nil	?	46·27	?
		Raipore	......	0·29	......	......	......	......	......	1	0·29	?	Nil	?	60·05	?
		Sonamukhi	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	47·94	[illegible]
	Beerbhoom	Bh. Soory	0·95	0·16	......	......	......	......	0·45	3	1·56	0·96	0·45	0·53	46·85	50·05
		Hetampore	0·05	......	......	......	......	......	0·05	Nil	0·10	0·99	0·05	0·42	40·46	51·2[illegible]
		Rampore Haut	0·54	0·31	......	......	......	......	......	2	0·85	0·85	Nil	0·34	35·78	47·00
		Bolpore	1·42	0·23	......	......	......	......	......	2	1·65	?	Nil	?	46·83	?
		Murarai	0·22	......	......	......	......	......	......	1	0·22	?	Nil	?	35·30	?
	Nuddea	Ranaghat	0·37	......	0·02	......	0·01	......	......	1	0·40	1·10	0·01	0·54	37·9[illegible]	42·5[illegible]
		Kishnaghur	0·09	......	......	......	......	......	......	Nil	0·09	1·21	Nil	0·60	37·23	41·3[illegible]
		Chooadanga	0·57	0·16	0·05	......	0·08	......	......	2	0·86	1·25	0·08	0·49	39·22	45·97
		Meherpore	......	......	......	......	......	......	......	Nil	Nil	1·08	Nil	0·29	36·17	43·6[illegible]
		Kooshtea	......	......	......	......	0·43	......	......	1	0·43	1·10	0·43	0·33	33·20	48·9[illegible]
	Khoolna	Satkhira	0·52	......	0·05	......	......	......	......	1	0·57	1·06	Nil	0·41	42·61	49·6[illegible]
		Bagirhat	0·07	0·08	......	0·43	......	......	0·50	3	1·68	1·02	0·50	0·32	47·84	54·9[illegible]
		Khoolna	0·35	......	0·32	......	......	......	......	2	0·67	0·92	Nil	0·33	3[illegible]·26	49·5[illegible]
		Nakipur	......	......	......	......	......	......	0·60	2	1·60	?	0·60	?	38·03	?
		Rampal	1·00	......	......	......	......	......				?		?		
	Jessore	Narail	0·05	0·03	......	......	......	......	......	Nil	0·08	0·69	Nil	0·38	34·05	41·0[illegible]
		Jessore	0·57	......	......	......	......	......	......	1	0·57	1·06	Nil	0·44	41·9[illegible]	49·0[illegible]
		Jhenidah	1·18	0·11	......	......	......	......	......	2	1·29	1·02	Nil	0·34	35·10	47·6[illegible]
		Magoorah	0·90	......	......	......	......	......	......	1	0·90	0·89	Nil	0·23	36·87	44·3[illegible]
		Bongong	0·75	......	......	......	......	......	......	1	0·75	1·46	Nil	0·53	41·32	46·5[illegible]
	Moorshedabad	Kandi	0·13	......	......	......	......	......	1·05	2	1·18	1·00	1·05	0·35	32·78	45·[illegible]
		Berhampore	0·20	......	......	......	......	......	......	1	0·20	1·78	Nil	0·64	36·46	46·[illegible]
		Lalbagh	0·30	......	......	......	......	......	0·23	2	0·53	1·28	0·23	0·53	40·83	45·[illegible]
		Azimgunge	0·15	......	......	......	......	......	0·30	2	0·45	0·90	0·30	0·35	32·87	45·[illegible]
		Jungipore	0·49	......	......	......	......	......	0·57	2	1·06	0·73	0·57	0·37	40·31	45·[illegible]
		Lalgola	......	......	......	......	......	......	0·40	1	0·40	1·00	0·40	0·28	41·76	46·[illegible]
		Akriganj	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	36·98	?
		Patkabari	......	......	......	......	......	......	0·45	1	0·45	?	0·45	?	3[illegible]·60	?
EAST BENGAL	Chittagong	Cox's Bazar	......	......	......	0·29	......	0·29	0·14	1	0·29	2·13	0·20	1·25	97·62	121·[illegible]
		Chittagong	0·02	......	......	......	......	......		1	0·60	2·21	0·14	1·31	66·32	80·[illegible]
		Kutubdia			0·07	......	......	......				?		?		?
		Satkanya	......	......								?		?		?
	Chittagong Hill Tracts.	Rangamati		......	......	0·41	......	......	0·18	2	0·59	2·88	0·18	1·10	62·83	75·[illegible]
		Bundarban	......	......	......	......	......	......	0·71	1	0·71	?	0·71	?	94·66	
	Backergunge	Patuakhally	0·20	......	......	......	......	......	......	1	0·20	1·31	Nil	0·42	61·76	79[illegible]
		Perozepore	0·80	......	......	......	......	......	......	1	0·80	1·38	Nil	0·63	58·12	62[illegible]
		Burrisal	0·97	......	......	......	......	......	......	1	0·97	1·10	Nil	0·51	50·09	60[illegible]
		Bhola	0·75	......	......	......	......	......	......	1	0·75	2·17	Nil	1·05	49·09	75[illegible]

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 3rd of October 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 27th Sept.	Monday, 28th Sept.	Tuesday, 29nd Sept.	Wednesday, 30th Sept.	Thursday, 1st Oct.	Friday, 2nd Oct.	Saturday, 3rd Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL —concld.		*Gournaddi* ...	......	0·70	0·75	0·37	......	......	......	3	1·72	?	Nil	?	47·21	?
		Bauphal ...	......	......	0·30	0·32	......	......	......	2	0·62	?	Nil	?	53·43	?
	Noakholly ...	Noakholly ..	......	......	......	......	......	......	0·32	1	0·32	2·20	0·32	1·02	66·84	90·05
		Fenny ..	......	......	......	......	......	......	0·30	1	0·30	2·11	0·30	0·87	59·56	96·61
		Harishpore ...	1·20									?		?		?
		Ramganj ...										?		?		?
	Furreedpore	Madaripore ...	0·15	......	......	......	......	......	......	1	0·15	0·80	Nil	0·43	38·96	50·26
		Furreedpore ...	0·10	0·02	0·02	......	......	......	......	1	0·14	1·39	Nil	0·37	40·33	52·02
		Goalundo ..	......	......	......	......	......	......	......	Nil	Nil	1·35	Nil	0·35	28·44	47·44
	Dacca ...	Munshigunge	......	0·18	0·03	......	......	......	......	1	0·21	1·45	Nil	0·59	44·76	63·60
		Dacca ...	......	0·26	......	......	......	......	......	1	0·26	1·05	Nil	0·35	52·53	53·54
		Naraingunge	0·03	0·33	0·59	......	......	......	0·07	3	1·02	1·95	0·07	0·61	57·50	57·73
		Manickgunge	......	0·06	......	0·09	......	......	......	Nil	0·15	0·70	Nil	0·14	38·94	44·70
		Joydebpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	40·92	-
	Hill Tipperah	Agartola ...										1·38		0·08		53·02
	Tipperah ...	Comilla ...	0·12	......	0·10	......	......	......	0·04	2	0·26	1·36	0·04	0·74	54·03	70·21
		Chandpore ...	0·91	......	0·49	......	......	......	......	2	1·40	2·36	Nil	0·89	50·57	63·24
		Brahmunberia	......	0·24	......	......	......	......	......	1	0·24	1·04	Nil	0·47	49·85	55·38
		Ramchandrapore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	47·21	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	25·04	?
		Daudkandi ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	46·30	?
		Kasba ...	0·40	......	......	......	......	......	0·07	1	0·47	?	0·07	?	?	?
		Laksham ...	......	......	......	......	......	0·60	1·10	2	1·70	?	1·70	?	58·31	?
	Mymensingh...	Kishoregunge	......	......	......	......	......	......	......	Nil	Nil	1·08	Nil	0·40	76·87	63·85
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	1·05	Nil	0·40	37·11	40·61
		Mymensingh	......	0·34	......	......	......	......	......	1	0·34	1·30	Nil	0·54	52·40	67·50
		Jamalpore ..										1·57	Nil	0·60	54·06	59·50
		Netrokona ...	0·09	0·28	......	......	......	......	0·56	2	0·93	1·53	0·56	0·45	79·48	75·62
		Subornakhali	......	0·30	0·18	......	......	......	......	2	0·48	?	Nil	?	36·17	?
		Durgapore ...	......	......	......	......	1·97	......	......	1	1·97	?	1·97	?	83·59	?
		Sherepore Town	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	62·84	?
		Dewanganj ...	0·17									?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	......	0·28	......	......	0·57	......	......	2	0·85	1·21	0·57	0·26	26·54	48·78
		Serajgunge ...	......	0·60	0·01	0·50	......	......	......	2	1·11	0·83	Nil	0·40	49·42	47·29
	Bogra ...	Sherepore ..	......	0·36	......	......	......	......	......	1	0·36	0·85	Nil	0·47	29·70	52·97
		Nowkhilla ...	0·04	0·22	0·05	......	0·19	......	......	2	0·50	1·78	0·19	1·04	38·44	40·59
		Bogra ..	0·43	0·15	......	......	......	......	......	2	0·58	0·97	Nil	0·29	35·49	55·84
		Panchbibi ..	1·01	......	......	0·21	......	......	0·41	3	1·63	1·62	0·41	0·66	40·73	51·62
	Rajshahye ...	Beauleah ..	......	......	......	......	......	......	......	Nil	Nil	1·18	Nil	0·44	38·52	47·94
		Nattore ..	1·16	......	......	......	......	......	......	1	1·16	1·28	Nil	0·64	40·62	49·85
		Naogaon ..	......	......	......	......	......	0·11	......	1	0·11	0·93	0·11	0·59	71·66	51·13
		Lalpore ...	......	......	......	......	......	......	1·29	1	1·29	?	1·29	?	36·75	?
		Manda ..										?	Nil	?	37·34	?
	Maldah ...	Maldah ..	0·44	......	......	......	......	......	0·35	2	0·79	1·16	0·35	0·72	34·64	47·32
		Chanchal ...	......	......	......	......	......	......	0·75	1	0·75	0·80	0·75	0·18	27·89	53·00
		Gajol ...	......	......	......	......	......	......	7·00	1	7·00	?	7·00	?	53·00	?
		Sibganj ...	0·09	......	......	......	......	......	......	Nil	0·09	?	Nil	?	40·40	?
	Dinagepore ...	Mohadebpore	0·27	......	......	......	......	......	0·10	2	0·37	1·02	0·10	0·75	27·48	53·66
		Churaman ..	......	......	......	......	......	......	1·26	1	1·26	0·87	1·26	0·34	44·38	50·13
		Raigunge ..	......	......	......	......	......	......	......	Nil	Nil	1·70	Nil	0·37	50·05	54·88
		Dinagepore	0·21	......	......	......	......	......	0·27	2	0·48	1·93	0·27	0·57	38·85	59·03
		Balurghat	0·77	......	......	......	......	......	0·72	2	1·49	1·04	0·72	0·56	37·04	50·39
		Thakoorgaon	0·22	......	......	......	......	1·16	0·17	3	1·55	?	1·33	?	60·38	?
	Rungpore ...	Bhawanigunge (*Gyabanda*)	0·08	0·03	......	0·10	......	......	0·62	2	0·83	1·73	0·62	0·54	48·78	55·96
		Rungpore ...	0·03	0·57	......	......	......	......	5·25	2	5·85	1·60	5·25	0·24	59·52	64·83
		Kurigram ..	0·22	0·54	......	......	......	......	3·99	3	4·75	1·59	3·99	0·58	49·74	68·58
		Bagdogra (*Nilphamari*)	......	0·13	......	......	......	0·08	0·11	2	0·32	1·96	0·19	0·06	49·91	80·46
		Ulipore ...	1·54	0·02	......	......	......	......	4·62	3	6·78	?	4·62	?	53·94	?
	Julpigoree ...	Julpigoree ..	0·80	......	0·04	0·06	......	1·33	0·08	2	2·31	1·90	1·41	0·62	58·14	109·51
		Alipore Douar	1·50	1·00	2·05	......	......	0·93	......	4	5·48	?	0·93	?	74·57	?
		Fallacotta ...	......	2·05	......	0·09	......	1·15	......	2	3·29	?	1·15	?	64·09	
		Debiganj ...	0·05	0·28	......	0·27	......	2·35	......	3	2·95	?	2·35	?	62·33	?
		Bhagatpore (Nagrakatta)	0·99	0·51	0·08	0·88	......	3·70	0·04	4	6·30	?	3·74	?	86·90	?
	Cooch Behar..	Dinhatta ..	0·09	1·62	0·02	0·78	0·06	0·29	0·59	4	2·85	2·73	0·94	1·97	64·14	90·16
		Cooch Behar ..	2·80	1·03	1·17	0·20	0·46	0·19	......	6	5·85	2·65	0·05	1·39	75·11	113·23
		Mekligunge...	1·53	0·72	0·36	......	......	2·39	......	4	5·00	1·78	2·39	0·88	73·35	102·41
		Matabhanga...	2·78	1·48	1·14	0·31	0·20	0·15	0·15	7	6·41	3·35	0·70	1·58	77·22	107·93
	Darjeeling Hill.	Buxa ..	2·75	0·54	0·60	1·00	0·82	1·00	0·02	6	6·79	5·02	1·84	1·43	115·08	181·45
		Silliguri ..	1·13	1·00	1·59	......	......	0·25	......	4	3·97	1·84	0·25	1·14	64·35	105·31
		Darjeeling ...	0·58	0·06	0·01	......	0·04	0·07	0·63	2	1·37	1·33	0·74	0·79	83·49	101·50
		Kalimpong ..	1·05	0·03	......	......	......	0·06	0·23	2	1·37	1·65	0·29	1·29	55·68	80·50
		Kurseong ...	2·31	0·61	0·16	0·11	0·21	0·57	0·41	7	4·37	?	1·19	?	112·07	?
NORTH BEHAR	Purneah ...	Kissengunge...	2·39	0·05	......	0·25	......	0·04				1·16		0·59		66·90
		Arrareah ...	0·68	......	......	0·40	......	1·12	0·09	3	2·29	1·13	1·21	0·29	42·46	59·88
		Purneah ...	......	......	......	......	......	......	0·73	1	0·73	1·15	0·73	0·38	33·75	57·59
		Gondwara ...										?		?		?
		Balarampore	......	......	......	......	......	......	......			?		?		?
		Mattari ...	......	......	0·30	......	0·10	0·20	......	3	0·60	?	0·30	?	20·87	?
		Kaliaganj ...	1·10	......	......	......	......	0·50	......	2	1·60	?	0·50	?	53·67	?
	North Bhagulpore.	Maddapore ...	......	......	......	......	......	0·44	0·18	2	0·62	1·14	0·62	0·45	29·81	43·12
		Soopool ..	0·33	......	......	......	......	......	1·62	2	1·95	0·76	1·62	0·41	26·55	44·99
		Protabganj ...	......	......	......	......	......	......	0·33	1	0·33	?	0·33	?	39·14	?
	Durbhunga ...	Tajpore ...	0·32	......	......	......	......	......	0·17	2	0·49	0·83	0·17	0·42	43·27	39·91
		Durbhunga ...	0·40	......	......	......	......	0·03	0·99	2	1·42	1·19	1·02	0·74	37·67	43·77
		Madhubani ...	0·03	......	......	......	......	0·90	0·69	2	1·62	0·58	1·59	0·21	31·44	41·76
		Bahera ...	0·10	......	......	......	......	0·45	0·07	2	0·62	?	0·52	?	32·10	?
		Roshera ...	0·50	......	......	......	......	......	0·17	2	0·67	?	0·17	?	19·40	?
	Mozufferpore	Sitamarhi ..	0·58	......	......	0·03	......	2·62	0·42	3	3·05	0·82	2·44	0·36	48·34	39·35
		Mozufferpore	0·26	......	......	......	......	0·12	0·11	3	0·49	1·00	0·23	0·67	29·21	41·85
		Hajipore ...	0·67	......	......	......	......	0·22	0·20	3	1·09	1·71	0·42	0·99	23·31	38·62
		Paru ...	......	......	......	......	......	0·50	......	1	0·50	?	3·31	?	?	?
		Mahua ...	......	......	......	......	......	......	0·13	1	0·13	?	0·13	?	44·23	?
		Sinhar ...	......	......	......	......	......	1·46	0·70	2	2·16	?	2·16	?	27·85	?
		Pupri ...	0·18	0·10	......	......	......	......	0·21	3	0·49	?	0·21	?	37·37	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 3rd October 1891—*concld.*

Meteorological division.	District.	Station.	Rainfall. Sunday, 27th Sept.	Monday, 28th Sept.	Tuesday, 29th Sept.	Wednesday, 30th Sept.	Thursday, 1st Oct.	Friday, 2nd Oct.	Saturday, 3rd Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR—*concluded.*	Chumparun	Motihari	0·14	......	......	......	0·84	1·85	1·29	4	4·12	1·39	3·98	0·83	47·33	41·49
		Bettiah	0·21	......	......	......	0·57	2·43				1·01		0·60		46·55
		Bagaha	0·82	0·09	......	0·12	1·50	4·95	2·55	5	9·03	?	9·00	?	65·03	?
		Burhurwa	1·30	0·01	......	......	0·37	1·30	0·43	4	3·41	?	2·10	?	34·38	?
	Sarun	Gopalgunge	0·09	......	......	......	0·43	1·35	0·09	3	2·79	3·10	1·80	0·48	35·36	40·14
		Sewan														
		Chuprah	......	......	......	0·10	0·51	0·19	..	3	0·86	1·81	0·70	0·05	33·64	40·34
SOUTH BEHAR	Shahabad	Buxar	0·10	......	......	......	......	..	0·38	1	0·38	1·18	0·38	0·40	22·75	37·04
		Dehree	0·12	......	......	......	......	0·46	0·51	3	1·07	1·34	0·97	0·71	19·13	35·17
		Bhaboah	......	......	......	0·05	......	......	0·44	2	0·61	1·57	0·44	1·09	28·00	39·28
		Sasseram	......	......	......	......	......	0·06	0·40	1	0·46	1·40	0·46	0·78	29·66	37·85
		Arrah	......	......	......	......	......	......	0·77	1	0·77	1·60	0·77	1·15	23·48	37·37
		Mohaniah			......	......	0·23	0·98	......	2	1·21	0·96	1·21	0·54	27·28	36·78
	Gya	Aurungabad	0·20	......	......	......	......	......	0·36	2	0·56	1·39	0·36	0·79	24·28	39·91
		Gya	0·32	0·50	......	......	......	1·02	0·06	3	1·90	0·82	1·08	0·34	31·57	39·52
		Nowadah	......	......	......	0·03	......	0·33	......	1	0·36	0·86	0·33	0·40	37·30	38·03
		Jehanabad	0·20	......	......	......	......	0·72	1·00	3	1·92	1·17	1·72	0·57	26·44	37·09
		Arwal	0·40	......	......	......	......	......	2·10	2	2·50	?	2·10	?	25·53	?
		Daudnagar	0·34	......	......	......	......	......	0·32	2	0·66	?			14·95	?
		Sherrghatti	......	......	......	......	......	......	1·30	1	1·30	?	1·30		21·26	?
		Rajauli	0·46	......	......	......	......	0·12	0·63	3	1·21	?	0·75		42·39	?
		PakriBarawan	......	......	......	......	......	......	1·10	1	1·10	?	1·10	?	25·45	?
	Patna	Patna	......	......	......	......	......	0·10	0·15	2	0·25	0·96	0·25	0·52	29·24	38·36
		Dinapore	......	......	......	......	......					1·08		0·63		38·18
		Behar	0·38	......	......	......	......	......	1·03	2	1·41	0·91	1·03	0·48	37·61	38·38
		Barrh	0·30	......	......	......	......	......	0·20	2	0·50	1·08	0·20	0·63	40·23	36·50
		Bickram	0·48	......	......	......	......	0·68	1·51	3	2·67	?	2·19	?	28·51	?
		Hilsa										?		?		?
	Monghyr	Begoosarai	......	......	......	......	......	......	0·31	1	0·31	0·85	0·31	0·4	30·20	36·53
		Monghyr	......	......	......	......	......	......	2·50	1	2·50	1·13	2·50	0·42	39·43	42·81
		Jamui	......	......	......	......	......	0·21	0·12	2	0·33	0·99	0·33	0·59	34·71	40·09
		Gogri	......	......	......	......	......	......	2·87	1	2·87	?	2·87	?	49·72	?
		Sheikpura	......	......	......	......	......	......	0·30	1	0·30	?	0·30	?	34·99	?
	South Bhagulpore	Bhagulpore	......	......	......	......	......	......	0·04	Nil	0·04	1·06	0·04	0·68	39·14	39·02
		Banka	......	......	......	......	......	......	0·13	1	0·13	1·10	0·13	0·27	44·58	39·74
		Kolgong	......	......	......	......	......	......	0·24	1	0·24	?	0·24	?	30·88	?
		Bongaon	0·20									?		?		?
	Sonthal Pergunnahs.	Rajmehal	0·27	......	......	......	......	......	1·46	2	1·73	0·79	1·46	0·29	30·82	46·66
		Godda	......	......	......	......	......	......	0·17	1	0·17	0·93	0·17	0·22	38·44	41·89
		Pakour	0·25	0·37	......	......	......	......	1·18	3	1·80	0·96	1·18	0·32	38·96	51·00
		Nya Doomka	0·57	0·18	......	......	......	......	......	2	0·75	1·52	Nil	0·71	41·65	51·38
		Deoghur	0·18	......	......	......	......	......	......	1	0·18	0·95	Nil	0·32	33·28	45·37
		Jamtara	0·14	0·21	......	......	......	......	0·51	3	0·86	1·40	0·51	0·98	53·61	45·20
		Mohagama										?		?		?
		Nonihat										?		?		?
CHOTIA NAGPUR.	Hazaribagh	Pachamba (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	1·00	Nil	0·46	42·88	44·15
		Hazaribagh	0·26	......	......	......	......	0·10	0·17	3	0·53	1·09	0·27	0·59	43·05	44·39
		Semtaguran	0·10	......	......	......	0·33	......	......	2	0·43	1·20	0·33	0·51	31·09	43·10
		Mahudi Hills										0·98		0·27		45·81
		Jhoomra Hills										1·20		0·83		57·51
		Barhi	0·01	......	......	......	......	......	......	Nil	0·01	?	Nil	?	36·77	?
		Chatra	......	......	......	......	......	......	0·60	1	0·60	?	0·60	?	29·22	?
		Karagdeha	0·20	0·05	......	......	......	......	......	1	0·25	?	0·25	?	41·26	?
		Ramghar										?		?		?
	Lohardugga	Lohardugga	......	......	......	......	......	0·33	......	1	0·33	0·34	0·33	0·10	40·78	47·95
		Ranchi	0·63	......	......	0·15	......	......	0·13	3	0·91	0·65	0·13	0·28	41·94	48·15
		Palamow	......	......	......	0·12	......	......				1·10		0·60		39·77
		Silli	......	......								?		?		?
		Balumat	......	......	0·15	......	......	0·10	......	2	0·25	?	0·10	?	44·13	?
		Hosseinabad	......	......	......	......	......	0·42	0·51	2	0·93	?	0·93	?	38·00	?
		Garwah	......	......	......	......	......	0·20	......	1	0·20	?	0·20	?	?	?
	Singbhoom	Chyebassa	0·10	0·57	0·09	......	0·25	0·05	......	4	1·06	0·73	0·30	0·24	46·29	47·58
		Chakradharpore.										?		?		?
		Ghatsilla	0·39	1·65								?		?		?
		Baharagura										?		?		?
	Manbhoom	Purulia	......	......	......	......	......	......	......	Nil	Nil	0·89	Nil	0·45	47·72	45·21
		Gobindpore	0·38	0·09	......	......	......	......	0·06	1	0·53	1·23	0·06	0·45	34·35	41·54
		Raghunathpore.	0·61	0·35	......	......	......	......	......	2	0·96	?	Nil	?	48·43	?
		Barrabhoom	......	0·15	......	......	......	......	......	1	0·15	?	Nil	?	39·80	?
		Jhalda	......	0·65	......	......	......	......	......	1	0·65	?	Nil	?	40·96	?
		Chas	0·18	0·45	......	......	......	......	......	2	0·63	?	Nil	?	52·93	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 6th October* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 3RD OF OCTOBER 1891.

THOUGH there has been very little to note in the weather conditions during the week under review, the influence of the depression which passed from the northern half of the Bay into Central India in the previous week has been distinct, especially in the western half of the province. The depression remained almost stationary in the early part of the week and then took a north-easterly direction towards Allahabad, where it ultimately filled up. Rainfall was fairly general on the 27th September, the first day of the present week, and the wind circulation was evidently controlled by the low-pressure area; directions being south at all stations except in the west of Behar, where they were east or south-east. Pressure differed very little from the normal, there being a small excess in Lower Bengal and a defect of not more than a twentieth of an inch in the northern districts, while temperature was, in consequence of the continued and almost general rainfall, several degrees below the normal. After this for four days rainfall practically ceased except in parts of North Bengal, where local showers continued, pressure underwent slight oscillations, temperature, though changing somewhat irregularly, was gradually becoming normal, and the wind circulation was unchanged till Wednesday, the 30th September. On that day, apparently owing to the filling up of the depression, wind directions became south-west at all except the Behar stations, where the circulation, though still easterly, was light and more irregular. On the 1st October the general distribution of pressure was unchanged, except that readings were everywhere higher by about a twentieth of an inch; temperature was everywhere above the normal by about 2° and was rising, especially in Behar and Chutia Nagpur, where the rise was between one and two degrees at nearly all stations. Wind directions were south or south-west, and practically no rain fell; but on the 2nd, though pressure rose briskly in North Bengal and Behar and moderately elsewhere, north-easterly winds were blowing in Behar, and the westerly element in the directions at the southern stations was not so decided. Other signs of slightly unsettled conditions were apparent in commencement of rainfall in the extreme west of Behar, and on the following day local showers were fairly general in Behar and North Bengal, while there was a general slow fall of pressure and temperature over the whole province. These changes probably resulted from the filling up of the depression in North-Western Provinces, but the rising pressure and easterly winds in Behar and North Bengal show that nothing of the nature of a residual depression passed over the province.

Pressure changes have been very small throughout the week, the only rise of more than a twentieth of an inch occurring on the 2nd October in the northern half of the province. The general tendency has been upwards, and from being below the normal in Behar by about ·03" and above elsewhere by a similar small amount, readings at the end of the week were everywhere in excess by somewhat variable amounts ranging up to nearly a tenth of an inch at some of the southern stations. As excess in Behar and North Bengal was less than in Lower Bengal by about a twentieth of an inch, gradients were steeper than is usual at this season of the year. The means for the week are normal or slightly below in Behar and Chutia Nagpur, and above the normal in the other districts, especially in East Bengal and Orissa, where excess is more than a twentieth of an inch.

Temperature was considerably below the normal in Orissa, South-West Bengal, Chutia Nagpur, and part of South Behar at the beginning of the week, and above the normal in Behar and North Bengal by variable amounts ranging up to 2°. After rainfall ceased there was an almost general rise, the exceptions being in North Bengal, where local showers continued. Though changes were not quite regular, readings steadily increased till 2nd October, when there was excess of between one and two degrees at nearly all stations On the 3rd, however, a rapid fall occurred in Behar and North Bengal and slower downward changes in the other districts. The fall at Motihari, Durbhunga, Dinagepore, Rungpore, and Dhubri was 5°, but in the southern districts changes exceeded 1° at a few stations only. The means for the week are nearly 1° below the normal for Orissa, Chutia Nagpur, and Assam, above by rather more than ·5° for East and North Bengal, and very nearly normal for the other districts.

Rainfall was almost general on the 27th September, scattered on the following day, and practically absent in all districts for the next three days except in North Bengal, where local showers were fairly numerous throughout the week. On the 2nd October almost general rain fell in North Behar and North Bengal, and on the 3rd it continued in North Bengal and almost the whole of Behar, but during these days the falls in the southern districts were very scattered. Amounts varied exceedingly, Gajol in the Maldah district receiving 7 inches on the 3rd, Rungpore 5·25 inches, Ulipore 4·6 inches, and Kurigram 4 inches; while very few other stations received more than 1 inch on either the 2nd or the 3rd, the irregularity in the rainfall being due to the fact that it was caused by local thunderstorms.

The average fall is above the normal in North Behar and North Bengal: in the former by ·48" and in the latter by ·19", while in the other districts defect is large as compared with the normal average. Taking the actual average as a percentage of the normal average, the numbers for the various districts where rainfall has been deficient are as follows:—South Behar 71, Chutia Nagpur 60, South-West Bengal 56, Orissa 42, and East Bengal 21.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 3rd of October 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92·4	74 8	88 1	77 8	83·0	—0·8	0 70	1·65	—0·95	1·30	2 01	—0·71	Nil	0·07	47·80	46·12
South-West Bengal ...	91·6	74 7	89 0	77·6	83 3	+0·2	0·53	1·01	—0·48	1·17	1·60	—0·43	0·09	0·38	41·87	47·03
East Bengal	92·1	74·8	88·7	76·8	82·8	+0·0	0·33	1·56	– 1 23	1·00	1·91	—0·91	0·03	0·65	54·90	68·30
North Bengal	93·6	71·7	89·4	76·4	82 9	+0·7	1·78	1·59	+0·19	2·20	1·48	+0·72	0·78	0·68	46·16	64·91
North Behar	92·7	73·2	89 5	75·8	82 8	+0·2	1·80	1 32	+0·48	2·56	1·05	+1·51	1·31	0·52	35·45	45·24
South Behar	93·7	73·3	90·3	76·4	83·3	+0 3	0·80	1·12	—0 32	1·67	1·11	+0·56	0·61	0 68	34·14	40·47
Chutia Nagpur	85·7*	67·4*	83 2*	69·5*	76·3*	—0·9*	0·56	0·95	—0·39	1·72	1·43	+0·29	0·18	0·44	41·21	45·91
Assam	91·5	70·9	86·8	74·5	80·8	—0·7										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 6th October 1891.

C. LITTLE,
for Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 27th September to 3rd October 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour pressure at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
September...	27th ..	29 859	81·9	89 0	14 2	74·8	84·8	80 7	·992	79 0	83	0·74
,, ..	28th ...	·869	82 9	89 0	12 2	76 8	86·1	80 5	·967	78·2	78	Nil
,, ...	29th .	·859	83 5	89 2	11·4	77 8	84 6	79·5	·941	77·4	79	,,
,, ...	30th .	·852	84·6	91 0	12 8	78·2	87 4	81 5	·994	79 1	76	,,
October ...	1st ...	·911	84 2	90 0	11·6	78 4	86 6	81 5	1 008	79 5	80	,,
,, ...	2nd ..	·951	83 9	90·0	12 2	77·8	85·6	81·5	1 021	79·9	83	,,
,, ...	3rd ...	·931	84 0	90 2	12 4	77·8	80·4	79·5	·914	76 5	72	,,

				Inches.
The mean 10 A.M. pressure of the seven days	...	...	...	29·890
				°
The mean temperature of the seven days	...	...	...	83·6
The extreme variation of temperature	...	...	...	16·2
The maximum temperature	...	...	...	91·0
				%
The mean 10 A.M. relative humidity of the seven days	...	...	...	79
				Inches.
The total fall of rain from 27th September to 3rd October 1891			...	0·74

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTH,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 5th October 1891.

MEMORANDUM.

Report on the Monthly Statistics of Deaths registered in forty-five districts of Bengal for the month of July 1891.

THE total number of deaths registered in forty-five districts of Bengal during the month of July 1891 amounted to 121,977, against 115,581 in July 1890, and an average of 119,209 in the corresponding month of the previous five years, 1886—90. These figures represent an annual death-rate of 22·20, 21·00, and 21·72 per 1,000, respectively, of the aggregate population of those districts, which is 65,859,534. The death-rate of July 1891 is ·48 higher than the mean rate of the corresponding month of the past five years, 1886—90, and is also higher than the rate of the corresponding period of any of the past five years except 1887 and 1889, *vide* the figures below:—

	July 1886.	July 1887.	July 1888.	July 1889.	July 1890.	Monthly average of five years, 1886-90.	July 1891.
Number of deaths	92,756	13[illegible],434	113,220	138,050	115,580	119,209	121,977
Ratio per mille per annum	16·80	24·84	20·52	25·08	21·00	21·72	22·20

It will also be seen from the following table that the mortality of the forty-five districts during July 1891 is less than that of the previous months of the year:—

Months.	*Number of deaths.*	*Ratio per mille.*
January 1891	143,492	26·04
February „	137,553	24·96
March „	168,185	30·60
April „	161,980	29·52
May „	125,975	22·92
June „	140,594	25·56
July „	121,977	22·20

The following table shows the number and ratio of deaths during the month according to Sex and Class. As usual, more males died than females. The ratio of deaths among the sexes, calculated on the proportion the mortality bears to the total male and female population of the province, is as 118 is to 100; but, individually considered, in only three districts, viz., Khulna, Darjeeling, and Noakhali, the death-rates among females is greater than that among males. In proportion to the population of the several classes of the community, death is greatest among the Budhists, next among the Hindus, then among the other classes and Christains. The Mahomedans suffered the least:—

	Sex.			Class.				
	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Number of deaths	65,722	56,255	...	142	88,283	30,367	165	3,020
Ratio per mille per annum ..	24·12	20·28	118	17·52	24·72	17·04	24·94	21·72

The following table shows the proportions of deaths registered during the month of July 1891, which are above 25 per mille and are arranged in order of sequence, and are compared with the ratios of the corresponding month of 1890:—

Districts.	Ratio per *mille* during— July 1891.	July 1890.	*Districts.*	Ratio per *mille* during— July 1891.	July 1890.
Darjiling	65·52	48·36	Sarun	29·76	20·52
Shahabad	60·84	21·60	Durbhanga	28·92	16·56
Gya	48·12	25·92	Lohardugga	28·68	17·16
Patna	42·36	33·72	Mozufferpore	27·00	21·00
Monghyr	34·68	21·36	Bhagulpore	26·16	19·56
Julpaiguri	30·48	32·88	Hazaribagh	25·44	19·32

It will be seen from the statement appended to this memorandum that the highest death-rate occurred in Darjiling, 65·52 per mille per annum, and the lowest in Dacca and Faridpore, 11·28 each per 1,000 of population. In twelve districts the death-rates were above 25 per mille, in six between 20 and 25, and in the remaining 27 below 20. In the districts which show a lower death-rate than 20 per mille per annum, the registration of deaths cannot be considered to have been correct.

The total mortality during the month under review from the several registered death-causes is compared in the following table with the mortality from those causes in the corresponding month of 1890, and the average of the five years 1886—90:—

	Ratio per *mille* during—		
	July 1891.	July 1890.	Monthly average of five years, 1886–90.
Cholera	3·60	1·68	2·64
Small-pox	·24	·12	·09
Fever	14·16	14·76	14·40
Dysentery and diarrhœa	·48	·60	·72
Injury	·60	·72	·72
Other causes	2·76	2·84	3·00

Compared with the figures of both the past periods, there is a considerable increase in the mortality in the month under review, under the head cholera.

Cholera caused 20,049 deaths, which is equivalent to an annual rate of 3 60 per 1,000 of population per annum, against 18,303 (ratio 3·24 per mille) in the preceding month. Shahabad suffered the most with the highest cholera death-rate of 33·74 per mille per annum, next Gya 20·52, then Patna 10·68, Durbhanga 8·76, Sarun and Monghyr 8 16 each, Lohardugga 5·16, and Darjiling and Mozufferpore 4·92 each, Bhagulpore 4·20, Hazaribagh 3·36, Maldah 2·52, and Julpaiguri 2·04. In only one district, Tipperah, the disease was conspicuous by its absence.

The deaths from *Small-pox* numbered 1,335 (ratio ·24 per mille), against 1,826 (ratio ·24) in the preceding month. Midnapore returned the highest death-rate, 1·56 per mille, followed by Lohardugga 1·20 per mille. There were no deaths recorded in eleven of the districts, viz., Birbhum, Serampore, Dinajpur, Rajshahye, Rungpore, Pubna, Julpaiguri, Backerganj, Noakhali, Tipperah, and Manbhum.

Fever proved fatal in 77,775 instances and *dysentery and diarrhœa* in 3,272 (ratio 14·16 and ·48 per mille) respectively, against 94,634 and 3,332 (ratio 17·16 and ·60), respectively, during June last. All the districts returned deaths under both these heads; but the highest fever death-rate occurred in Darjiling, viz., 31·20 per mille per annum, next in Julpaiguri 27·00, then in Shahabad 23 28, in Gya 21·96, in Monghyr 21·72, and in Patna 21·48. Darjiling also returned the highest death-rate from dysentery and diarrhœa, viz., 23·04 per mille, Balasore stands next to Darjiling with a death-rate of 2·76 per mille, followed by Howrah and Pooree 2·40 each.

Injury caused 3,945 deaths (ratio ·60 per mille), against 4,083 (ratio ·72) in the previous month, and the mortality from *all other causes* not specified amounted to 15,601 (ratio 2·76 per mille), against 18,413 (ratio 3·24) in the previous month. Poori returned the highest death-rate from the unspecified diseases coming under the head "All other causes," viz., 11·64 per mille per annum.

With regard to mortality according to *Age*, infants under one year of age, as usual, perished in the largest numbers, viz., at the rate of 154·20 per 1,000 of population per annum, next came old persons (60 years and upwards) with a death-rate of 47·52 per mille. The lowest death-rate occurred among persons between 10 and 15 years of age, viz., 11·40 per 1,000 per annum.

Detailed information regarding the mortuary statistics of the forty-five districts of Bengal during the month under review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 3rd October 1891.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of July 1891.

1 Divisions.	2 Districts.	3 Population: Males.	Females.	Total.	4 Mortality according to Disease — Deaths from — Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*
BURDWAN	Burdwan	668,295	723,528	1,391,823	12	17	1,222	56	45	343	*1,695*
	Bankura	507,136	534,616	1,041,752	7	10	693	25	33	255	*1,026*
	Birbhum	381,563	412,865	794,428	2	...	851	7	31	476	*1,367*
	Midnapore	1,243,195	1,272,370	2,515,565	17	351	2,393	119	119	466	*3,465*
	Hughli	315,665	347,385	663,050	5	3	583	33	29	141	*809*
	Serampore	174,366	177,589	351,955	18	...	322	60	20	65	*485*
	Total (Hughli including Serampore).	490,031	524,974	1,015,005	23	3	905	99	49	206	*1,285*
PRESIDENCY	Howrah	316,479	318,902	635,381	41	10	440	131	38	263	*926*
	24-Pergunnahs	860,841	812,521	1,673,362	46	6	1,518	92	91	204	*1,957*
	Nuddea	805,779	849,942	1,655,721	2	5	1,421	12	125	228	*1,793*
	Jessore	959,271	980,104	1,939,375	4	2	2,121	4	153	127	*2,411*
	Murshidabad	586,483	640,307	1,226,790	13	1	1,169	7	88	223	*1,501*
	Khulna	568,402	511,546	1,079,948	49	1	1,159	3	52	144	*1,408*
RAJSHAHYE	Dinajpur	782,292	732,054	1,514,346	153	...	2,357	7	103	139	*2,759*
	Rajshahye	660,040	678,205	1,338,245	4	...	1,791	3	128	123	*2,049*
	Rungpore	1,067,701	1,030,263	2,097,964	21	...	2,915	10	76	211	*3,233*
	Bogra	372,963	361,888	734,751	53	3	774	2	50	138	*1,020*
	Pubna	648,311	663,417	1,311,728	4	...	1,321	10	57	68	*1,460*
	Darjiling	89,351	66,294	155,645	63	2	405	299	5	72	*851*
	Julpaiguri	305,972	276,418	582,390	104	...	1,311	2	28	36	*1,481*
DACCA	Dacca	1,033,863	1,082,487	2,116,350	24	15	1,444	75	105	332	*1,996*
	Faridpore	805,989	825,745	1,631,734	15	11	1,213	21	87	170	*1,546*
	Backergunj	973,479	927,410	1,900,889	12	...	1,841	22	112	658	*2,646*
	Mymensing	1,555,840	1,501,103	3,056,943	216	20	2,968	64	78	448	*3,912*
CHITTAGONG	Chittagong	531,649	600,692	1,132,341	62	13	1,659	39	81	162	*2,016*
	Noakhali	415,248	405,524	820,772	5	...	1,292	2	78	101	*1,476*
	Tipperah	768,450	743,911	1,512,361	...	...	1,300	12	82	207	*1,601*
PATNA	Patna	856,501	895,058	1,751,559	1,569	66	3,142	224	115	1,074	*6,190*
	Gya	1,043,441	1,081,241	2,124,682	3,651	187	3,847	68	124	660	*8,537*
	Shahabad	950,256	1,014,589	1,964,809	5,528	58	3,825	52	57	436	*9,966*
	Mozufferpore	1,265,731	1,316,329	2,582,060	1,063	56	3,720	117	312	527	*5,815*
	Durbhanga	1,295,788	1,337,659	2,633,447	1,926	36	3,715	153	232	291	*6,353*
	Sarun	1,095,847	1,199,832	2,295,679	1,571	34	2,147	235	178	1,410	*5,575*
	Champarun	870,627	850,981	1,721,608	186	30	2,064	37	151	446	*2,914*
BHAGULPORE	Monghyr	969,124	1,000,650	1,969,774	1,344	5	3,574	57	167	565	*5,712*
	Bhagulpore	979,119	987,039	1,966,158	686	3	2,929	59	160	454	*4,291*
	Purneah	937,080	911,607	1,848,687	153	4	2,155	4	61	41	*2,418*
	Maldah	346,998	363,450	710,448	156	3	1,144	6	44	68	*1,420*
	Sonthal Pergunnahs	785,330	782,763	1,568,093	132	1	1,683	8	65	217	*2,106*
ORISSA	Cuttack	877,702	917,363	1,795,065	64	150	1,288	256	107	717	*2,596*
	Pooree	444,409	441,878	886,287	15	49	264	184	37	867	*1,415*
	Balasore	461,461	453,819	915,280	9	11	591	224	61	394	*1,290*
CHOTA NAGPORE	Hazaribagh	544,903	559,839	1,104,742	306	10	1,597	74	68	264	*2,349*
	Lohardugga	786,657	812,587	1,599,244	687	170	1,861	212	21	850	*3,847*
	Singbhoom	226,681	227,094	453,775	3	17	410	29	22	86	*567*
	Manbhum	525,328	532,900	1,058,228	3	...	1,183	51	46	423	*1,706*
	TOTAL FOR THE PROVINCE.	32,663,700	33,195,834	65,859,534	20,049	1,335	77,775	3,272	3,945	15,601	*121,977*

1 Divisions.	2 Districts.	5 Ratio per 1,000 of population per annum: Cholera.	Small-pox.	Fevers.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	6 Comparison with previous periods: Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	7 Sex — Deaths among — Males.	Females.	8 Ratio per 1,000 of population per annum — Males.	Females.	9 Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
BURDWAN	Burdwan	·09	·12	10·44	·48	·36	2·88	*14·59*	20·04	17·40	928	767	16·54	12·72	131
	Bankura	·07	·10	7·92	·24	·36	2·88	*11·76*	17·28	19·32	531	495	12·48	11·04	113
	Birbhum	·02	...	12·84	·09	·36	7·08	*20·64*	25·68	22·08	693	674	21·91	19·32	113
	Midnapore	·07	1·56	11·40	·48	·48	2·16	*16·44*	22·68	24·01	1,837	1,628	17·64	15·24	116
	Hughli	·08	·04	10·44	·60	·48	2·52	*14·40*	18·00	18·24	437	363	16·58	12·48	132
	Serampore	·61	...	10·92	2·04	·60	2·16	*16·44*	18·96	20·64	273	212	18·72	14·28	131
	Total (Hughli including Serampore).	·24	·03	10·68	1·08	·48	2·40	*15·19*	13·36	19·08	710	575	17·28	13·09	131
PRESIDENCY	Howrah	·72	·12	8·28	2·40	·60	4·80	*17·40*	18·18	19·56	483	443	18·36	16·54	110
	24-Pergunnahs	·24	·03	10·89	·60	·60	1·44	*13·92*	16·08	16·92	1,071	886	14·88	13·08	113
	Nuddea	·01	·03	10·29	·08	·84	1·56	*12·96*	16·80	14·76	966	827	14·28	11·64	122
	Jessore	·02	·01	13·08	·02	·84	·78	*14·88*	19·08	21·48	1,335	1,076	16·68	13·08	127
	Murshidabad	·12	·009	11·40	·06	·84	2·16	*14·64*	20·28	15·60	788	713	16·08	13·32	120
	Khulna	·48	·01	12·84	·02	·48	1·56	*15·60*	18·96	26·40	738	670	15·48	15·60	99
RAJSHAHYE	Dinajpur	1·20	...	18·60	·04	·72	1·08	*21·84*	24·36	21·60	1,503	1,256	23·04	20·52	112
	Rajshahye	·02	...	15·96	·02	1·08	1·08	*18·36*	21·96	23·64	1,034	1,015	18·84	17·76	106
	Rungpore	·12	...	16·56	·04	·36	1·20	*18·48*	24·84	23·84	1,837	1,396	20·64	16·20	127
	Bogra	·84	·04	12·60	·02	·72	2·16	*16·56*	21·84	23·04	561	459	18·05	15·12	119
	Pubna	·03	...	12·09	·09	·48	·60	*13·32*	18·36	29·76	845	615	15·64	11·12	129
	Darjiling	4·92	·12	31·20	23·04	·60	5·52	*65·52*	79·44	48·36	473	378	63·48	68·41	92
	Julpaiguri	2·04	...	27·00	·03	·48	·72	*30·48*	47·88	52·88	795	686	31·05	29·76	104
DACCA	Dacca	·12	·08	8·16	·36	·60	1·80	*11·28*	15·84	14·76	1,072	924	12·36	10·20	121
	Faridpore	·09	·07	9·12	·12	·60	1·20	*11·28*	14·28	15·36	868	678	12·84	9·84	130
	Backergunj	·07	...	11·64	·12	·60	4·08	*16·68*	22·68	24·24	1,448	1,198	17·76	15·48	114
	Mymensing	·84	·07	12·00	·24	·24	1·80	*15·36*	21·72	17·76	2,108	1,804	16·68	13·92	119
CHITTAGONG	Chittagong	·60	·13	17·52	·36	·84	1·68	*21·48*	23·08	22·20	1,060	956	23·88	19·08	126
	Noakhali	·07	...	18·84	·02	1·08	1·44	*21·48*	29·28	33·00	742	734	21·37	21·72	98
	Tipperah	...	...	10·20	·08	·60	1·56	*12·60*	14·92	21·00	875	726	13·56	11·64	118
PATNA	Patna	10·68	·33	21·48	1·44	·72	7·32	*42·36*	32·28	33·72	3,212	2,978	45·00	39·84	112
	Gya	20·62	·96	21·96	·36	·60	3·36	*48·12*	35·04	25·92	4,588	3,949	52·68	43·80	120
	Shahabad	33·74	·12	23·28	·24	·48	2·64	*60·84*	41·28	21·60	5,417	4,554	68·28	53·88	126
	Mozufferpore	4·92	·12	17·28	·72	1·44	2·40	*27·00*	23·44	21·00	3,166	2,649	30·00	24·12	124
	Durbhanga	8·76	·12	16·92	·70	1·06	1·32	*28·92*	30·84	16·56	3,458	2,895	31·92	25·92	123
	Sarun	8·16	·12	11·16	1·44	·84	7·56	*29·76*	29·76	20·52	3,163	2,412	34·92	24·12	131
	Champarun	1·20	·12	14·28	·24	·96	3·00	*20·28*	20·52	33·00	1,585	1,329	21·84	18·72	116
BHAGULPORE	Monghyr	8·16	·02	21·72	·24	·96	3·36	*34·68*	35·64	21·34	2,997	2,715	37·08	32·52	114
	Bhagulpore	4·20	·01	17·76	·36	·84	2·76	*26·16*	37·32	19·58	2,273	2,018	27·84	24·48	113
	Purneah	·96	·02	14·16	·12	·36	·24	*15·84*	27·00	14·93	1,314	1,104	16·80	14·53	112
	Maldah	2·52	·04	19·20	·09	·72	1·08	*23·88*	26·33	15·96	799	621	27·60	20·40	135
	Sonthal Pergunnahs	·96	·007	12·84	·06	·48	1·55	*16·08*	19·20	13·56	1,159	947	17·64	14·40	122
ORISSA	Cuttack	·48	·96	8·52	1·68	·60	4·68	*17·28*	21·72	21·84	1,393	1,203	15·96	15·72	110
	Pooree	·12	·60	3·49	2·40	·48	11·64	*19·08*	21·60	22·92	776	639	20·76	17·28	120
	Balasore	·10	·12	7·74	2·76	·72	4·92	*16·32*	19·32	25·64	638	652	16·56	16·98	102
CHOTA NAGPORE	Hazaribagh	3·33	·10	17·28	·72	·72	3·00	*25·44*	32·04	19·32	1,212	1,137	26·64	24·36	109
	Lohardugga	5·16	1·20	13·80	1·56	·12	6·38	*28·68*	30·96	17·16	2,093	1,754	31·44	25·80	121
	Singbhoom	·07	·33	10·80	·72	·48	2·16	*14·88*	17·88	18·12	296	271	15·60	14·28	109
	Manbhum	·02	...	13·44	·45	·45	4·65	*19·32*	25·44	21·36	911	795	20·76	17·88	116
	TOTAL FOR THE PROVINCE.	3·60	·24	14·16	·48	·60	2·76	*22·20*	25·58	21·00	65,722	56,255	24·12	20·23	118

MORTALITY ACCORDING TO—

Class (10, 11)

Divisions.	Districts.	Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan ...	Burdwan	...	1,476	289	...	...	...	15·00	13·18	...	...
	Bankura	...	914	48	...	64	...	12·00	12·36	...	9·36
	Birbhum	3	1,073	291	...	...	750·00	20·76	21·35	...	...
	Midnapore	3	3,103	181	...	178	46·60	16·36	13·20	...	18·12
	Hughli	...	663	137	...	...	...	14·88	12·60	...	...
	Serampore	...	404	81	...	...	...	16·56	16·20	...	...
	Total (Hughli including Serampore).	...	1,067	218	...	...	...	15·48	13·40	...	...
Presidency ...	Howrah	3	727	196	...	...	17·52	17·40	17·76	...	...
	24-Pergunnahs ...	2	1,336	619	...	...	2·28	15·16	11·88	...	...
	Nuddea	11	762	930	...	...	20·52	12·96	12·84	...	...
	Jessore	...	947	1,461	...	...	...	14·76	14·76	...	...
	Murshidabad	4	831	664	...	...	102·12	15·72	13·44	...	...
	Khulna	...	657	751	...	...	...	15·00	16·20	...	...
Rajshahye ...	Dinajpur	...	1,414	1,345	...	...	...	23·64	22·28	...	...
	Rajshahye	...	393	1,653	...	...	...	16·44	18·84	...	...
	Rungpore	...	1,293	1,940	...	...	...	18·98	18·12	...	...
	Bogra	1	270	749	...	...	444·36	22·92	15·12	...	...
	Pubna	...	398	1,072	...	...	...	13·20	13·32	...	...
	Darjiling	4	780	15	52	...	57·00	73·56	21·84	33·12	...
	Julpaiguri	...	192	489	...	...	...	32·28	25·08	...	...
Dacca ...	Dacca	10	846	1,140	...	...	13·56	11·76	10·92	...	...
	Faridpore	1	641	944	...	...	4·32	10·92	11·52	...	...
	Backerganj	2	824	1,818	2	...	6·33	15·72	17·16	4·92	...
	Maimansing	...	1,390	2,462	...	...	...	16·32	15·00	...	...
Chittagong ...	Chittagong	1	455	1,449	111	...	11·28	19·80	21·00	24·60	...
	Noakhali	1	365	1,030	...	...	20·40	21·84	21·48	...	...
	Tipperah	...	872	1,520	...	...	...	13·44	12·24	...	...
Patna ...	Patna	5	5,902	683	...	...	23·16	42·96	38·41	...	...
	Gya	1	7,716	825	...	...	124·92	45·84	42·12	...	...
	Shahabad	...	9,356	600	...	...	...	61·68	49·80	...	...
	Mozufferpore ...	...	5,214	601	...	...	...	27·60	22·80	...	...
	Durbhanga	...	5,643	710	...	...	...	29·04	27·48	...	...
	Sarun	...	5,128	519	...	...	...	30·48	21·36	...	...
	Chumparun	8	2,758	348	...	...	49·56	29·76	17·16	...	...
Bhagulpore ...	Monghyr	5	5,186	517	...	4	54·06	37·44	33·00	...	6·60
	Bhagulpore	...	3,928	343	...	...	...	26·64	23·40	...	...
	Purneah	...	1,549	899	...	...	...	17·16	13·92	...	...
	Maldah	...	825	505	...	...	...	26·04	21·60	...	...
	Sonthal Pergunnahs	...	1,276	180	...	650	...	18·40	19·81	...	12·72
Orissa ...	Cuttack	5	2,536	55	...	...	25·56	17·40	15·81	...	...
	Poori	7	1,597	11	...	...	162·48	19·68	9·36	...	...
	Balasore	...	1,272	18	...	...	...	16·44	9·00	...	...
Chota Nagpore.	Hazaribagh	...	1,849	220	...	280	...	23·88	24·84	...	45·84
	Lohardugga	61	1,806	216	...	1,764	20·16	24·84	33·48	...	35·72
	Singhbhum	2	562	3	...	...	7·92	15·00	15·36	...	...
	Manbhum	2	1,551	73	...	80	43·44	18·36	19·20	...	14·52
	TOTAL FOR THE PROVINCE.	142	88,283	30,367	165	3,020	17·52	21·72	17·04	24·64	21·72

Age (12) — Deaths.

Districts.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	374	145	79	61	105	195	201	174	138	221
Bankura	270	102	40	37	7	112	81	89	75	151
Birbhum	472	22	75	74	50	91	96	95	71	145
Midnapore	630	483	193	143	187	429	377	281	285	448
Hughli	132	75	31	22	55	96	99	109	65	183
Serampore	68	59	3	27	21	58	57	48	48	67
Total (Hughli including Serampore)	209	134	64	49	76	154	156	157	113	180
Howrah	228	147	50	35	43	84	73	60	57	156
24-Pergunnahs	358	303	158	89	48	182	175	148	144	304
Nuddea	351	215	140	110	99	134	166	105	124	298
Jessore	289	315	25	134	106	236	256	262	194	50
Murshidabad	358	190	117	63	66	138	128	116	101	224
Khulna	170	164	118	78	9	165	134	148	97	213
Dinajpur	428	462	272	128	157	345	359	218	159	203
Rajshahye	312	319	235	117	117	248	226	20	117	14
Rungpore	317	424	290	205	207	448	477	228	231	315
Bogra	193	151	85	46	49	135	101	85	69	126
Pubna	150	280	142	89	72	121	141	123	68	234
Darjiling	71	17	105	62	69	147	109	37	37	44
Julpaiguri	252	211	99	75	93	186	170	133	107	145
Dacca	316	274	152	104	122	214	176	151	133	354
Faridpore	186	267	140	74	84	142	147	130	157	21
Backerganj	557	420	250	112	120	225	177	189	188	382
Maimansing	414	507	376	201	236	469	384	373	289	535
Chittagong	325	455	187	76	107	151	174	148	144	248
Noakhali	277	273	147	94	80	121	92	83	94	213
Tipperah	187	252	115	80	9	167	157	121	136	216
Patna	1,390	1,483	658	277	165	461	435	415	397	671
Gya	1,129	1,705	923	583	441	528	747	658	609	825
Shahabad	954	1,755	1,108	579	422	1,241	1,170	851	739	1,147
Mozufferpore	813	1,139	533	373	201	598	481	432	501	670
Durbhanga	632	1,358	730	359	346	659	613	540	429	631
Sarun	673	932	548	308	193	571	574	498	417	97
Chumparun	473	519	237	121	89	297	249	254	243	432
Monghyr	982	1,461	518	258	141	431	453	334	351	692
Bhagulpore	847	665	398	297	157	520	307	383	377	211
Purneah	223	293	234	145	139	305	342	271	182	358
Maldah	178	232	161	102	76	144	135	116	73	156
Sonthal Pergunnahs	481	361	191	128	56	225	157	143	117	218
Cuttack	642	382	160	18	156	184	211	193	213	351
Poori	474	142	69	30	39	94	198	123	123	227
Balasore	367	144	59	34	41	113	116	114	109	191
Hazaribagh	534	450	206	118	85	198	199	136	170	225
Lohardugga	832	659	351	219	170	410	385	291	229	312
Singhbhum	94	78	27	26	18	58	50	62	72	82
Manbhum	485	262	166	77	90	141	123	129	122	172
TOTAL FOR THE PROVINCE	19,806	21,004	11,083	6,438	6,722	12,559	11,689	10,090	8,835	14,671

Age (13) — Ratio per 1,000 of population per annum.

Districts.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	142·56	13·20	5·64	5·64	10·08	9·12	10·80	13·68	17·04	33·24
Bankura	117·84	9·86	3·12	4·08	8·88	7·44	6·48	11·64	14·40	32·52
Birbhum	339·16	33·84	8·88	5·04	10·56	8·28	9·36	13·08	14·64	37·56
Midnapore	122·64	21·12	6·61	6·84	9·54	10·80	12·36	14·28	23·88	39·24
Hughli	95·36	15·24	5·88	4·20	11·04	8·88	11·04	17·28	16·20	34·60
Serampore	81·31	22·20	11·28	10·56	7·92	9·84	11·76	14·04	22·64	41·28
Total (Hughli including Serampore)	88·92	17·64	7·68	6·36	9·93	9·21	11·28	16·04	19·48	38·23
Howrah	146·88	24·72	7·68	6·81	9·10	8·28	9·24	11·76	18·12	48·24
24-Pergunnahs	97·41	18·84	8·49	6·6	8·64	6·96	8·28	11·16	17·88	31·12
Nuddea	111·64	12·60	6·96	7·56	9·72	6·1	8·76	9·72	13·80	34·20
Jessore	67·32	16·36	10·56	8·16	13·44	8·64	11·64	16·32	16·48	30·48
Murshidabad	154·20	16·08	7·81	6·12	7·92	8·04	8·76	11·70	15·72	34·36
Khulna	67·80	15·36	9·24	8·5	11·28	10·3	14·80	17·52	18·72	46·68
Dinajpur	145·92	33·50	12·84	16·20	16·08	16·08	18·96	20·16	23·88	32·64
Rajshahye	135·68	24·96	13·18	10·44	13·44	12·84	14·04	19·32	19·32	24·24
Rungpore	71·76	21·12	11·01	12·36	16·20	13·21	16·92	18·48	21·00	34·32
Bogra	157·8	18·72	8·28	7·59	9·84	11·04	11·52	15·48	22·68	41·92
Pubna	49·68	18·60	8·14	8·10	9·12	7·08	9·36	12·12	14·40	35·04
Darjiling	272·16	125·40	67·44	47·40	62·64	50·40	50·88	32·40	61·20	75·72
Julpaiguri	187·20	36·60	13·44	14·70	25·44	24·01	24·00	28·20	37·80	63·52
Dacca	64·44	11·28	5·49	5·41	9·00	7·68	7·44	9·60	14·16	31·92
Faridpore	55·08	14·88	6·96	5·04	8·28	6·36	7·81	9·96	19·08	26·76
Backerganj	143·52	22·04	11·84	6·84	9·12	7·90	8·16	13·20	20·88	46·32
Maimansing	63·84	14·76	9·00	7·80	11·40	11·04	11·16	16·92	22·31	37·68
Chittagong	117·96	37·08	11·88	6·60	15·32	10·80	15·12	18·24	25·56	48·24
Noakhali	142·08	29·16	13·32	12·60	13·80	11·28	10·44	14·14	21·78	59·52
Tipperah	104·04	14·52	5·76	5·88	8·40	8·04	8·10	10·92	16·80	32·88
Patna	377·76	84·00	28·92	19·92	17·52	20·16	27·40	26·52	38·04	62·64
Gya	316·68	77·52	33·04	31·12	38·28	29·08	28·44	34·32	51·24	78·48
Shahabad	253·80	85·92	45·72	34·08	39·72	45·36	45·92	51·72	73·92	106·48
Mozufferpore	219·48	41·88	17·88	17·25	14·40	17·40	15·00	19·08	35·76	52·80
Durbhanga	150·60	48·60	21·84	16·92	25·16	19·44	16·44	23·84	30·12	53·76
Sarun	159·72	39·84	19·56	15·41	15·84	19·21	19·56	24·24	35·52	54·48
Chumparun	128·28	30·60	11·64	8·28	9·24	12·24	10·92	16·92	27·96	54·12
Monghyr	219·56	63·36	21·64	16·92	12·72	16·56	18·64	25·16	34·56	73·44
Bhagulpore	262·68	34·68	15·24	16·8	11·52	18·60	15·60	24·12	41·76	38·88
Purneah	70·80	16·80	9·72	9·12	12·12	11·64	14·04	17·28	21·72	33·72
Maldah	108·36	41·44	17·52	16·08	15·24	14·71	16·08	20·40	3·16	43·32
Sonthal Pergunnahs	154·44	19·08	7·92	8·25	9·00	11·64	8·70	18·20	17·88	33·84
Cuttack	265·08	21·04	7·08	4·20	13·69	7·2	19·56	14·88	25·20	37·32
Poori	395·92	14·92	6·48	3·96	6·96	6·72	10·20	17·52	21·96	55·08
Balasore	244·32	14·40	4·92	3·84	6·93	8·16	10·56	14·76	23·76	46·20
Hazaribagh	208·44	32·64	13·20	12·00	13·44	13·08	14·28	21·60	36·84	61·44
Lohardugga	244·36	33·12	15·48	14·52	17·64	18·60	20·64	26·40	[illegible]	57·60
Singhbhum	123·00	15·12	4·32	6·01	5·64	9·24	9·24	18·96	33·40	50·40
Manbhum	203·28	22·56	6·94	8·64	11·88	9·94	9·96	17·76	25·92	38·60
TOTAL FOR THE PROVINCE	154·20	30·84	13·44	11·40	13·63	13·56	14·64	18·96	27·12	47·52

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 3rd October 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

MEMORANDUM.

Report on the Vital Statistics in twenty-seven of the principal towns of Bengal for the Quarter ending 30th June 1891.

BIRTHS.

THE total number of births registered in twenty-seven of the principal towns of Bengal during the three months ending with 30th June 1891 amounted to 5,182, being less than that of the preceding quarter by 1,230, but greater than that of the correspondng quarter of the preceding year and the average of the corresponding period of the past five years, (1886—90) by 1,168 and 615 respectively. This corresponds to an annual rate of 19·32 per 1,000 of the aggregate population of those towns, which is 1,072,359. This rate is 2·32 higher than the mean rate of the corresponding quarter of the past five years, 1886—90, and is also higher than the rate of the corresponding period of any of the past five years with which comparison is instituted, *vide* the figures below—

	QUARTER ENDING 30TH JUNE OF—						
	1886.	1887.	1888.	1889.	1890.	Quarterly average of five years, 1886—90.	1891.
Number of births	4,558	4,518	4,7?6	4,988	4,014	4,567	5,192
Ratio of births per mille per annum	17·00	16·84	17·72	18·60	14·96	17·00	19·32

Of the total births, 2,765 (ratio 10 28 per mille) were boys and 2,417 (ratio 9·) girls, or relatively to each other, 114 of the former were born for every 100 of the latter. Although, on the whole, there was a preponderance of the male element, yet in five towns, viz., Ranaghat, Jessore, Rampore Beauleah, Comillah, and Gya, more girls were born than boys.

The births registered in each of the twenty-seven principal towns during the second quarter of 1891, 1890, and the average of the five years, 1886—90, correspond to the following rates per 1,000 of the population of those towns :—

TOWNS.	RATIO PER MILLE. Quarter ending 30th June of— 1891.	1890.	Average of five years, 1886—90.	TOWNS.	RATIO PER MILLE. Quarter ending 30th June of— 1891.	1890.	Average of five years, 1886—90.
Burdwan	23·68	18·04	19·92	Narainganj	25·76	24·80	24·20
Midnapore	17·52	14·64	14·04	Chittagong	17·32	12·28	16·88
Hughli and Chinsurah	21·32	24·72	22·56	Comillah	23·34	28 12	29·00
Serampore	23·36	21·36	22·32	Patna City	10·68	7·80	11·48
Utterpara	19·60	12·32	15·24	Gya	21·32	17·36	19·36
Howrah	18·40	16·16	17·64	Arrah	21·80	13·52	14·32
Bali	14·00	11·32	13·48	Mozufferpore	25·72	12·72	15·44
Krishnagar	15·28	14·52	15·84	Durbhanga	25·.2	21·12	26·44
Ranaghat	13·32	14·28	6·88	Chupra	17·16	9 56	10·44
Santipore	12·12	13·32	10·24	Bhaugulpore	22·36	16·60	20·92
Jessore	6·12	8·00	8·00	Monghyr	32·44	19·80	21·44
Rampore Beauleah	28·48	28·28	30·72	Purneah	11·72	16·76	13·28
Darjiling	28·48	16·52	17·64	Poori	20·16	17·08	14·84
Dacca	15·24	11·56	13·72				
				TOTAL ...	19·32	15·12	17·00

The total birth-rate of the twenty-seven principal towns during the second quarter of 1891 is higher than the total rates of the two past periods with which it is compared. The maximum birth-rate was recorded in Monghyr (32·44 per mille) and the minimum in Jessore (6·12). The supposed standard in India is 40 per thousand, but it will be seen that not in one of the twenty-seven principal towns of Bengal was this standard reached during the quarter under review. In only one, however, out of the twenty-seven principal towns in Bengal, viz., Monghyr, did the statistics of birth registration exceed 30 per 1,000. In all the rest the rate was very low, especially in the towns of Jessore, Patna, Purneah, Santipore, Ranaghat, and Bali, where the statistics are so imperfectly recorded that ratio was less than 15 per 1,000.

DEATHS.

The total number of deaths registered in twenty-seven principal towns of Bengal during the quarter ending with 30th June 1891 amounted to 6,342, against 6,765 in the corresponding quarter of 1890, and 6,018 which is the average of the corresponding period of the past five years (1886—90). These figures represent an annual death-rate of 23·64, 25·20, and 22·44 per 1,000, respectively, of the aggregate population of those towns. The death-rate of the second quarter of 1891 is 1·20 higher than the mean rate of the corresponding

period of the past five years 1886—90, and is also higher than the recorded mortality of the corresponding quarter of any of the past five years except 1890, *vide* the figures below—

	QUARTER ENDING 30TH JUNE OF—						
	1886.	1887.	1888.	1889.	1890.	Quarterly average of five years, 1886–90.	1891.
Number of deaths	5,972	5,093	5,718	5,979	6,765	6,018	6,342
Ratio per mille per annum	22·24	21·12	21·28	22·28	25·20	22·44	23·64

The deaths registered among the different sexes and the several classes of the community are given in the following statement. Taking the towns collectively, there were more male deaths registered than female deaths, *i.e.*, 105 males died for every 100 females, calculated on the proportion such mortality bears to the total male and female population; but, individually considered, in thirteen towns the death-rate was greater among the female than among the male population. Proportionally to population, the death-rate among the Hindus was the greatest, and that among the Mahomedans was greater than the death-rate among either the Christians or the Budhists who suffered the least:—

	SEX.			CLASS.				
	Male.	Female.	Ratio of male deaths to every 100 female deaths calculated on the proportion such mortality bears to the total male and female population.	Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Number of deaths	3,371	2,971	....	37	4,594	1,710	1	...
Ratio per mille per annum	24·24	23·00	105	21·21	23·96	23·08	1·96	...

The deaths registered in each of the twenty-seven principal towns during the second quarter of 1891, 1890, and the average of the five years 1886—90, correspond to the following rates per 1,000 of the population of those towns:—

TOWNS.	RATIO PER MILLE. Quarter ending 30th June of— 1891.	1890.	Average of five years 1886—90.	TOWNS.	RATIO PER MILLE. Quarter ending 30th June of— 1891.	1890.	Average of five years 1886—90.
Burdwan	28·60	23·68	21·56	Narainganj	15·60	19·40	24·80
Midnapore	32·46	23·86	16·68	Chittagong	30·72	18·52	18·04
Hughli and Chinsurah	31 68	40·64	27·64	Comillah	26·32	24·54	20·60
Serampore	37 40	30·16	32·28	Patna City	15 48	22·56	21·88
Utterpara	23·92	25·40	22·48	Gya	42·12	37·56	38·88
Howrah	16·80	17·04	16·36	Arrah	18·48	24·00	12·40
Bali	17·60	18·32	14·16	Mozufferpore	19 16	24·20	18·12
Krishnagar	6·68	9 28	13·96	Durbhanga	27·68	29·68	27·68
Ranaghat	14·72	12·88	7·36	Chupra	21 38	13·84	12·20
Santipore	9·28	9 96	7·92	Bhagulpore	28 60	20·56	22·20
Jessore	16·00	18·36	19·76	Monghyr	30·84	21·88	20·16
Rampore Beauleah	26 64	28·08	33 16	Purneah	27·98	22 64	22·64
Darjiling	37·60	55·84	32·48	Poori	25·00	101·32	60·00
Dacca	20·28	23·04	18·56				
				TOTAL ...	23·64	25·20	22·44

Gya attained the highest death-rate during the quarter under notice, viz., 42·1 per 2 mille per annum, and the lowest death-rate was recorded in Krishnagar, 6·68. In seven towns the rates were above 30 per mille, in ten they were between 30 and 20, and in the remaining ten they were below 20. In those towns which returned death-rates below 20 per mille, registration of deaths cannot be said to have been satisfactorily carried on.

The total mortality during the quarter under review from the several registered death-causes is compared in the following table with the mortality from those causes in the corresponding quarters of 1890 and the average of the five years 1886—90:—

	RATIO PER MILLE DURING—		
	Quarter ending 30th June 1891.	Quarter ending 30th June 1890.	Quarterly average of quarter ending 30th June 1886–90.
Cholera	3·56	4·44	3 80
Small-pox	1·20	·84	·40
Fever	9·24	11·64	8·96
Dysentery and diarrhœa	2·36	2·16	2·64
Injury	·48	·40	·48
Other causes ...	6·68	5·60	6 12

It will be seen from the above statement that the figures of 1891 are almost similar to those of the average period of the past five years, except under the heading small-pox. Compared, however, with the second quarter of 1890, there is a considerable decrease in the

mortality of the second quarter of 1891 under the heads "cholera" and "fever," and a noticeable increase in the mortality from the unspecified diseases coming under the head "Other causes."

Cholera caused 956 deaths, against 1,164 in the preceding quarter—ratio 3·56 and 4·32 per 1,000 of population, respectively. Proportionally to population, the disease was most severe in Purneah and Bhagulpore, where the mortality rates were 14·88 and 11·16 per mille per annum, respectively. The next highest rate occurred in Chittagong, 5·96, then in Gya, 5·88, in Dacca 5·20, in Utterpara 4·32, in Comillah 4·12, in Howrah 3·80. in Serampore and Chupra 3·32 each, in Patna 3·28, in Hughli and Chinsurah 3·12. in Rampore Beauleah 3; and in Santipore 2·40. In only one town, viz., Darjiling, the disease was entirely absent.

The deaths from *Small-pox* numbered 324 (ratio 1·20 per mille), against 478 (ratio 1·76) in the previous quarter. Midnapore returned the highest death-rate, viz., 13·08 per mille per annum, next Chittagong 6·68 per mille, followed by Gya 2·64, Durbhanga 2·16, Chupra 1·52, and Arrah 1·28. Thirteen towns, viz., Serampore, Utterpara, Bali, Krishnagar, Ranaghat, Santipore, Jessore, Rampore Beauleah, Darjiling, Dacca, Comillah, Bhagulpore, and Poori, enjoyed perfect immunity from this disease

Fever proved fatal in 2,486 instances (ratio 9·24 per mille), and *dysentery and diarrhœa* in 643 (ratio 2·36), against 2,793 (ratio 10·40) and 794 (ratio 2·96), respectively, in the preceding quarter. All the towns suffered from fever; those which suffered the greatest being Darjiling with a death-rate of 23·36 and Gya with 20·96 per mille. Darjiling also returned the highest death-rate from dysentery and diarrhœa, viz., 13·08 per mille; next to it comes Serampore 7·24, then Monghyr 5·76. In only one town, Comillah, the return of deaths from dysentery and diarrhœa was *nil*.

The deaths from *Injury* numbered 139 (ratio ·48 per mille), against 108 (ratio ·40) in the preceding quarter, and those from *all other causes* not specified, 1,794 (ratio 6·68), against 1,905 (ratio 7·08) of the preceding quarter. Poori returned the highest death-rate from the unspecified diseases coming under the head of "Other causes," viz., 13·84 per mille; Serampore stands next with 12·92, followed by Monghyr 12·20, Gya 11·76, and Utterpara 10·88.

With regard to *Age*, infants under one year of age as usual perished in the largest numbers 188·08 per mille per annum, next come old persons (60 years and upwards) with a death-rate of 51·80 per mille. The lowest death-rate, which occurred between the ages of 10 and 15 years, is only 9· per mille of population.

Detailed information regarding the vital statistics of the twenty-seven principal towns of Bengal during the quarter under review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 5th October 1891.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the Quarter ending 30th June 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Disease.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhoea.	Injury.	Other diseases.	All causes.	Cholera.	Small-pox.	Fevers.	Dysentery and diarrhoea.	Injury.	Other diseases.	All causes.	Ratio of deaths per 1,000 of population per annum in the previous quarter.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan ...	18,0?3	16,017	34,0??	105	97	202	12·32	11·34	23·68	10?	10	1	126	35	8	64	244	1·26	·08	14·76	4·08	·92	7·48	28·60	33·36	129	115	2?·5?	28·68	99
Midnapore ...	Midnapore ...	16,927	16,633	33,560	85	62	147	1?·12	7·36	17·52	137	1?	110	39	28	8	77	272	1·?6	13·?8	4·04	3·32	·92	9·16	32·40	57·68	137	135	32·36	32·44	99
Hughli ..	Hughli and Chinsurah.	15,858	15,829	31,687	86	83	169	10·84	1?·44	21·32	103	25	1	120	22	9	75	251	3·1?	·12	15·12	2·76	1·09	9·44	31·68	3?·24	151	100	38·08	25·24	150
Serampore ..	Serampore ..	13,559	12,937	26,49?	85	70	155	12·80	10·56	23·36	121	22		86	48	6	86	248	3·?2	..	12·93	7·24	·88	12·92	37·40	53·56	141	107	4?·56	33·08	125
	Utterpara ...	3,046	2,464	5,510	17	10	27	12·32	7·21	19·60	170	6	...	7	2	3	15	33	4·32	...	5·18	1·44	2·16	10·8?	23·92	?9·2?	?4	9	31·?8	14·60	215
Howrah ...	Howrah ...	53,153	37,360	90,813	227	191	418	9·96	8·40	18·40	115	97	4	114	52	15	110	382	3·80	·16	5·00	2·25	·64	4·84	16·80	2?·?6	220	162	16·52	17·20	96
	Bali ..	7,???	6,97?	14,515	27	25	52	7·28	6·72	14·00	108	3	...	27	8	...	25	63	·80	...	7·28	2·12	...	6·72	17·00	22·?2	27	36	13·70	20·60	66
Nuddea ...	Krishnagar ..	13,265	14,21?	27,477	57	48	105	8·28	6·96	15·28	118	1	...	25	2	1	17	46	·12	.	3·6?	·28	·12	2·44	6·68	22·56	2?	18	8·4?	5·04	167
	Ranaghat ...	4,?25	4,?58	8,683	13	16	29	5·96	7·?6	13·32	81	2	.	18	2	1	9	32	·92	...	8·?8	·92	·?4	4·12	14·72	20·00	18	14	1?·8?	12·00	148
	Santipore ...	13,706	15,97?	29,687	48	42	90	6·44	5·64	12·12	114	18		58	6	...	7	69	2·40	..	5·12	·80	...	·92	9·28	13·84	36	33	10·48	8·24	127
Jessore ...	Jessore ...	4,950	3,6??	8,495	5	8	13	2·32	3·76	6·12	62	1	.	21	5	1	8	34	·44	..	9·88	2·32	·44	2·80	16·00	41·88	18	16	14·86	17·44	85
Rajshahye .	Rampore Beauleah	1?,766	9,?25	1?,79?	65	76	141	13·12	15·?0	28·16	85	15	...	91	4	4	18	132	3·0?		15·36	·80	·80	3·60	26·64	33·72	73	59	27·12	26·12	163
Darjiling ...	Darjiling ...	4,579	2,?38	7,015	25	22	50	15·?2	12·32	28·16	127	...		41	23	1	1	66	.		23·?6	13·?8	·56	·56	37·60	24·48	41	25	35·8?	41·90	87
Dacca ...	Dacca ...	42,782	37,379	80,161	162	144	306	8·??	7·1?	15·24	112	135	...	1?8	39	4	151	407	5·2?	.	5·36	1·92	·16	7·52	20·28	20·00	2?2	175	21·68	18·73	115
	Naraingunj .	7,805	4,95?	12,761	46	35	81	14·64	11·12	25·76	13?	3	1	17	6	...	22	49	·52	·28	5·4?	1·28	...	7·0?	15·?0	40·4?	24	25	12·6?	2?·16	62
Chittagong ...	Chittagong ...	13,54?	?8,7??	22,1??	63	3?	?6	11·?6	5·93	[illegible]	19?	33	37	47	5	4	44	170	[illegible]	6·68	8·45	·85	·72	7·?2	30·72	40·24	85	85	25·48	?8·65	65
Tipperah ..	Comillah ..	?,?58	[illegible]	[illegible]	3?	4?	79	1?·64	1?·72	2?·86	83	14	..	54	..	3	15	89	4·12	...	15·94		·58	5·32	26·32	?6·4?	47	42	2?·?4	31·36	78
Patna ...	Patna City ...	78,70?	61,4??	[illegible]	24?	153	199	[illegible]	[illegible]	[illegible]	1?4	1?2	39	?09	[illegible]	10	175	621	3·25	·93	5·20	1·33	·24	4·?6	15·44	14·08	309	312	15·68	15·28	102
Gya ...	Gya ...	38,2??	[illegible]	7?,?21	1?4	2?2	406	10·16	?1·??	[illegible]	9	112	5?	3?9	6	10	224	502	5·85	2·61	20·95	·25	·52	11·78	42·12	43·96	4?6	[illegible]	4?·?4	41·64	101
Shahabad ...	Arrah ...	20,9??	22,5??	[illegible]	120	117	237	11·04	10·76	21·80	102	14	14	111	12	9	41	201	1·28	1·28	10·20	1·05	·59	3·73	18·48	12·?2	117	84	22·32	14·92	149
Mozufferpore..	Mozufferpore ...	23,084	19,?58	42,742	1?5	120	275	14·4?	11·?0	25·72	129	5	8	89	52	8	40	205	·72	·72	8·32	4·84	·72	3·72	19·16	19·16	110	95	19·04	19·32	98
Durbhanga ...	Durbhanga ...	33,774	32,322	66,09?	2?4	211	435	?3·52	12·73	26·32	105	21	36	218	40	6	98	458	1·2?	2·16	15·00	2·96	·38	5·92	27·68	25·76	226	232	26·76	25·65	93
Saran ...	Chupra ..	25,116	26,?54	51,670	126	96	222	9·?2	7·40	17·16	13	43	20	61	29	13	110	276	3·32	1·52	4·?2	2·24	1·00	8·48	21·36	16·45	151	125	24·04	18·50	127
Bhagulpore ..	Bhagulpore ...	34,913	33,322	6?,23?	205	177	382	12·00	10·36	22·36	116	191	..	152	45	5	95	488	11·16	...	6·83	2·6?	·28	5·56	28·60	18·08	261	227	29·88	27·24	109
Monghyr ...	Monghyr ...	28,154	29,366	57,520	249	218	467	17·?5	15·12	32·44	114	15	1	159	83	7	176	444	1·?4	·04	11·14	5·76	·48	12·20	30·84	25·73	231	213	32·80	?9·00	118
Purneah ...	Purneah ...	8,463	6,553	15,016	26	18	44	6·??	4·73	11·72	144	5?	1	35	9		4	105	14·88	·24	9·32	2·36	...	1·04	27·96	20·76	51	51	25·5?	31·12	82
Poori ...	Poori ...	13,247	11,537	24,784	65	60	125	10·48	9·68	20·16	103	6	...	44	15	4	86	155	·96	...	7·?8	2·40	·64	13·84	25·00	40·84	75	80	22·64	27·72	81
	TOTAL ...	556,262	5?6,097	1,072,359	2,765	2,417	5,182	10·25	9·00	19·32	114	958	324	2,456	643	139	1,794	6,342	5·36	1·20	9·24	2·36	·48	6·68	23·64	27·00	3,371	2,971	21·24	23·0?	105

MORTALITY ACCORDING TO—

13–14. Class

DISTRICTS.	NAMES OF MUNICIPALITIES.	Deaths among— Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.	Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Budhists.	Other classes.
Burdwan ..	Burdwan	1	168	75	.	.	29·84	28·36	29·20	.	..
Midnapore ..	Midnapore .	4	230	38	..	..	71·72	35·18	21·04	...	.
Hughli ..	Hughli and Chinsurah.	..	195	56	...	...	... .	30·84	36·32	...	..
Serampore ...	Serampore ..	2	212	34	...	.	24·68	33·60	144·9		...
	Utterpara	...	32	1	...	...	......	24·00	21·72	...	.
Howrah ...	Howrah	5	258	119	...	...	10·52	15·12	23·20	...	...
	Bali	...	57	6	.	...	...	17·00	18·28	...	...
Nuddea ...	Krishnagar ...	3	32	11	...	...	21·16	6·84	5·25	.	
	Ranaghat	...	28	4	...	...	......	15·28	11·72	.	.
	Santipore	...	48	21	...	...	.. ...	9·24	9·36	...	...
Jessore ..	Jessore	...	18	16	..	...	.....	15·96	16·72	...	..
Rajshahye ..	Rampore Beauleah	...	67	65	...	..	..	27·04	26·48	...	..
Darjiling ...	Darjiling ..	1	54	11	..	...	25·00	47·00	71·88	...	..
Dacca ...	Dacca	2	234	171		..	16·84	23·20	17·36	.	...
	Narainganj ..	...	18	31	..	.	......	11·36	20·12	..	...
Chittagong ..	Chittagong ...	3	18	148	1	...	15·04	12·40	38·72	16·64	.
Tipperah ...	Comillah	.	28	61	..	.	. ...	18·80	34·60		
Patna	Patna City ..	2	489	130	...	...	22·52	16·44	12·68	..	...
Gya	Gya	...	640	162	...	..	......	42·64	40·28	...	...
Shahabad ..	Arrah	...	122	79	...	...	......	15·72	27·44	...	..
Mozufferpore ...	Mozufferpore ...	12	131	62	...	...	206·00	17·44	19·84		..
Durbhanga ...	Durbhanga ...	.	362	16	..	...	.. ...	29·88	21·84	...	...
Sarun	Chupra	1	235	40	...	..	37·36	23·68	13·40	...	...
Bhagulpore ..	Bhagulpore ...	...	349	139		...	.. .	25·46	29·44	..	...
Monghyr ...	Monghyr	1	[illegible]	82	.	..	16·68	[illegible]	[illegible]	.	...
Purneah .	Purneah	...	54	51	..	..	.. .	23·52	32·?0	..	...
Pooree .	Pooree	.	134	1	...		... .	25·?8	19·01	...	...
	TOTAL ..	37	4,594	1,710	1	...	31·24	23·96	25·06	1[illegible]6	...

15. Age — Deaths.

DISTRICTS.	NAMES OF MUNICIPALITIES.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	51	24	12	9	16	33	26	26	22	25
Midnapore	Midnapore	39	24	16	12	19	38	51	37	12	25
Hughli	Hughli and Chinsurah	48	29	16	8	13	39	35	18	22	32
Serampore	Serampore	48	47	12	8	8	19	26	32	19	29
	Utterpara	5	4		2	.	2	5	5	3	7
Howrah	Howrah	64	4.	19	8	12	66	52	42	32	35
	Bali	11	5	10	1	3	8	6	3	2	14
Nuddea	Krishnagar	10	2	4	2	1	7	4	5	5	6
	Ranaghat	9	...	1	1	.	5	1	4	5	6
	Santipore	8	1	3	2	3	6	6	5	9	16
Jessore	Jessore	5	3	4	..	4	1	5	3	5	4
Rajshahye	Rampore Beauleah	26	11	9	3	7	19	8	17	13	19
Darjiling	Darjiling	5	20	6	3	2	10	6	6	2	6
Dacca	Dacca	72	48	28	18	34	51	43	34	18	61
	Narainganj	16	8	1	1		5	6	3		9
Chittagong	Chittagong	29	45	18	7	10	27	14	7	4	9
Tipperah	Comillah	17	11	7	2	4	9	9	1	5	24
Patna	Patna City	86	115	54	33	37	75	35	46	46	93
Gya	Gya	106	168	57	22	26	56	65	61	54	127
Shahabad	Arrah	51	47	14	5	10	12	13	14	8	27
Mozufferpore	Mozufferpore	51	33	15	1	13	18	17	15	15	26
Durbhanga	Durbhanga	86	154	38	11	12	23	25	35	17	57
Sarun	Chupra	57	40	12	6	14	24	32	18	23	44
Bhagulpore	Bhagulpore	89	65	45	32	22	52	49	35	29	75
Monghyr	Monghyr	125	106	19	13	24	35	23	27	18	52
Purneah	Purneah	14	5	10	6	15	18	13	9	10	5
Pooree	Pooree	25	9	4	3	18	22	15	17	17	27
	TOTAL	1,205	1,051	437	219	326	674	395	501	415	561

16. Age — Ratio per 1,000 of population per annum.

DISTRICTS.	NAMES OF MUNICIPALITIES.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	309·?8	42·52	20·56	14·28	20·44	16·64	15·04	23·52	35·84	67·44
Midnapore	Midnapore	299·92	40·80	17·04	15·76	22·76	20·68	35·76	39·68	21·24	54·64
Hughli	Hughli and Chinsurah	234·08	32·24	22·14	12·88	20·68	19·32	21·52	17·24	33·84	61·72
Serampore	Serampore	27?·40	104·12	19·08	14·40	14·64	14·08	20·88	37·92	39·?8	83·36
	Utterpara	124·20	35·00	.	16·68	... ..	6·92	18·84	28·52	32·60	107·68
Howrah	Howrah	124·08	35·36	12·08	4·84	6·52	11·60	10·76	14·28	23·28	49·52
	Bali	121·52	20·00	37·52	3·36	8·96	9·52	8·60	6·16	7·60	78·48
Nuddea	Krishnagar	80·64	3·24	4·64	2·84	2·32	5·89	3·72	6·12	9·48	13·88
	Ranaghat	175·85	......	3·56	4·60	....	13·?4	3·20	15·92	27·60	42·16
	Santipore	37·54	15·16	3·16	2·72	5·85	4·88	5·52	5·68	15·64	32·56
Jessore	Jessore	105·08	24·28	20·16	. ...	21·84	1·96	13·04	11·40	35·52	34·92
Rajshahye	Rampore Beauleah	256·12	31·00	17·28	6·64	16·84	18·28	8·84	27·72	41·?8	73·92
Darjiling	Darjiling	165·28	124·40	41·00	24·56	12·48	20·00	16·72	34·68	32·76	142·00
Dacca	Dacca	15?·72	26·00	1?·28	9·04	18·60	13·28	14·72	16·20	15·20	43·76
	Narainganj	2?9·36	28·04	8·00	3·52	......	7·48	11·29	8·00	....	55·20
Chittagong	Chittagong	206·00	91·18	25·80	10·84	16·52	13·32	16·76	12·40	14·72	45·20
Tipperah	Comillah	223·92	33·60	17·16	5·48	12·68	13·00	18·04	3·04	21·96	141·56
Patna	Patna City	79·80	30·96	12·86	9·?6	13·24	10·80	6·00	9·76	13·09	28·92
Gya	Gya	370·92	103·76	32·56	13·04	19·84	15·?0	20·40	24·?6	32·84	93·68
Shahabad	Arrah	158·36	42·40	10·85	4·52	12·68	6·08	8·08	11·92	10·32	37·44
Mozufferpore	Mozufferpore	213·60	32·64	13·22	1·0?	17·12	8·36	9·72	14·?6	16·09	42·72
Durbhanga	Durbhanga	229·92	50·32	19·40	7·88	11·92	6·58	8·96	15·80	8·08	71·36
Sarun	Chupra	161·56	35·64	8·04	4·76	16·12	10·40	10·40	11·84	22·24	51·72
Bhagulpore	Bhagulpore	222·86	40·?4	27·16	17·00	17·76	15·?2	17·64	16·58	22·?4	67·84
Monghyr	Monghyr	344·76	6?·24	10·76	9·04	25·40	13·52	12·52	16·92	18·03	57·96
Purneah	Purneah	197·84	16·52	25·28	20·08	60·36	21·88	18·20	19·40	42·68	24·76
Pooree	Pooree	303·60	20·00	7·12	6·36	3?·72	16·64	14·50	20·44	30·44	59·80
	TOTAL	15?·08	45·?6	15·64	9·00	15·?2	12·64	13·44	16·80	21·08	51·80

OFFICE OF SANITARY COMMISSIONER FOR BENGAL;
The 5th October 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 19th September 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the preceding week.	Male.	Female.	Male.	Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	18	15	*33*	27·5	22·9	*50·4*	120	1	...	20	4	...	6	*31*	1·5	...	30·5	6·1	..	9·2	*47·3*	24·4	21	10	60·5	33·5	166
	Raniganj	6,246	4,691	10,937	1	4	*5*	4·8	19·0	*23·8*	25	...	.	1	...	...	2	*3*	...	..	4·8	...	.	9·5	*14·3*	9·5	1	2	6·3	23·2	33
Bankura ..	Bankura	8,970	8,925	17,895	3	8	*11*	8·7	23·2	*32·0*	37	...	...	3	1	...	3	*7*	.	..	8·7	2·9	..	8·7	*20·3*	11·6	2	5	11·6	29·1	39
Birbhum ...	Soori ...	3,982	3,866	7,848	1	3	*4*	6·6	19·9	*26·5*	33	..		4	...	..	1	*5*	..	...	26·5	..	.	6·6	*33·1*	13·3	3	2	39·2	26·9	146
Midnapore ...	Midnapore ...	16,927	16,633	33,560	6	8	*14*	9·3	12·4	*21·7*	75	...	..	2	2	...	8	*12*	.	.	3·1	3·1	...	12·4	*18·6*	24·8	6	6	18·4	18·8	98
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	12	7	*19*	19·7	11·5	*31·2*	171	4	.	20	4	...	8	*36*	6·6	.	32·8	6·6	...	13·1	*59·1*	41·0	17	19	55·7	62·4	89
	Serampore ...	13,559	12,937	26,496	12	8	*20*	23·6	15·7	*39·3*	150	2	..	16	6	1	11	*36*	3·9		31·4	11·8	2·0	21·6	*70·7*	43·2	22	14	84·4	56·3	150
	Utterpara ...	3,046	2,464	5,510	1	2	*3*	9·4	18·9	*28·3*	50	...	...	1	...	...	1	*2*	...		9·4	...	...	9·4	*18·9*	9·4	1	1	17·1	21·1	81
Howrah ...	Howrah	53,153	37,650	90,813	10	18	*28*	5·7	10·3	*16·0*	55	4	...	15	9	1	7	*36*	2·3	.	8·6	5·1	·6	4·0	*20·6*	24·6	20	16	19·6	22·1	89
	Bali	7,836	6,979	14,815	2	3	*5*	7·0	10·5	*17·5*	66	1	...	1	.	..	1	*3*	3·5	...	3·5	..	..	3·5	*10·5*	10·5	2	1	13·3	7·5	177
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	4	2	*6*	7·9	4·0	*11·9*	200	1	...	16	...	...	5	*22*	2·0	..	31·6	...	...	9·9	*43·5*	77·1	12	10	38·8	50·9	76
	Manicktola ..	16,536	12,112	28,648	1	7	*8*	1·8	12·7	*14·5*	14	2	...	3	1	...	5	*11*	3·6	.	5·4	1·8	..	9·	*20·0*	20·0	8	3	25·2	12·9	196
	Baranagore ...	15,920	14,062	29,982	5	1	*6*	8·7	1·7	*10·4*	500	6	...	8	1	...	5	*20*	10·4	...	13·9	1·7	..	8·7	*34·7*	29·5	12	8	39·3	29·6	132
	South Suburban*																														
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	7	4	*11*	13·2	7·6	*20·8*	175	...	...	7	1	2	2	*12*	..	...	13·2	1·9	3·8	3·8	*22·7*	15·1	6	6	23·5	22·0	107
	Ranaghat ...	4,028	4,655	8,683	1	1	*2*	6·0	6·0	*12·0*	100	...	...	2	...	...	1	*3*	...	..	12·0	...	...	6·	*18·0*	41·9	2	1	25·8	11·2	231
	Santipore ...	13,708	15,979	29,687	3	9	*12*	5·3	15·7	*21·0*	33	...	...	2	...	1	...	*3*	...	.	3·5	...	1·7	...	*5·3*	5·3	3	...	11·4	...	No female death.
Jessore ...	Jessore	4,830	3,665	8,495	1	2	*3*	6·1	12·2	*18·4*	50	...	...	...	...	...	...	...	...	...	...	..	.	..	..	...	...	...	...	...	......
Murshedabad	Berhampore ...	11,657	11,948	23,605	6	2	*8*	13·2	4·4	*17·6*	300	...	...	18	1	...	5	*24*	...	..	39·7	2·2	...	11·0	*52·9*	19·8	16	8	71·4	34·8	205
	City Murshedabad	18,901	20,330	39,231	5	11	*16*	6·6	14·6	*21·2*	45	...	...	21	...	...	1	*22*	...	...	27·8	...	...	1·3	*29·2*	17·2	11	11	30·3	28·1	107
Khulna ...	Khulna	3,249	3,043	6,292	1	1	*2*	8·2	8·2	*16·5*	100	...	...	1	...	...	...	*1*	...	..	8·2	...	...	.	*8·2*	4·3	...	1	...	17·1	No male death.
Dinajpore ...	Dinajpore	7,254	5,306	12,560	1	3	*4*	4·1	12·4	*16·6*	33	...	...	8	...	...	2	*10*	...	...	33·1	...	...	8·3	*41·4*	53·8	5	5	35·8	49·0	73

Rajshâhye ...	Rampore Beauleah	10,766	9,025	19,791	6	5	*11*	15·8	13·1	*28·9*	120	...	...	26	2	...	...	*28*	...	...	69·8	5·3	...	...	*78·6*	44·7	12	16	59·0	92·2	63
Rungpore ...	Rungpore	8,011	5,309	13,320	6	2	*8*	23·4	7·8	*31·2*	300	...	...	11	1	...	7	*19*	...	...	42·9	3·9	...	27·3	*74·2*	31·2	17	2	110·3	19·8	56½
Bogra ...	Bogra	3,480	2,699	6,179	...	3	*3*	...	25·2	*25·2*	No male birth.	...	...	2	4	1	1	*8*	...	...	16·8	33·7	8·4	8·4	*67·3*	42·1	6	2	89·7	38·5	232
Pubna ...	Pubna	7,701	7,566	15,267	3	4	*7*	10·2	13·6	*23·8*	75	...	...	2	...	...	2	*4*	...	...	6·8	...	...	6·8	*13·6*	40·9	2	2	13·5	13·7	96
	Serajganj*																														
Darjeeling ...	Darjeeling... ...	4,579	2,439	7,018	1	1	*2*	7·4	7·4	*14·8*	100	...	...	5	5	...	1	*11*	...	...	37·0	37·0	...	7·4	*81·5*	81·5	2	9	22·7	191·9	11
Julpaiguri ...	Julpaiguri... ...	4,972	2,975	7,947	1	...	*1*	6·5	...	*6·5*	No female birth.	...	...	4	1	...	1	*6*	...	...	26·2	6·5	...	6·5	*39·3*	85·1	5	1	52·3	17·5	29¾
Dacca ...	Dacca	42,782	37,379	80,161	10	8	*18*	6·5	5·2	*11·7*	125	2	1	11	3	2	8	*27*	1·3	·6	7·1	1·9	1·3	5·2	*17·5*	19·5	17	10	20·7	13·9	149
	Naraingunj ...	7,605	4,956	12,561	3	4	*7*	12·4	16·6	*29·0*	75	1	..	1	2	...	5	*9*	4·1	...	4·1	8·3	...	20·7	*37·3*	16·6	7	2	47·9	21·0	228
Faridpore ...	Faridpore	5,663	4,600	10,263	2	2	*4*	10·1	10·1	*20·3*	100	...	...	4	1	...	1	*6*	...	...	20·3	5·0	..	5·0	*30·4*	15·2	4	2	36·7	22·6	162
Backerganj ...	Barisal	8,701	4,485	13,186	2	1	*3*	7·9	3·9	*11·8*	200	...	...	2	2	...	3	*7*	...	...	7·9	7·9	...	11·8	*27·6*	19·7	7	...	41·8	...	No female death.
Mymensing ...	Nasirabad ...	10,443	4,413	14,856	1	...	*1*	3·5	...	*3·5*	No female birth.	...	...	1	...	...	1	*2*	...		3·5	...	..	3·5	*7·0*	Data not available.	1	1	5·9	11·8	42
Chittagong ...	Chittagong ...	13,340	8,790	22,130	...	2	*2*	...	4·7	*4·7*	No male birth.	...	...	3	...	...	...	*3*	...	...	7·0	...	...	...	*7·0*	4·7	3	...	11·7	...	No female death.
Noakhali ...	Sudharam ...	3,410	1,714	5,124	1	...	*1*	10·1	...	*10·1*	No female birth.	..	...	...	1	...	2	*3*	...	...	...	10·1	..	20·3	*30·4*	20·2	...	3	...	91·0	No male death.
Tipperah ...	Comillah	8,153	5,353	13,506	1	1	*2*	3·8	3·8	*7·7*	100	...	...	...	...	..	1	*1*	...	...	...	...	...	3·8	*3·8*	11·6	1	...	6·4	...	No female death.
Patna ...	Patna City ...	78,762	81,475	160,237	31	39	*70*	10·1	12·6	*22·7*	79	7	..	42	4	1	23	*77*	2·3	...	13·6	1·3	·3	7·5	*25·0*	23·0	38	39	25·1	24·9	101
	Behar	23,799	25,172	48,971	17	15	*32*	18·1	15·9	*34·0*	113	...	..	8	2	3	15	*28*	...	...	8·5	2·1	3·2	15·9	*29·7*	18·1	17	11	37·1	22·7	163
Gya ...	Gya	38,290	37,831	76,121	37	17	*54*	25·3	11·6	*36·9*	217	7	..	46	1	...	19	*73*	4·8	...	31·4	·7	...	13·0	*49·9*	59·4	37	36	50·2	49·5	101
Shahabad ...	Arrah	20,960	22,505	43,465	30	23	*53*	35·9	27·5	*63·4*	130	3	1	10	...	...	7	*21*	3·6	1·2	12·0	...	...	8·3	*25·1*	44·3	8	13	19·8	30·0	66
	Buxar	9,299	8,369	17,668	1	3	*4*	2·9	8·8	*11·8*	33	...	...	7	...	...	3	*10*	...	...	20·6	..	...	8·8	*29·4*	50·0	5	5	28·0	31·1	90
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	13	16	*29*	15·8	19·5	*35·3*	81	13	..	9	1	...	6	*29*	15·8	..	10·9	1·2	...	7·3	*35·3*	19·5	15	14	33·6	37·0	91
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	20	20	*40*	15·7	15·7	*31·5*	100	...	1	14	2	1	5	*23*	...	·8	11·0	1·6	·8	3·9	*18·1*	24·4	15	8	23·1	12·9	179
Sarun ...	Chupra	25,116	26,554	51,670	16	10	*26*	16·1	10·1	*26·2*	160	13	...	6	2	2	17	*40*	13·1	...	6·0	2·0	2·0	17·1	*40·3*	33·3	22	18	45·5	35·2	129
Chumparun ...	Motihari	6,328	3,979	10,307	10	3	*13*	50·5	15·1	*65·6*	383	...	...	7	2	...	4	*13*	...	...	35·3	10·1	...	20·2	*65·6*	35·6	10	3	82·2	39·2	209
Monghyr ...	Monghyr	28,154	29,366	57,520	24	28	*52*	21·7	25·3	*47·0*	86	27	...	18	6	2	18	*71*	24·4	...	16·3	5·4	1·8	16·3	*64·2*	40·7	42	29	77·6	51·4	151
	Jamalpore... ...	7,456	6,107	13,563	6	8	*14*	23·0	30·7	*53·7*	75	...	...	8	1	..	3	*12*	...	..	30·7	3·8	...	11·5	*46·0*	61·3	5	7	34·9	59·6	58
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	23	20	*43*	17·5	15·3	*32·8*	115	4	..	18	2	...	7	*31*	3·0	...	13·7	1·5	...	5·3	*23·6*	29·0	16	15	23·3	28·4	99
Purneah ...	Purneah	8,463	6,553	15,016	2	1	*3*	6·9	3·5	*10·4*	200	...	..	8	...	...	1	*9*	...	...	27·7	...	..	3·5	*31·2*	24·2	7	2	43·0	15·9	270
Maldah ...	English Bazar .	6,289	6,141	12,430	2	3	*5*	8·4	12·5	*20·9*	66	...	..	9	3	...	2	*14*	...	...	37·7	12·5	...	8·4	*58·6*	62·8	7	7	57·9	59·3	97
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	2	2	*4*	13·0	13·0	*26·0*	100	...	...	5	...	...	2	*7*	...	...	32·5	...	...	13·0	*45·5*	13·0	6	1	62·9	17·1	367
Cuttack ...	Cuttack*																														
Poori ...	Poori	13,247	11,537	24,784	11	5	*16*	23·1	10·5	*33·6*	220	...	..	4	...	...	8	*12*	...	...	8·4	...	...	16·8	*25·2*	21·0	9	3	35·3	13·5	261
Balasore ...	Balasore	10,282	9,983	20,265	3	4	*7*	7·7	10·3	*18·0*	75	...	...	5	3	...	3	*11*	...	...	12·8	7·7	...	7·7	*28·2*	30·8	7	4	35·4	20·8	170
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	3	4	*7*	10·2	13·6	*23·8*	75	2	...	4	1	...	...	*7*	6·8	...	13·6	3·4	...	...	*23·8*	23·8	4	3	25·2	20·3	133
Lohardugga ...	Ranchi	10,101	8,342	18,443	1	3	*4*	2·8	8·5	*11·3*	33	...	...	4	2	...	2	*8*	...	...	11·3	5·6	...	5·6	*22·6*	31·0	...	8	...	49·9	No male death.
Singbhum ...	Chaibassa	3,126	2,880	6,006	2	...	*2*	17·3	...	*17·3*	No female birth.	...	...	2	...	1	...	*3*	...	...	17·3	...	8·7	...	*26·0*	17·3	1	2	16·6	36·1	45
Manbhum ...	Purulia	5,060	4,244	9,304	3	1	*4*	16·8	5·6	*22·4*	300	...	..	5	...	...	1	*6*	...	...	27·9	...	...	5·6	*33·5*	39·1	3	3	30·8	36·8	63
	Total ...	811,781	730,280	1,542,061	395	377	*772*	13·3	12·7	26·0	10·5	100	3	480	84	18	253	*938*	3·4	·1	16·2	2·8	·6	8·5	*31·6*	29·6	528	410	33·8	29·2	115

* Return not received up to date.

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	24	7	...	...	...	52·7	35·5	...	...	5	2	1	...	2	5	4	4	5	3	393 9	46·1	22·3	...	33·3	32·8	30·2	47·1	105·9	105·3
	Raniganj	...	3	...	...	...	...	17·5	..	...	...	1	...	...	...	...	1	1	...	...	..	221·3	...	...	...	...	21·5	24·2	...	...	...
Bankura ...	Bankura	1	6	...	...	...	1,589·4	19·0	...	...	...	3	..	...	...	...	1	1	1	...	1	329·8	...	...	...	...	15·8	19·7	28·5	...	52·4
Birbhum ...	Soori	...	3	2	...	...	...	26·7	52·2	...	...	1	...	...	...	1	1	1	1	...	...	298·9	...	...	...	67·4	36·8	42·6	59·0	...	...
Midnapore ...	Midnapore ...	...	10	2	...	...	...	20 1	14·4	...	...	...	...	2	...	...	...	1	2	5	2	...	...	27·7	...	...	...	9·4	27·9	126·0	56·8
Hughli, including Serampore.	Hughli and Chinsurah.	...	23	7	...	...	...	59·7	59·0	...	...	8	2	3	2	2	1	1	3	2	12	518·1	46·9	54 1	41·9	41·4	8·4	9·1	37·4	40·0	301·0
	Serampore ...	...	33	3	...	...	...	68·0	163·3	..	...	10	8	1	1	1	4	2	6	...	3	732·4	230·5	30·7	23·4	23·8	38·6	20·9	92·5	...	112·1
	Utterpara ..	...	2	...	...	..	...	19·5	...	...	..	1	...	1	...	...	...	...	...	...	...	323·0	...	111·6	...	...	...	...	...	...	...
Howrah ...	Howrah	...	23	12	...	1	...	17·6	30·4	...	215·8	6	4	2	2	...	5	6	3	3	5	151·2	37·5	16·5	15·8	...	11·5	16 2	13·3	28·4	69·3
	Bali	...	3	...	...	...	...	11·6	...	..	...	...	...	...	1	...	...	1	...	..	1	...	...	...	43·8	...	...	18·6	...	...	71·0
24-Pergunnahs.	Cossipore-Chitpore	...	12	10	...	...	...	34·2	66·0	...	...	3	2	2	1	...	5	4	1	...	4	326·4	117·9	132·7	20·6	...	27·3	38·5	20·8	...	444·4
	Manicktola ...	...	6	5	...	...	...	13·6	22·6	...	...	2	...	...	...	...	5	1	...	2	1	1,677·3	...	...	...	...	32·0	6·4	...	64·0	54·9
	Baranagore ...	...	13	7	...	...	...	26·2	87·8	...	...	3	7	4	...	2	1	1	...	...	2	230·4	177·3	83·4	...	45·4	8·1	8·9	...	...	62·1
	South Suburban*																														
Nuddea ...	Krishnagar ...	...	9	3	...	...	...	25·1	18·8	...	...	2	...	2	...	...	2	1	1	4	...	209·7	...	30·3	...	...	21·6	12·1	15·9	98·7	...
	Ranaghat	...	2	1	...	...	...	14·2	38·1	...	...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	...	34·5	...	...	71·8	91·4
	Santipore	...	3	...	...	...	...	7·5	...	...	...	...	...	...	...	1	1	...	1	...	...	...	...	...	...	23·4	10·6	...	14·8	...	...
Jessore ...	Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Murshedabad.	Berhampore ...	1	19	4	...	...	221·3	54·4	40·1	...	...	4	1	3	2	1	1	2	2	3	5	551·7	32·6	73·8	54·7	29·5	11·7	23·5	30·2	83·0	162·7
	City Murshedabad	...	10	12	...	...	...	22·9	39·4	...	...	5	4	1	...	...	3	2	2	4	1	340·8	84·5	15·1	...	...	21·3	14·3	17·3	58·6	16·8
Khulna ...	Khulna	...	1	...	...	..	...	16·3	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	48·5	...	...	...	...
Dinajpore ...	Dinajpore ...	...	4	6	...	...	...	34·3	48·7	...	...	1	1	1	1	2	2	2	...	...	...	252·4	60·2	41·5	52·0	102·4	38·6	42·0	...	...	...
Rajshahye ...	Rampore Beauleah	...	13	15	...	...	...	68·2	79·5	...	...	3	8	2	...	2	...	2	...	4	7	384·2	293·4	50·0	...	62·6	...	28·9	...	167·6	378·0
Rungpore ...	Rungpore ...	...	9	9	...	1	...	72·3	70·4	...	319·0	4	2	...	...	...	3	3	1	4	3	392·7	116·2	...	...	...	49·3	56·7	28·9	283·0	201·9
Bogra ...	Bogra	...	5	2	...	...	...	97·5	45·0	...	...	1	...	1	...	...	2	2	...	2	...	379·6	...	74·3	...	...	78·7	97·3	...	315·1	...

Pubna ...	Pubna ...	...	3	3	...	...	...	14·6	12·8	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...	...	126·9	17·9	...	...	...	...
	Serajganj* ...																														
Darjeeling ...	Darjeeling ...	...	11	...	...	...	...	124·5	...	...	...	1	4	1	...	...	1	1	...	...	3	429·8	323·5	88·9	...	...	26·0	36·3	...	...	323·1
Julpaiguri ...	Julpaiguri...	...	5	1	...	...	...	61·3	14·3	...	...	...	2	1	1	...	...	1	...	1	...	...	141·1	57·0	72·0	...	...	34·5	...	125·9	...
Dacca ...	Dacca ...	...	18	9	...	...	...	23·2	11·9	...	...	4	3	4	1	3	2	2	2	1	5	109·6	21·2	21·0	6·5	21·4	6·8	8·9	13·4	11·0	46·7
	Narainganj ...	...	9	...	...	...	...	74·0	...	...	...	3	...	...	...	2	...	2	...	...	2	559·1	...	...	...	99·5	...	46·6	...	...	159·5
Faridpore ...	Faridpore ...	...	3	3	...	...	...	29·2	32·1	...	...	...	2	2	...	1	...	...	...	...	1	...	83·4	103·8	...	73·7	...	...	...	...	70·2
Backerganj ...	Barisal ...	...	3	4	...	...	...	25·8	30·5	...	...	1	...	...	...	...	2	1	1	1	1	265·3	...	...	...	...	32·8	20·8	31·6	58·3	91·7
Mymensing ..	Nasirabad ...	...	1	1	...	...	...	6·8	7·3	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	17·8	29·5	...	...
Chittagong ...	Chittagong ...	...	...	3	...	...	...	...	10·2	...	...	1	1	...	...	...	1	...	...	...	...	92·4	26·4	...	...	...	11·2	...	...	...	...
Noakhali ...	Sudharam ...	...	1	2	...	...	...	20·3	41·1	...	...	...	...	...	...	...	...	...	...	1	2	...	...	...	...	...	...	...	...	164·6	525·3
Tipperah ...	Comillah ...	...	1	...	...	...	...	8·7	..	.	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	18·8	...	...	...	...
Patna ...	Patna City ...	2	57	18	...	...	283·0	24·9	22·9	..	...	15	11	7	7	4	5	5	7	6	10	181·0	39·2	21·6	25·3	18·6	9·0	11·2	19·3	22·1	37·7
	Behar ...	...	18	10	...	...	...	27·8	34·0	...	...	13	5	...	...	...	2	2	...	6	...	455·2	44·9	...	...	...	12·3	14·8	...	86·2	...
Gya ..	Gya ...	...	63	10	...	...	...	54·6	32·3	...	...	13	12	4	1	2	7	5	8	7	14	377·7	98·2	23·7	7·7	19·9	24·7	20·4	42·6	55·4	141·4
Shahabad ...	Arrah ...	...	14	7	...	...	...	23·5	29·3	...	...	2	6	4	1	2	1	1	1	2	1	80·7	70·4	40·5	11·8	33·0	6·6	8·1	11·1	33·6	18·0
	Buxar ...	...	6	4	...	...	...	22·4	57·9	...	...	2	2	2	...	...	...	1	1	1	1	250·6	60·4	50·7	...	...	...	17·1	24·5	47·2	48·1
Mozufferpore...	Mozufferpore ...	...	23	6	...	...	...	39·8	25·0	...	...	4	8	1	...	2	5	2	1	3	3	217·8	102·9	11·6	...	34·3	30·3	14·9	10·4	48·0	64·1
Durbhanga ...	Durbhanga ...	...	19	4	...	...	...	20·4	11·8	...	...	6	4	2	...	...	2	2	...	2	5	200·4	27·3	13·3	...	...	7·8	9·3	...	23·7	81·4
Sarun ...	Chupra ...	...	31	9	...	...	...	40·7	39·3	...	...	14	4	4	2	1	1	4	1	4	5	515·9	40·3	34·9	20·7	15·0	5·6	24·7	8·6	50·3	76·4
Chumparun ...	Motihari ...	...	19	3	...	...	...	69·1	56·3	...	...	3	1	1	1	...	1	1	1	3	1	1138·7	53·0	47·1	39·9	...	25·8	36·1	48·5	167·2	85·7
Monghyr ...	Monghyr ...	...	42	29	...	...	...	48·8	120·0	...	...	13	15	8	4	7	3	4	4	4	9	455·2	125·3	58·9	36·3	96·4	15·1	23·3	32·8	52·3	130·5
	Jamalpore ...	...	11	1	...	...	...	56·2	16·8	...	...	1	3	3	1	...	...	2	1	1	...	146·5	102·4	90·2	44·2	...	...	43·1	37·0	75·9	...
Bhagulpore ...	Bhagulpore ...	...	26	5	...	...	...	27·6	13·8	...	...	9	6	1	1	2	5	1	2	1	3	326·1	48·1	7·3	7·2	21·0	19·9	4·7	18·6	10·3	36·2
Purneah ...	Purneah ...	...	4	5	...	...	...	22·7	45·9	...	...	1	...	2	...	1	...	...	2	1	2	183·7	...	65·8	...	52·3	...	...	56·1	55·5	128·9
Maldah ...	English Bazar ...	...	7	7	...	...	...	50·1	70·7	...	...	3	3	2	...	...	1	...	...	1	4	525·8	163·9	69·3	...	...	22·6	...	...	69·5	295·9
Sonthal Pergunnahs.	Deoghur ...	...	7	...	...	...	...	47·2	...	...	...	1	...	...	...	...	...	2	1	...	3	400·0	...	...	...	...	...	64·8	55·5	...	408·4
Cuttack ...	Cuttack* ...																														
Poori ..	Poori ...	...	12	...	...	...	...	25·4	...	...	...	3	1	...	...	..	3	2	1	1	1	514·9	23·9	...	...	...	29·5	25·7	15·6	23·3	28·8
Balasore ...	Balasore ...	...	11	...	...	...	...	34·0	...	...	...	1	2	2	..	...	1	3	...	...	2	99·1	55·8	40·7	...	...	12·7	53·4	...	...	89·8
Hazaribagh ...	Hazaribagh ...	...	7	...	...	...	...	33·1	...	...	...	...	2	...	...	1	2	..	1	1	...	...	57·1	...	...	46·6	40·0	...	31·9	49·0	...
Lohardugga ...	Ranchi ...	...	4	1	...	3	...	22·6	9·6	..	66·1	2	3	1	1	...	...	...	1	...	...	221·3	84·7	23·5	25·7	...	...	...	26·6	...	...
Singbhum ...	Chaibassa ...	...	3	...	...	...	...	30·5	..	...	..	...	2	...	..	1	...	...	...	...	...	...	187·4	...	...	145·7	...	...	..	...	...
Manbhum ...	Purulia ...	...	6	...	...	...	...	40·0	...	...	...	...	...	...	...	2	...	...	2	2	...	...	...	...	...	135·3	...	...	117·8	222·2	...
	TOTAL .	4	6·7	252	.	5	17·9	32·6	29·6	...	56·8	179	143	78	31	48	92	83	67	89	128	262·3	56·4	35·8	11·6	21·5	15·3	16·4	19·1	42·4	72·6

* Return not received up to date.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 6th October 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 3rd October 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.		Week ending Saturday, the 3rd October 1891.			Week ending Saturday, the 4th October 1890.		
		Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
		No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	...	830	1,74,385	2,903	345	70,750	862
Jute ...	...	226	61,830	1,154	242	86,095	1,634
Firewood ...	...	96	65,100	969	136	74,475	989
Other articles ...	...	1,125	2,94,585	4,332	1,155	2,17,505	3,718
Total	...	2,277	5,95,900	9,358	1,878	4,48,825	7,203

BENGAL CENTRAL RAILWAY.

Abstract of principal commodities carried over the Bengal Central Railway during the month of July 1891, as compared with the same month of the previous year.

Staples.	1891.		1890.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal ...	1,231	.. ...	858	......	1,881*	1,210†	665	......
Cotton, raw ...	......	......	......	5	......	5	......	5
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles ...								
b.—In boxes ...								
2.—Indian—	271	......	271	......	271	271	......	......
a.—In bales and bundles ...								
b.—In boxes ...								
Grains—								
2.—Rice ...	4	119	14	50	123	64	59	......
5.—Others ...	53	17	44	15	70	59	11	......
Hides and skins—								
1.—Hides of cattle—								
a. Dressed ...								
b.—Undressed ...								
2.—Skins of sheep, &c.—	......	11	......	23	11	23	......	12
a.—Dressed ...								
b.—Undressed ...								
Jute—								
1.—Raw—								
b.—Unscrewed ...	10	53	......	47	63	47	16	......
2.—Gunny-bags and cloth ...	10	11	3	1	21	4	17	......
Metals—								
1.—Copper, unwrought ...								
2.—Brass, unwrought ...								
3.—Brass and copper, wrought ...	52	6	80	7	58	87	......	29
4.—Iron ...								
5.—Tin ...								
6.—Others ...								
Oils—								
2.—Kerosine ...	148	......	146	......	148	146	2	......
3.—Others ...	140	......	182	......	140	182	......	42
Oil-seeds—								
1.—Linseed ...								
2.—Rape and mustard ...								
3.—Til or gingelly ...								
4.—Niger ...	106	663	152	313	769	465	304	......
5.—Castor ...								
6.—Poppy ...								
7.—Others ...								
Provisions—								
2.—Betelnuts ...	......	844	......	638	844	638	206	......
3.—Others ...	23	6	34	12	29	46	......	17
Railway plant and rolling-stock ...	......	......	......	......	108*	115*	......	7
Salt ...	329	......	426	......	329	426	......	97
Sugar—								
1.—Drained ...	24	395	39	153	419	192	227	......
2.—Undrained ...								
Tobacco ...	83	25	30	38	108	68	40	......
All other articles of merchandise—								
1.—Unmanufactured ...	455	821	1,777	463	1,276	2,240	......	964
2.—Manufactured ...								
Total ...	2,939	2,071	4,056	1,765	6,668	6,294	1,547	1,173

* Includes 650 tons carried for Revenue for which no "Up" and "Down" register maintained.
† Includes 358 tons for above in previous year for which no "Up" and "Down" register maintained.
‡ Railway plant and rolling-stock 108 tons and 115 tons for the years 1891 and 1890, respectively, for which no "Up" and "Down" register maintained.

Comparative statement of the principal commodities carried over the Bengal Central Railway during the month of July 1891.

The increases and decreases are due to ordinary fluctuations of traffic and call for no special remarks.

P. D. Barclay,
Traffic Superintendent.

Calcutta, *the 24th September* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 26th September 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	250,406	2,67,250 0 0	24,33,702 10	5,48,473 7 9	14,700 10 0	8,30,424 1 9	70,787½	89,730	160,517½
Or per mile of railway	......	175 3 0	.....	359 8 7	9 10 2	544 5 9	......	......	....
For previous 12 weeks of half-year	2,876,298	28,64,026 2 0	2,59,05,276 10	62,15,978 5 3	1,67,218 11 0	92,47,223 2 3	832,219½	1,087,102½	1,919,322
Total for 13 weeks ...	3,126,704	31,31,276 2 0	2,84,.9,068 20	67,64,451 13 0	1,81,919 5 0	1,00,77,647 4 0	903,007½	1,176,832½	2,079,839½
Comparison.									
Total for corresponding week of previous year	254,086	2,65,350 3 2	22,20,891 20	4,49,511 2 9	16,164 5 8	7,31,025 11 7	64,048	76,547	140,595
Per mile of railway corresponding week of previous year ...	......	173 15 1	......	294 10 8	10 9 6	479 3 3	......	......	.....
Total to corresponding date of previous year	2,892,909	28,68,693 15 6	2,39,93,856 0	52,91,241 4 11	2,08,891 4 8	83,68,826 9 1	807,300	981,006	1,788,306

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for the week ended 26th September 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	22,947	14,170 10 0	36,583 20	2,569 12 0	46 0 0	16,786 6 0	1,768	626	2,394
Or per mile of railway	401	247 11 10	639 30	44 14 10	0 12 10	293 7 6	.....	......	......
For previous 12 weeks of half-year	118,358	57,808 15 0	5,85,925 20	36,776 5 0	468 0 0	95,053 4 0	12,473	8,358	20,831
Total for 13 weeks ...	141,305	71,979 9 0	6,22,509 0	39,346 1 0	514 0 0	111,839 10 0	14,241	8,984	23,225
Comparison.									
Total for corresponding week of previous year	21,992½	13,170 1 0	31,196 0	2,268 14 0	27 10 0	15,466 9 0	1,216	608	1,824
Per mile of railway corresponding week of previous year ..	384½	230 3 11	545 20	39 10 8	0 7 9	270 6 4	.....	......	......
Total to corresponding date of previous year	132,637½	68,445 0 3	4,06,906 10	26,030 0 0	421 13 0	94,896 13 3	13,490	7,182	20,672

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for the week ended 26th September 1891, on 22¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,390	3,669 6 0	6,271 10	278 4 0	7 0 0	3,954 10 0	894	218	1,112
Or per mile of railway	......	161 14 8	......	12 8 1	0 5 0	177 11 9	......	......	......
For previous 12 weeks of half-year	205,046	49,048 10 0	63,190 20	2,201 1 0	126 0 0	51,375 11 0	10,529	957	11,486
Total for 13 weeks ...	219,436	52,718 0 0	69,461 30	2,479 5 0	133 0 0	55,330 5 0	11,423	1,175	12,598
Comparison.									
Total for corresponding week of previous year	15,650½	3,843 1 9	5,656 0	207 15 0	4 3 0	4,057 3 9	915	53	968
Per mile of railway corresponding week of previous year ...	......	172 13 0	......	9 5 7	0 3 0	182 5 7	......	......	......
Total to corresponding date of previous year	211,921	50,803 10 8	60,701 10	2,194 7 0	60 7 3	52,997 6 11	11,728	570	12,298

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 26th September 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,562	12,255 7 0	41,077 30	7,357 2 0	61 0 0	19,673 9 0	6,871	1,336¼	8,207¼
Or per mile of railway	......	75 10 5	......	45 6 8	0 6 0	121 7 1	......	......	......
For previous 12 weeks of half-year	166,549	1,14,394 13 0	4,50,431 0	81,345 3 0	635 0 0	1,96,375 0 0	68,208¾	16,449¾	84,658½
Total for 13 weeks ...	179,111	1,26,650 4 0	4,91,508 30	88,702 5 0	696 0 0	2,16,048 9 0	75,079¾	17,786	92,865¾
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for the week ended 19th September 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	139,049	64,030 0 0	8,31,110 0	2,14,080 0 0	9,920 0 0	2,88,030 0 0	26,050	41,596	67,646
Or per mile of railway	179	82 0 0	1,070 0	276 0 0	†1 0 0	359 0 0	......	......	......
For previous 11 weeks of half-year*	1,654,155	6,88,558 0 0	60,66,108 0	13,63,668 0 0	1,24,332 0 0	21,76,558 0 0	284,600	342,072	626,672
Total for 12 weeks ..	1,793,204	7,52,588 0 0	68,97,218 0	15,77,748 0 0	1,34,252 0 0	24,64,588 0 0	310,650	383,668	694,318
Comparison.									
Total for corresponding week of previous year	122,295	56,201 0 0	6,44,269 0	1,91,973 0 0	13,913 0 0	2,62,087 0 0	21,878	32,826	54,704
Per mile of railway corresponding period of previous year ...	160	74 0 0	844 0	252 0 0	†1 0 0	327 0 0	......	......	......
Total to corresponding date of previous year	1,624,896	6,55,134 0 0	68,39,435 0	15,80,605 0 0	1,75,016 0 0	24,10,755 0 0	283,619	36,4433	648,052

* Audited up to week ending 8th August 1891.
† Excluding steamer earnings.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 26th September 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	150,392	75,060 0 0	9,66,745 0	2,50,050 0 0	21,930 0 0	3,47,040 0 0	26,050	43,000	69,050
Or per mile of railway	194	97 0 0	1,244 0	322 0 0	†10 0 0	429 0 0	......	......	......
For previous 12 weeks of half-year*	1,785,608	7,49,786 0 0	69,75,169 0	15,69,928 0 0	1,31,683 0 0	24,51,307 0 0	310,650	383,891	694,541
Total for 13 weeks ...	1,936,000	8,24,846 0 0	79,41,914 0	18,19,978 0 0	1,53,613 0 0	27,98,447 0 0	336,700	426,891	763,591
Comparison.									
Total for corresponding week of previous year	180,503	61,977 0 0	8,30,735 0	1,99,075 0 0	26,643 0 0	2,87,695 0 0	20,935	36,010	56,945
Per mile of railway corresponding period of previous year ...	171	81 0 0	1,089 0	261 0 0	†11 0 0	353 0 0	......	......	......
Total to corresponding date of previous year	1,755,489	7,17,111 0 0	70,70,170 0	17,79,680 0 0	2,01,659 0 0	26,98,450 0 0	304,554	400,443	704,997

* Audited up to week ending 22nd August 1891.
† Excluding steam-boat earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for the week ended 19th September 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	24,610	8,360 0 0	71,507 0	6,070 0 0	1,270 0 0	15,700 0 0	3,232	2,450	5,672
Or per mile of railway	197	67 0 0	573 0	49 0 0	10 0 0	126 0 0	......	......	......
For previous 11 weeks of half-year *	292,307	94,563 0 0	4,39,106 0	32,143 0 0	2,031 0 0	1,28,737 0 0	41,630	18,665	60,304
Total for 12 weeks ...	316,916	1,02,923 0 0	5,10,703 0	38,213 0 0	3,301 0 0	1,44,437 0 0	44,861	21,115	65,976
COMPARISON.									
Total for corresponding 12 days of previous year	19,004	6,060 0 0	13,127 0	500 0 0	46 0 0	6,606 0 0	2,526	1,004	3,530
Per mile of railway corresponding period of previous year ...	152	49 0 0	105 0	4 0 0	......	53 0 0	......	......	......
Total to corresponding date of previous year	292,152	90,593 0 0	4,05,182 0	28,956 0 0	2,318 0 0	1,21,867 0 0	41,431	20,377	61,808

* Audited up to week ending 8th August 1891.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 26th September 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	25,655	9,580 0 0	76,893 0	6,540 0 0	450 0 0	16,570 0 0	3,222	2,450	5,672
Or per mile of railway	205	77 0 0	615 0	52 0 0	4 0 0	133 0 0	..	......	......
For previous 12 weeks of half-year	313,614	1,02,517 0 0	5,12,487 0	38,352 0 0	3,257 0 0	1,44,126 0 0	44,405	21,571	65,976
Total for 13 weeks ...	339,299	1,12,097 0 0	5,89,380 0	44,892 0 0	3,707 0 0	1,60,696 0 0	47,627	24,021	71,648
COMPARISON.									
Total for corresponding week of previous year	21,693	7,010 0 0	59,830 0	5,655 0 0	47 0 0	13,312 0 0	5,298	3,314	8,612
Per mile of railway corresponding period of previous year ...	174	61 0 0	479 0	45 0 0	1 0 0	107 0 0	..	....	......
Total to corresponding date of previous year	313,845	98,203 0 0	4,05,062 0	34,611 0 0	2,365 0 0	1,35,179 0 0	44,720	22,691	67,420

* Audited up to week ending 22nd August 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for the week ended 19th September 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	15,213	5,370 0 0	25,960 0	1,820 0 0	170 0 0	7,360 0 0	2,504	930	3,734
Or per mile of railway	177	62 0 0	302 0	21 0 0	2 0 0	85 0 0	......	......	......
For previous 11 weeks of half-year	182,981	56,160 0 0	1,21,812 0	8,940 0 0	1,690 0 0	66,790 0 0	20,197	8,397	37,694
Total for 12 weeks ...	198,194	61,530 0 0	1,47,772 0	10,760 0 0	1,860 0 0	74,150 0 0	32,001	9,327	41,328
COMPARISON.									
Total for corresponding week of previous year	13,648	4,180 0 0	12,006 0	1,165 0 0	103 0 0	5,453 0 0	2,414	690	3,104
Per mile of railway corresponding period of previous year	150	49 0 0	140 0	13 0 0	1 0 0	63 0 0	......	......	......
Total to corresponding date of previous year	176,624	54,190 0 0	1,42,511 0	11,905 0 0	3,016 0 0	70,011 0 0	28,334	8,718	37,052

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 26th September 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,610	5,650 0 0	23,519 0	1,950 0 0	150 0 0	7,750 0 0	2,804	930	3,734
Or per mile of railway	181	66 0 0	273 0	22 0 0	2 0 0	91 0 0	.	....	.....
For previous 12 weeks of half-year	198,194	61,530 0 0	1,47,772 0	10,760 0 0	1,860 0 0	74,150 0 0	32,001	9,327	41,328
Total for 13 weeks	213,804	67,180 0 0	1,71,291 0	12,710 0 0	2,010 0 0	81,900 0 0	34,805	10,257	45,062
Comparison.									
Total for corresponding week of previous year ..	15,547	5,162 0 0	33,480 0	2,532 0 0	449 0 0	8,143 0 0	2,499	743	3,182
Per mile of railway corresponding period of previous year...	181	60 0 0	389 0	29 0 0	5 0 0	94 0 0	.....	......	......
Total to corresponding date of previous year	192,171	59,352 0 0	1,75,907 0	14,437 0 0	4,365 0 0	78,154 0 0	30,743	9,461	40,204

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 19th September 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,958	1,110 0 0	22,791 0	1,170 0 0	20 0 0	2,300 0 0	570	630	1,200
Or per mile of railway	109	40 0 0	836 0	43 0 0	1 0 0	84 0 0	......	......	.....
For previous 11 weeks of half-year*	33,119	12,197 0 0	1,07,038 0	5,489 0 0	190 0 0	17,876 0 0	5,745	5,061	10,806
Total for 12 weeks ...	36,077	13,307 0 0	1,29,819 0	6,659 0 0	210 0 0	20,176 0 0	6,315	5,691	12,006
Comparison.									
Total for corresponding week of previous year	2,620	854 0 0	3,853 0	245 0 0	11 0 0	1,110 0 0	546	949	1,495
Per mile of railway corresponding week of previous year ...	96	31 0 0	141 0	9 0 0	1 0 0	41 0 0	......	......	......
Total to corresponding date of previous year	34,187	12,027 0 0	90,185 0	4,826 0 0	192 0 0	17,045 0 0	6,350	6,405	12,755

* Audited up to week ending 8th August 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 26th September 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs.	Rs.	Rs.			
Total traffic for the week ...	2,780	890 0 0	17,285 0	900	20	1,810	520	720	1,240
Or per mile of railway	102	32 0 0	634 0	33	1	66	......	......	......
For previous 12 weeks of half-year*	35,736	13,297 0 0	1,28,926 0	6,628	198	20,123	6,241	5,711	11,952
Total for 13 weeks ...	38,516	14,187 0 0	1,46,211 0	7,528	218	21,933	6,761	6,431	13,192
Comparison.									
Total for corresponding week of previous year	2,858	962 0 0	23,371 0	1,178	11	2,151	546	810	1,356
Per mile of railway corresponding period of previous year ...	105	36 0 0	858 0	43	......	79	......	......	......
Total to corresponding date of previous year	37,045	12,989 0 0	1,13,556 0	6,004	203	19,196	6,896	7,215	14,111

* Audited up to week ending 22nd August 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY.)

Approximate Return of Traffic for the week ending 19th September 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	78,610	30,710	2,23,840	26,570	7,900	65,180	12,075	12,722	24,707
Or per mile of railway	109·03	42·59	310·46	36·85	10·96	90·40	......	...	......
For previous 10¾ weeks of half-year	869,580	3,47,640	32,03,260	3,90,520	84,970	8,23,130	120,305	153,280	273,500
Total for 11¾ weeks ...	948,190	3,78,350	34,26,100	4,17,090	92,870	8,88,310	132,380	166,007	298,387
Comparison.									
Total for corresponding week of previous year on 601 miles open	a 66,182	25,518	a 2,58,204	27,730	5,793	59,071	7,863	8,000	15,863
Per mile of corresponding week of previous year	95·78	36·97	373·67	40·13	8·38	85·48	......	.....	......
Total to corresponding date of previous year	a 854,533	3,00,317	a 30,13,001	3,42,028	73,176	7,16,121	131,985	135,018	267,003

a Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.						Tirhoot State Railway.					
	Week ending 19th September 1891.			Week ending 20th September 1890.			Week ending 19th September 1891.			Week ending 20th September 1890.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Coaching ...	10,050	0	0	12,043	0	0	11,660	0	0	13,505	0	0
Goods	12,370	0	0	11,558	0	0	14,200	0	0	16,172	0	
Other earnings	4,440	0	0	3,815	0	0	3,460	0	0	1,978	0	0
Total ..	32,860	0	0	27,416	0	0	32,320	0	0	31,655	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 29th August 1891	12,143	0	0
Corresponding period of 1890	12,359	0	0
Decrease	216	0	0
	Rs.	A.	P.
Receipts per mile for week ending 29th August 1891...	338	1	7
Corresponding period of 1890	342	5	5
Decrease	4	3	10
Receipts from 1st July to 29th August 1891	92,636	0	0
Corresponding period of 1890	66,128	0	0
Increase	26,508	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 5th September 1891	10,977	0	0
Corresponding period of 1890	10,963	0	0
Increase	14	0	0
Receipts per mile for week ending 5th September 1891	215	3	9
Corresponding period of 1890	214	15	4
Increase	0	4	5
Receipts from 1st July to 5th September 1891	1,03,613	0	0
Corresponding period of 1890	77,091	0	0
Increase	26,522	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 12th September 1891	10,085	0	0
Corresponding period of 1890	12,381	0	0
Decrease	2,296	0	0
Receipts per mile for week ending 12th September 1891	197	11	11
Corresponding period of 1890	242	12	3
Decrease	45	0	4
Receipts from 1st July to 12th September 1891	1,13,698	0	0
Corresponding period of 1890	89,472	0	0
Increase	24,226	0	0

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CONTENTS.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE CHOTA NAGPORE DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS No. 1323.

Darjeeling, the 8th October 1891.

READ—

The General Administration Report of the Chota Nagpur Division for the year 1890-91.

The report is submitted by Mr. Grimley who was Commissioner of the division throughout the year. Colonel Garbett, Colonel Lillingston, and Mr. Renny held charge of the Hazaribagh, Lohardugga, and Singbhum, districts, respectively, for the whole year. Mr. Baker had care of the Manbhum district for two periods, viz., from the 1st April to the 30th June 1890, and again from 7th December to the end of the official year; while Mr. Bedford filled up the interval. All these officers have considerable local knowledge of the division which in some respects presents peculiar difficulties owing to the character of the population. Of the three sub-divisions, one, Giridih, was under three officers, and each of the others, Palamow and Govindpur, under two officers during the year.

Tours.

2. The Commissioner was altogether 126 days in camp, of which 65 days were spent in the Tributary Mehals. He should arrange to visit each of the important States as often as he conveniently can, consistently with the requirements of the rules

regarding the inspection of districts and district offices. None of the sub-divisions within the Chota Nagpur Division were inspected by him during the year, nor (as appears on reference to previous reports) have they been inspected by a Commissioner since 1887-88, in which year Mr. Stevens visited all the sub-divisions except Palamow, which he had inspected during the preceding year. The narrative of the Commissioner's tour is interesting, but it would have been more to the purpose had it contained more useful information regarding the quality of the work done in the criminal, revenue, and civil courts, and the state of the offices. The three sub-divisional offices and treasuries were inspected once instead of twice during the year by their respective Deputy Commissioners. This is not satisfactory. Close inspection of every court and office should be looked on as one of the chief securities for the maintenance of a high standard of administration. The District as well as Sub-divisional Officers appear to have made useful tours, except the Sub-divisional Officer of Giridih, whose presence at head-quarters, it is stated, was frequently required for census work. There is an inconsistency in the explanations offered that census work should have required more out-door work from the other officers, while difficulties of an opposite character were experienced by the Sub-divisional Officer of Giridih. In a division so favourably adapted for camping, where contact with the people is specially important and office work is less absorbing than elsewhere, Sir Charles Elliott hopes that in future the District Officers will not limit their tours to the minimum required to satisfy the rules of Government.

Weather, crops, public health, and condition of the people.

3. The weather was on the whole favourable to the crops, though the rainfall was unevenly distributed, there being heavy and continuous rains during the monsoon, excessive rain in July, and a complete cessation from the 18th October till the 23rd January, followed by very severe hail and rain in March. Under these conditions the *bhadoi* crops were more or less injured throughout the division, while the winter rice was everywhere good. A certain amount of pressure appears to have been felt for a time only in the Palamow sub-division, where, in addition to the deficient crops of the previous year, the outturn of *rabi* crops generally and especially of *mohua*, which forms the staple food of the poorer classes, was very much below the average of previous years. With regard to the special crops, the most important among them, namely, sugarcane, was an excellent crop, while the less important crops, viz., tobacco, cotton and jute, were rather below the average. The outturn of lac in Manbhum was an extraordinarily good one. The price of rice and other winter crops was lower than during the previous two years in Hazaribagh and Manbhum, but slightly higher in the Lohardugga and Singbhum districts, for which no other cause can be assigned than the opening of the Bengal-Nagpur Railway, which does not seem to have as yet affected prices in Manbhum, perhaps because that district had, even previous to the opening of the Bengal-Nagpur Railway, a fair amount of export trade through the East Indian Railway stations on its borders—Sitarampur, Raniganje, and Assensole. The Bengal-Nagpur Railway, which was formally opened by His Excellency the Viceroy in person on the 3rd March last, but had been in working through the Chota Nagpur Division partially since December, 1889, as well as the extraordinary development of mining speculation, appears already to have effected an appreciable rise in the wages of unskilled labour throughout the division, and a marked diminution in the number of emigrants which fell off from 24,730 in 1889-90 to 10,066 during the year of report. There has been engendered among a portion of the Kol population, a strong desire, leading in the preceding year to a certain amount of violent agitation, for emancipation from the peculiar system of predial services which obtains over a great portion of Chota Nagpur. Recommendations for the commutation of these services into a money rent, as also for the extension of the Bengal Tenancy Act to Chota Nagpur in place of the existing law, Act I (B.C.) of 1879, have been laid before the Government of India, whose orders on the subject have recently been received.

Statistics regarding public health are only of relative value in this division, as in the rest of the province. The "Ardhodaya Joga" appears to have been the cause of an outbreak of cholera in Purulia and certain other parts of Manbhum. Influenza also prevailed more or less throughout the division, though in a mild

form. In other respects the year was healthier than the two which directly preceded.

Trade, commerce, manufacture, and mines.

4. The principal articles of manufacture in the division are lac in Lohardugga and Manbhum, tea in Hazaribagh and Lohardugga, tussur silk in Hazaribagh, Lohardugga, and Manbhum, indigo in Manbhum only, and catechu in Hazaribagh. The imports consist mostly of piece-goods. The total value of the outturn of all the articles above named was Rs. 7,56,859, against Rs. 6,48,032 in 1889-90 and Rs. 4,04,594 in 1888-89. The exports of rice and oilseeds in Manbhum are said to have exceeded those of the previous year by 70 per cent., and in Singbhum by 48 per cent. in value. The value of imports in Manbhum (of piece-goods), however, rose only by 11 per cent., but in Singbhum it is stated to have risen by 23 per cent., while in Lohardugga the imports are said to have risen to 2,69,960 maunds against 9,960 during the previous year. Much of the increase in the figures is, however, apparently due to the concentration of trade routes and of registration within the division by the Bengal-Nagpur Railway, which render impossible any intelligent comparison with the figures of previous years. The figures for the next year will, it is hoped, be more trustworthy for purposes of comparison, as their basis will be the same as the current year's figures.

Negotiations are now pending for the settlement of the Jheriah and Pandra coal fields in Manbhum. The yield of the Baragunda Copper Mines was 305 tons against 320 and 217, respectively, in the two preceding years. The output of mica from the Koderma Government Estate in Hazaribagh rose to 2,209 maunds against 1,499 maunds in the previous year. No reliable evidence of the existence of lead, silver or gold in paying quantities has yet been found, though a few companies and individuals appear still to be prospecting with perseverance. The extraordinary excitement which prevailed at one time, and formed a marked feature in the prospects of the division, seems to have generally subsided.

Crime, police and criminal justice.

5. The total number of cognizable cases fell from 7,337 in the preceding year to 6,848. The percentage of cases convicted to cases reported rose from 44 to 47, and the ratio of persons convicted to persons sent up for trial was 56 against 58. The number of non-cognizable cases rose from 3,121 to 3,491, and the percentage of convictions to institutions was slightly higher than during the previous year. The total number of cases dealt with in the Courts was 7,588 against 7,000 in the preceding year, the number of persons brought before the Courts being 11,761 against 11,562 in 1889. The increase in the number of cases is due to offences against property, miscellaneous offences under the Penal Code, offences against the Excise and Opium Acts, under the Arms Act, under the Municipal Act, and section 34 of Act V of 1861, and other special and local laws. The Lieutenant-Governor regrets to learn that there was an increase in the number of offences against public tranquillity in the Palamow sub-division, and that the Police were remiss in taking timely notice of these cases, which in this sub-division are generally connected with the crops. The total absence of a record of rights and the unsettled habits of the people are prolific causes of disputes regarding crops in the Chota Nagpur Division, but this is only an additional reason for taking prompt measures to prevent such disputes from terminating in a breach of the peace.

The ghatwali police are special features of the division. They are sometimes, it appears, paid in cash but generally receive service lands, and a scheme for the resumption of these lands and the reorganization of the ghatwals on the same lines as the rural police of the rest of the Province is under the consideration of Government. The ghatwals of Hazaribagh, Lohardugga, and Singbhum are reported to have worked well, though of the Manbhum ghatwals Mr. Baker says: "While the task of exacting their worthless so-called services imposes a good deal of work on the regular police and the District Magistrate, the difficulty of dealing with their service lands is fast increasing."

Civil Justice.

6. The institutions of regular suits fell off from 5,419 to 5,365, or 1 per cent., and of rent suits from 5,176 to 5,156. The number of regular suits disposed of

increased, by 17, from 5,337 to 5,354. A comparison of these figures would not lead to the supposition that arrears can be increasing. In regular appeals alone there are symptoms of inability to keep pace with the work, as the number disposed of was 273 against 468 instituted. The work done by the Judicial Commissioner is not shewn separately in this report, as it was shewn previously. The statistics given are not sufficient of themselves to bear out the complaint urged by three of the Deputy Commissioners, and supported by the Commissioner, that the civil work is overwhelming, and that more assistance is required. A special report will be asked for from the Commissioner on this subject.

Land revenue.

7. The total current land revenue demand of the division is Rs. 3,82,684 due from 466 estates, of which only 149 are permanently settled. The collections of the current demand were over 98 per cent, and the total arrear was less than Rs. 10,000, of which over Rs. 3,000 have been or will be remitted. For part of the remaining default the curious explanation is given "that the occurrence of the Fasli leap-year prevented its realization before the close of the official year." The collections of Road and Public Works cesses in Manbhum and Hazaribagh were discreditably low, being only 82 per cent of the current demand in the latter and 86 per cent. in the former. The explanation given is the stereotyped one that part of the balance was due on the 28th March. This explanation applies equally to the preceding year when the joint arrear of these districts was only about Rs. 11,000: it has now risen to Rs. 38,000. Revaluation has been going on in two districts, Hazaribagh and Lohardugga, for two years, and should be pushed to a conclusion. It is expected to produce a considerable increase.

Encumbered estates.

8. Fifty-seven encumbered estates are managed by the District Officers under the provisions of the Special Act VI of 1876. The total current demand is Rs. 3,71,862, all of which was collected, though hardly any impression was made on the large volume of arrears—about 3¼ lakhs. Out of these collections, debts to the amount of Rs. 2,40,709, were paid off, and the total indebtedness at the end of the year was reduced to Rs. 12,40,460. These results are very favourable to the indebted proprietors.

Miscellaneous revenue

9. The Excise revenue in the division is derived principally from the sale of licenses for outstills. The distillery system is in force in only a small area in the Giridih subdivision. In spite of a reduction in the number of shops and an increase in the minimum price of liquor, the total Excise revenue rose from Rs. 5,67,233 in 1889-90 to Rs. 6,65,411 in the year of report. This increase is attributed to the generally good harvests. There was a decrease of Rs. 5,728 or 2·1 per cent. in the revenue from judicial stamps, compensated by an increase of Rs. 13,511 or 16·5 per cent. in that from non-judicial stamps, the net increase being Rs. 7,783. There was a substantial increase in the demand for income-tax in Manbhum on account of the assessment of profits due to concessions of mining rights. The total demand for the whole division rose from Rs. 88,304 to Rs 92,193.

Communications.

10. The opening of the Bengal-Nagpur Railway marks an epoch in the economic condition of this division. Attention may very profitably be now directed to the construction of feeder roads to foster the development which might be expected from the railway. Provincial funds are being largely spent on the main roads from Ranchi to Purulia and from Ranchi and Chyebassa to Chakardarpur, both stations on the railway; and Sir Charles Elliott hopes that the District Boards will now actively engage in constructing cheap feeder roads to the different railway stations within their jurisdiction. In Manbhum three such roads have been constructed with a total length of 7 miles, while in Singbhum a commencement has been made by starting a new road between Chyebassa and Amda, the nearest station on the railway.

Education.

11. The statistics regarding education furnish several noticeable features. The population of Hazaribagh, Lohardugga, Manbhum and Singbhum, respectively, according to the last census, is 1,162,483, 1,746,655, 1,193,255, and 675,653. Manbhum, however,

heads the list in point of the number of Government aided schools, but the total number of pupils of both sexes and all races is very nearly the same in all the districts, with a slight preponderance in favour of Lohardugga. The percentage of the number of pupils to the total population in each of the districts is 1·3 in Hazaribagh, less than 1 in Lohardugga, 1·2 in Manbhum, and above 2 in Singbhum. Singbhum also heads the list in the number of its female schools as well as in the number of female pupils. The classification of the pupils by races shows that 38,739 returned themselves as Hindus, and only 17,166 as aborigines. The cost of the 50,528 pupils to Government was Rs 1,34,756, or Re. 1-10-8 per head, while to the 3,680 children in mission schools a grant of Rs. 9,069 was given, or Rs. 2-7-5 per head. The attention of the Director of Public Instruction will be drawn to this discrepancy.

Local Self-Government institution.

12. The Local Self-Government Act III (B.C.) of 1885 is not in force in the Chota Nagpur Division. The record of attendance in municipal meetings shows a generally fair average, except in the Lohardugga district, where a gradual decadence is observed. The attendance in Road Committees was poor everywhere. In Hazaribagh it is said that "the members of the District Road Committee in and about the town took more interest in the working of the Act than those living in the interior of the district." "In Lohardugga the attendance of the non-official members is reported to have been very unsatisfactory, inasmuch as out of nine non-officials, three attended only two meetings and two failed to attend any meetings." "In Manbhum the District Road Committee regularly met almost once a month, but rendered very little assistance to the District Officer." Mr. Baker writes: "The gentlemen who form the Committee are for the most part residents of Purulia (the district head-quarters). They have their own business to attend to here, and have little or no knowledge of the interior of the district. They, therefore, seldom make useful suggestions regarding works of which they know nothing. The actual work is thus practically left to the District Engineer and the Deputy Commissioner." Such a state of things is much to be regretted, as it shows a want of appreciation on the part of the people of the desire of Government to foster Local Self-Government to useful ends.

Conduct of zemindars.

13. The conduct of the zemindars in regard to Government is reported to be excellent: they are described by the Commissioner as being all loyal and faithful subjects. Special mention is made of the Thakurai Bhagwat Dyal Sing of Lohardugga as being the most enlightened and as taking an intelligent interest in all public matters. The relations between the zemindars of Lohardugga and their Kol tenants are reported to be anything but satisfactory owing to oppressive exactions on the part of the former, while in Manbhum Messrs. Watson and Company, the ijardars of the Burrabhum Estate, are said to be unpopular on account of their determined though apparently not very remunerative efforts to grow indigo against the will of the raiyats. The Rajah of Pachete has paid up the balance of his promised contribution of Rs. 5,000 to the Purulia Municipality for the better supply of water to the town.

14. The thanks of the Lieutenant-Governor are due to Mr. Grimley, the Commissioner, for his administration of the division during the year. Sir Charles Elliott also notices the favourable reports which the Commissioner gives of three out of the four Deputy Commissioners in the Division. The remarks of the Commissioner and the Deputy Commissioners on the various officers employed in the division during the year will be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE GENERAL ADMINISTRATION REPORT OF THE ORISSA DIVISION FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—MISCELLANEOUS No. 1324.

Darjeeling, the 8th October 1891.

READ—

The General Administration Report of the Orissa Division for the year 1890-91.

The Orissa Division was administered throughout the year by Mr. Worsley, who took furlough soon after its close. The report is submitted by his successor, Mr. Toynbee, who explains that, owing to his absence at Keonjhur in connection with the disturbances, he has been unable to give it his full personal attention. Under the circumstances, the Lieutenant Governor would have been willing to allow time for its preparation, as he is anxious that these reports should represent the Commissioner's own views and contain a complete account of the administration.

Tours and inspection.

2. Mr. Worsley's tour occupied 100 days and extended over nearly every month of the year. He appears to have inspected the head-quarters of Puri and Balasore and the subdivisions of Tajpur, Bhadrak and Kendrapara, omitting that of Khurda as well as Angul and the Khondmals. Of the Tributary States, he visited Athgarh and Dhenkenal alone. His inability to visit all these States is much to be regretted. The recent disturbance in Keonjhur and the complaints against the Raja's administration show how necessary it is for the Superintendent to maintain a close and careful supervision over the Tributary States. All the district officers spent sufficient time in camp, and were usefully employed in inspecting all the subdivisions and many of the thanas, and Sir Charles Elliott hears with pleasure that the existence of so many bungalows in the three districts renders it comparatively easy for them to be out at all seasons. The subdivisional officer of Jajpore failed, owing to ill-health, to tour for the prescribed period. It is not stated whether the Commissioner inspected the Puri office and treasury during the month he spent there. Otherwise the inspections in this division were sufficiently frequent, and His Honour trusts that they were thorough.

Crops and the public health.

3. The province recovered to some extent the prosperity which was wanting in the previous year. The divisional average of rainfall exceeded that of the last two years. Only in the Puri district was it less than last year according to the figures, but still it was above the average, producing a 16-anna rice crop. The outturn of the principal crops showed an improvement corresponding to the rainfall, represented in annas, as follows :—

	1888-89.	1889-90.	1890-91.
Wheat	11	6	8
Pulses	11⅓	9⅓	11⅓
Rice ...	9½	12½	12

In Cuttack and Puri the people reaped the benefit of a fairly good harvest, accompanied by a brisk export trade in rice. In Balasore the relief operations were closed in October 1890, at a total cost to Government of Rs. 1,750. The average price of rice in the division has varied from 19 seers 12 chittacks the rupee in 1888-89 to 17 seers 15 chittacks in 1889-90 and 19 seers 8 chittacks in 1890-91. The demand for exportation kept up the price higher than might have been expected after the previous good harvest, which had replenished the granaries of the province.

There was also, on the whole, a marked change for the better in the public health. Though the deaths from fever increased somewhat, the mortality from cholera fell from 48,122 to 6,847. With regard to the sanitation of Puri, the Collector's remarks may be quoted :—

"This year again there has been a great fall from 20,342 to 1,791, but it must be ascribed to circumstances beyond our control. So long as pilgrims are compelled in the name of religion to bathe in tanks whose contents have been proved to be little better than liquid sewage, and to eat holy food in a state of putrefaction, the efforts of the Health Officer can effect no real good. As Mr. Duke said last year in his annual report, while the food and the drink of the place are not controlled, other measures for the prevention and alleviation of cholera are a mere farce, and while the Municipality is constituted as at present, there seems no reasonable expectation of these subjects being properly dealt with.

"The Government of India has, I am happy to say, called attention to the insanitary condition of Puri, and the Sanitary Commissioner of Bengal visited the town last December; but it is idle to expect any real improvement without a radical alteration in the body responsible for town sanitation."

This matter requires the serious attention of the Government officers of the district, and the Lieutenant-Governor understands that the Collector is preparing a report on the remedial measures to be adopted. If anything were wanting to enforce the intimate relation between good water and mortality, a text might be found in the fact that an improvement in the water-supply of Balasore has been accompanied by a simultaneous decrease of the deaths from cholera from 13,000 to 1,400.

Manufactures and trade.

4. The agricultural character of Orissa attaches a special interest to the subjects of the production and price of food grains. Of the manufactures, salt alone is of any importance, and that is now in the hands of the Madras Salt Department. The manufacture of Pungah salt in Cuttack and Balasore has been stopped. The Kurkutch factories in Balasore yielded 990 maunds, in Puri 61,765 maunds were produced, but 1,28,295 maunds were sold by drawing on stocks in hand. The minor artistic products of the country maintained their position, but there is no indication of any expansion or improvement among them. The sea-borne trade of the province has increased in all the districts, showing a total value of Rs. 1,41,15,263, made up of Rs. 59,42,695 imports and Rs. 81,72,568 exports. The total value of trade has not yet recovered the figures of 1886-87 and 1887-88. The special features of the year are the great rise in the exports, especially to Madras, and the decrease in the imports to Balasore. There is also a remarkable development in the passenger traffic from 146,277 to 228,185 persons, due to the canal and sea routes becoming more and more resorted to by pilgrims. It is satisfactory to read of the general opening up of the country, and the removal of the isolation in which the Uriyas once lived. When railway communication is established, the province should receive another great impetus towards civilization.

Administrative changes.

5. Mr. H. R. Reily was appointed Settlement Officer of the Cuttack and Puri districts towards the close of the year under report, to revise the assessment of the temporarily-settled estates, of which the present settlement terminates in 1897. This work is outside the ordinary administration, but necessarily adds largely to the work of the district officers and Commissioner. The settlement operations proper, as distinguished from the Cadastral Survey, were not actually commenced until 1891 92. Certain minor changes were effected, such as the abolition of the outstill system in Balasore, the legalization of trade in Gurjat siddhi, the possession of small quantities of Gurjat ganja, and the appointment of a district Health Officer for the rest-houses on the Puri road. The number of Mahomedan employés advances slowly, and necessarily so in this division. But as Mahomedans only number about 2 per cent. of the whole population, they have no ground for complaint when they hold from 15 to 25 per cent. of the appointments, a fair number of them being in superior service.

Crime, police, and justice.

6. Crime in this division is comparatively light, but the police are said to be less capable of dealing with it efficiently than in other divisions. The population being chiefly agricultural, cases of criminal trespass and mischief and disputes regarding land and crops are most common. Comparing 1890 with 1889, cognizable cases fell from 6,980 to 6,646 and non-cognizable from 6,064 to 5,440. The decrease is attributed to the improved condition of the lower classes, and more especially to the village police, whose pay depends largely on voluntary contributions, being paid more regularly in a year of plenty, and not compelled to steal in order to earn a bare subsistence. The unsatisfactory condition of the village police is known to Government, but no great changes can be made until the question of Chakran lands has been dealt with by the settlement officer, and the proper number of chaukidars on a suitable rate of pay has been appointed. The Commissioner has given no statistics of criminal justice, except of the number of cases decided by the Honorary Magistrates and Benches. They appear to have worked well on the whole, and to have relieved the Stipendiary Magistrates to an appreciable extent. In civil justice the suits increased in number from 12,307 to 13,071, but decreased in value from Rs. 12,25,784 to Rs 10,62,304.

Land revenue.

7. The remarks recorded in the Resolution of the 30th September 1890 on the Commissioner's report for 1889-90 appear to have stimulated those concerned with the land

revenue. The idea that 90 per cent. collections on the gross demand were satisfactory was then overruled. It is now stated that the percentage of collections on the gross demand was 96 for the whole Province, viz., 99 in Balasore, 97 in Cuttack, and 93 in Puri—an improvement attributable partly to the more favourable character of the season, and partly to the greater activity shown by the executive in realizing the demands. The remissions in Puri were large, Rs. 7995, but the total figure for the division was only Rs. 9,465, against Rs. 19,683 in the preceding year. The unrealized balances fell from Rs. 1,71,966 to Rs 59,665, and afford some indication both of the restored prosperity of the division and also of greater efficiency in the collecting establishment. The collections in Khurda are stated to have been unprecedentedly good, but bad in Angul, though the report indicates a possibility that that arrear may be unreal, and owing to the inclusion of a kist which does not fall due within the year. If so, the demand statement should be corrected. Including these two large estates, there were 36 estates under direct management with a total demand of Rs. 4,91,949. Of this only 89 per cent. was collected—a rate which does not reach the standard that should be attained. The collections of the Road and Public Works Cesses were similarly inadequate. The canal rates were again collected very insufficiently. The following figures speak for themselves. Of a total demand of Rs. 5,40,049 (viz., current Rs. 3,31,190 and arrear Rs. 2,08,859) only Rs. 2,49,344 were collected, while Rs. 34,070 were remitted and a balance of Rs. 2,56,635 left outstanding. This state of affairs is discreditable: it has already attracted Government attention in the Irrigation Department, and it is hoped that no long time will elapse before the adoption of measures to effect a remedy.

Miscellaneous revenue.

8. The excise collections, with various fluctuations, show almost an equilibrium in the total realizations, the net increase being only Rs. 112. The substitution of distilleries for outstills caused an increase in the revenue from country spirits in Cuttack, but a decline in Puri. The anomaly is explained by the superior facilities of the Cuttack district for water-carriage. The stamp revenue receipts decreased by Rs. 330, while the charges increased by Rs. 532. The fluctuations in this revenue depend upon different causes, which act upon each other. But there can be no question that the gross charges should not rise with a diminished revenue. For income-tax a larger number of persons were assessed and to a higher amount than in 1889-90, but the amount of actual collections is not recorded. The development of the system of ordinary and revenue money-orders and Savings Banks deposits, and of the currency note circulation, testifies to the gradual awakening of the province from its former lethargic condition.

The Puri Lodging-house Act.

9. The importance of maintaining a proper system of conservancy on the main line and places of pilgrimage is admitted by Government. The following quotation from the Commissioner's report shows the action now being taken:—

"The Puri Lodging-house Act was in force during the year under report in the towns of Puri and Chandbally. It was also extended during the year to all the chutties along the Grand Trunk Road in all the three districts of the division. In Cuttack nothing was done during the year beyond the preparation of lists of houses and the number of persons each house could accommodate. The management of these lodging-houses is under the control of the Magistrate assisted by the Health Officer, and the establishment charges are paid from the Jagannath Road Fund. The lodging-house keepers did not at first come forward for licenses, thinking that the rate payable per head under section 8 would, if they held out, be fixed at 3 pice as in Puri; but finding that the Magistrate was determined to adopt the 4 annas rate, as in Balasore, they have since begun to apply for licenses. In Puri, since the appointment of the Health Officer in March 1891, the licensing work has been vigorously pushed forward. A nominal rate of one pice per lodger has been fixed to begin with. The District Board granted an annual contribution of Rs. 2,000 towards the maintenance of a system of conservancy on the line of road."

There is now licensed accommodation in Puri for more than 16,700 pilgrims, the receipts of the Lodging-house Fund amounting to Rs. 12,126 a year.

Education.

10. The statistics of education show some recovery as compared with the numbers of the preceding year, as exhibited in the following table:—

			Schools.	Pupils.
1888-89	...	...	8,421	125,786
1889-90	. .	...	8,073	115,786
1890-91	...	...	8,562	122,846

This gain was achieved under both the heads of public and private institutions, and almost entirely in the primary and elementary schools. Of the boys of school-going age, only about 44 per cent. are at school, and 2 per cent. of the girls. This is not a satisfactory account of female education, and it appears also that the number of special girls' schools has fallen from 105 to 93. A better report of Mahomedan education is given than elsewhere, as it is said that the percentage of boys of that religion at school is always higher than the proportion among Hindus. No special measure was adopted during the year by the District Boards for the encouragement of education among the aboriginal and low caste population, but the number of institutions of indigenous education not conforming to the departmental standards of instruction increased from 955 to 1,107. The Lieutenant-Governor would have been glad to have had a fuller account of the work done by the Normal, Medical, and Surveying schools in Cuttack.

Dispensaries.

11. Mr. Stevenson has rightly drawn attention to the fact that the number of dispensaries is very small, considering the population, and it is hoped that the District Board will be able to open a larger number. There are six in the Cuttack district, five in Balasore, and five in Puri. Considering the enormous influx of pilgrims into these districts at all times of the year, especially at the most unhealthy time, and the large amount of sickness and death which is the result of pilgrimage, this number of dispensaries must be condemned as wholly insufficient.

Local self-government.

12. The attendance at the meetings of the District Boards and Municipalities is somewhat better, but there is still room for much improvement; and it is to be feared that, besides attendance at the meetings, very little real work is done by the members. There seems to be no attempt made to divide the districts or the towns into areas, for which each member should be regarded as the representative and should be required to possess local knowledge and specially bring forward its wants. It is something that in most cases the committees are considered to have worked harmoniously, but in Balasore, though individuals "show interest and devotion to their work, the good effect of local self-government is generally much marred in this district by rancorous party-spirit." Again, the "selection of Chairman and Vice-Chairman was productive of much unseemly friction." The Commissioner will be requested to give his attention to this state of feeling in Balasore. The reported inability of the Puri Municipal Commissioners to do justice to the pilgrim population also appears to require a remedy, if they cannot be induced to understand their responsibilities.

Conduct of zemindars.

13. On the subject of the conduct of zemindars, the Commissioner writes as follows:—

"In Balasore, Raja Baikanta Nath Dey Bahadur again took the lead in matters of public interest, and rendered much assistance to the district officer in his capacity of an Honorary Magistrate. By the death of Rai Nimai Charan Bose Bahadur, of Bhadrak, the district has lost one of its ablest and most enlightened zemindars. Babu Govind Ballav Roy Mahashoy, of Kawpore, is reported to have been conspicuous for his public spirit and for his friendly relations with his tenants.

The Raja of Parikud continues to be the only Puri zemindar who is at all conspicuous for public spirit and good work.

In Cuttack none of the zemindars, except Raja Baidya Nath Pandit, deserves special mention. Their conduct to, and their relations with, their ryots were generally satisfactory."

14. Mr. Worsley's careful and thorough administration of the division was facilitated by the general recovery of prosperity, but deserves nevertheless the thanks of Government. Mr. Stevenson, Mr. Duke, Mr. Allen, and Mr. Cornish, who held charge of the three districts during the year, are favourably mentioned by the Commissioner and entitled to the acknowledgments of the Lieutenant-Governor.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT OF THE BOARD OF REVENUE ON THE ADMINISTRATION OF THE SALT DEPARTMENT FOR THE YEAR 1890-91.

FINANCIAL DEPARTMENT - SALT.

Darjeeling, the 7th October 1891.

RESOLUTION—No. 333T—F.

READ—

The Report of the Board of Revenue on the Administration of the Salt Department for the year 1890-91.

THE following statement shows the receipts and charges of the Department since 1885-86 :—

HEADS.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	Increase in 1890-91 compared with 1889-90.	Decrease in 1890-91 compared with 1889-90.
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial—								
Import duty on salt	1,80,36,071	1,94,85,100	1,85,30,950	2,27,28,686	2,25,83,826	2,30,66,657	4,82,831	..
Excise ditto	9,62,137	4,71,315	3,82,854	3,22,087	1,98,310*	3,21,044	1,22,734	.
Total ...	1,89,98,208	1,99,56,415	1,89,13,804	2,30,50,773	2,27,82,136	2,33,87,701	6,05,565	...
Provincial—								
Rent of warehouses	65,192	68,445	45,726	53,998	90,100	93,545	3,445	...
Miscellaneous	36,283	33,675	32,482	34,197	36,960†	35,899	...	1,070
Total ...	1,01,475	1,02,120	78,208	88,195	1,27,060	1,29,444	2,375	..
TOTAL RECEIPTS ...	1,90,99,683	2,00,58,535	1,89,92,012	2,31,38,968	2,29,09,205	2,35,17,145	6,07,940	...
CHARGES.								
Imperial—								
Salaries, establishments, and contingencies.	6,253	...	...	...	...	..	..	...
Compensation paid under convention with the French Government.	20,000	20,000	20,000	20,000	20,000	20,000		...
Salt preventive establishment in Orissa and Naraingunge.	12,362	217	...	...	...	...	...	...
Refunds of customs duty on salt	1,85,726	2,05,369	2,02,044	2,26,413	2,30,190	2,09,375	..	26,815
Total ...	2,24,341	2,25,586	2,22,044	2,46,413	2,50,190	2,29,375	. .	26,815
Provincial—								
Salaries, establishments, and contingencies.	18,130	11,005	12,368	21,223	46,521	68,269	21,748	...
Refunds other than customs and excise duty.	59	..	...	..	. .	.	..	..
Total ...	18,189	11,005	12,368	21,223	46,521	68,260	21,748	...
Charges of the Orissa Salt Department.	...	...	...	...	1,07,294	1,09,932	2,638	.
TOTAL CHARGES .	2,42,530	2,36,591	2,34,412	2,67,636	4,10,005	4,07,576	...	2,429
Approximate net revenue ...	1,88,57,153	1,98,21,944	1,87,57,600	2,28,71,332	2,24,99,200	2,31,09,569	6,10,369	...

* The discrepancy between these figures and the figures in the corresponding statement in the report for 1889-90 is due to the receipt of revised figures from the Commissioner of Salt Revenue, Madras.

† The discrepancy between these figures and the figures in the corresponding statement in the report for 1889-90 is due to the inclusion of miscellaneous receipts realized in Orissa.

2. The results of the year under review, as compared with the previous year, show an increase of Rs. 6,07,940, or 2·6 per cent. in the receipts, and a decrease of Rs. 2,429, or 6 per cent. in the charges. The net revenue realized is larger than that of any year since 1881-82. This development of revenue, which extends to all heads of receipt except miscellaneous, occurred in spite of an increase of 66,224 maunds in the importation of duty-paid salt from Bombay, which, if charged with duty in Calcutta, would have raised the revenue to a still higher figure. The advance in import duty, which makes up all but a small fraction of the receipts, is attributed by the Board to a rate of exchange more favourable to importers, and to the fall in the prices of Liverpool and other descriptions of salt. The revenue from excise salt shows an improvement on that of the year 1889-90, but is less than that of any of the preceding years. The increase as compared with 1889-90 is due to shorter shipments of salt from Ganjam causing a larger demand for locally manufactured salt in Orissa. The proceeds of the rent of warehouses show an increase of Rs. 3,445, although the quantity of salt bonded declined from 38,67,312 maunds in 1889-90 to 29,99,281 maunds in the past year. Notwithstanding the decline in the quantity bonded, those merchants who availed themselves of the golahs kept

their salt there for a much longer period than formerly, owing to the reduction of charges and the facilities afforded by the construction of the shunting line connecting the golahs with the Howrah Railway terminus. The landing of salt at the golahs, and its conveyance therefrom to the boats, will be further facilitated when the pontoons under construction in front of the golahs have been completed. The decrease in charges occurred chiefly under the head of refund of customs duty.

3. The total quantity of salt in stock at the commencement of the year was 25,99,327 maunds, comprising 24,65,466 maunds of imported salt and 1,33,861 maunds of excise salt During the year 97,62,835 maunds were imported by sea into Calcutta and Chittagong, and 62,770 maunds were manufactured, against 1,00,72,857 and 70,293 maunds in the previous year. The decline in imports, which was due mainly to the unusually large stock in hand at the beginning of the year, affected chiefly the importations from the United Kingdom, the Arabian and Persian Gulfs, and Madras. The receipts from Hamburg, Bombay, and Aden, on the other hand, show an improvement over those of the previous year. The trade with Madras is greatly impeded by difficulties of transport, for the British India steamers do not carry salt in bulk, and the shippers have to provide bags and give the buyers an allowance for wastage. The statement in the margin shows that Liverpool salt is beginning to give way to the cheap crushed salt introduced from Hamburg, Aden, and the Sulkea Salt Golahs, where machines have been erected to crush kurkutch salt. This crushed salt is reported by the Collector of Customs to be of excellent quality and of good colour, but in competing with Liverpool salt it labours under a serious difficulty by reason of its comparatively lesser bulk. The point is thus explained in a graphic and interesting passage of Mr. Armstrong's report:—

	QUANTITIES OF LIVERPOOL PUNGAH AND CRUSHED SALT RESPECTIVELY THAT HAVE PASSED INTO CONSUMPTION.			
	Liverpool.	Hamburg.	Aden crushed.	Golah crushed.
	Mds.	Mds.	Mds.	Mds.
1888-89 ...	73,76,095	1,08,441	...	...
1889-90 ...	66,82,380	3,25,649	...	18,200
1890-91 ...	61,87,206	7,41,991	28,183	1,02,602

"Salt is brought wholesale by weight, but I believe I am right in saying that the general practice in the parts supplied from Calcutta is to retail it by measure, usually by the handful. Liverpool salt does not pack so close as crushed *kurkutch*; its grain is looser and less compressible, so that 1 cubic foot of Liverpool salt = 29 seers, while 1 cubic foot of crushed Hamburg salt = 32¼ seers, and 1 cubic foot of crushed *kurkutch* = 33½ seers. To give equal weight, which is what the retail seller has to think of, he must therefore give a smaller handful of crushed salt for the money than he has been in the habit of giving of Liverpool, and the buyer, who is accustomed to the larger handful, and has not grasped the fact that the smaller one contains just as much salt, haggles over the bargain. If to get over this the same sized handful is given, then, for it to pay the seller, the crushed salt must be much the cheaper of the two, and it is, and this has given it a start.

"The trouble over the difference of bulk does not stop with the retail buyer and seller. When the buyer gets home he gives the salt to his wife or servants, as the case may be, to cook with. This worthy woman has been in the habit of salting the food to a nicety, measuring the salt in her fingers, but until she has learned the mystery of the difference in bulk, when she first uses crushed salt she inevitably puts in an overdose. I am seriously informed that at its introduction this new salt has been a fruitful source of domestic heart-burnings, which is very likely to be the case. To an Indian householder sitting down to his simple meal it must be even more irritating to find it spoiled by oversalting than to us to find the soup has been overdosed, for he has no other courses at hand to fill up the gap. I cannot help thinking, however, that with time and patience these difficulties will disappear: the retail buyers and their housewives will learn by experience, as they are learning that a quantity of the crushed salt, smaller by measure, weighs just as much and goes just as far as a quantity, larger by measure, of the Liverpool salt. If I am correct in this surmise, and the crushed salt succeeds in achieving a really large market, then it can hardly be doubtful that Liverpool salt will gradually disappear. It commenced coming here, I believe, about 1850, to take the place of the salt which used to be manufactured in these provinces, and was also *pungah* or boiled salt; it was introduced gradually and not without difficulties, and it will have to give way to a cheaper substitute."

4. Duty was paid on 63,52,683 maunds of salt cleared from shipboard at Calcutta and Chittagong, as against 58,14,763 maunds in 1889-90, these clearances showing an increase of 5,03,193 maunds, or 8·7 per cent., in Calcutta, and of 34,682 maunds, or 115·7 per cent., in Chittagong. The two ports together give an increase of 5,37,875 maunds in the quantity cleared, and of Rs. 12,75,601 in the duty realised. The increase in the clearances from shipboard has been somewhat counterbalanced by smaller clearances from bond, which amounted

to only 29,76,436 maunds against 32,64,318 maunds in 1889-90. The decrease is shared by the ports of Calcutta and Chittagong, while there was an increase of 81,773 maunds in the clearance of salt at Naraingunge, which is due to the steady development of that place as a port for the salt trade.

5. Including all classes of salt cleared during the year, the total amount which passed into consumption was 98,36,645 maunds as compared with 95,45,652 maunds in 1889-90. Of those 98,36,645 maunds thus available for consumption, 13,34,454 maunds were exported to Assam, Upper India and across the frontier, against 12,66,297 maunds similarly exported in the preceding year. From this quantity, however, must be deducted 3,97,989 maunds imported from Upper India and Madras, so that the net exports may be stated at 9,36,465 maunds, and the balance of salt remaining for consumption in Bengal at 89,00,180 maunds. The salt which is taken out from Calcutta for consumption in the saliferous tracts bordering on the sea coast is covered by special rowannahs; and the Board have been able to utilize these figures to compile the following table showing the consumption of salt in the saliferous and non-saliferous tracts in Bengal during the years 1889-90 and 1890-91, calculated on the population recorded in 1881. The subject is not free from difficulty, and is complicated by the imperfection of the statistical data available:—

	Quantity consumed in 1889-90.	Quantity consumed in 1890-91.	Population.	Consumption per head of population in 1889-90.			Consumption per head of population in 1890-91.		
	Mds.	Mds.		lbs.	oz.	dr.	lbs.	oz.	dr.
Saliferous tracts	7,13,117	7,56,214	5,200,231	11	4	2	11	14	15
Non-saliferous tracts	80,83,731	81,44,966	64,336,630	10	5	1	10	6	12
Total Bengal ...	87,96,848	89,00,180	69,536,861	10	6	4	10	8	5

The total ascertained in the recent Census gives 9lbs 13½ oz. as the average consumption of salt for the whole of Bengal; but the compilation of the Census returns is not yet sufficiently advanced to make it possible to distinguish between saliferous and non-saliferous tracts. The normal consumption of salt per head is given by European authorities at 17·20lbs—a figure which is not far removed from the 17·80lbs stated to represent the average consumption of the Madras Presidency in 1888-89, excluding certain districts in which the statistics cannot be relied on. Sir John Strachey, however, in his work on the *Finances and Public Works of India*, estimates the average annual consumption at 12lbs per head, and the following statistics seem to show that the amount of salt consumed varies greatly in different parts of the country, according to the habits of the people and their standard of living:—

	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
Area under Northern India Salt Department	9·37	8·60	8·50	8·59	...
Area under Bombay Salt Department ...	10·54	11·59	10·96	...	...
Trans-Indus Territories of Punjab ...	...	19·67	23·38	20·86	...
Orissa and Tributary Mehals ...	11·59	11·36	10·26	11·20	10·42
Madras Presidency	16·28	16·57	17·80	16·84	...

In the prosperous districts of Bengal Proper, where the staple food of the people is rice, the consumption is believed to be not less than 12lbs per head; in Behar it is about 9lbs; in Chota Nagpore probably somewhat less; in Orissa, including the Tributary States, it usually exceeds 11lbs. According to the Board's statement, quoted above, the consumption per head in the salt-producing tracts along the coast is higher than in the non-saliferous districts of the interior; but this comparison must not be pressed too closely, for the figures cannot pretend to any exactitude in representing the amount actually consumed in the non-saliferous area, and the results of personal inspections made by the Lieutenant-Governor on tour lead him to doubt whether the fact that salt was despatched under rowannahs into the saliferous tracts can be taken as proof positive that it was eventually consumed within those tracts.

6. The supply of salt to the Bengal districts is distributed chiefly from the ports of Calcutta and Chittagong. Orissa gets its supply by local manufacture and by importation from Ganjam and Calcutta. In the Behar districts

salt is obtained partly from the North-Western Provinces, while in Chittagong a small quantity of salt is clandestinely brought in from Arracan, where the rate of duty is only Re. 1 per maund. The following table shows the salt trade of Bengal with other places in India:—

	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
	Mds.	Mds.	Mds.	Mds.	Mds.
Imported from Madras ...	3,67,904	3,58,292	3,46,327	4,13,165	3,11,257
Imported from the Upper Provinces by rail	33,994	42,858	97,232	1,04,328	86,732
Total ...	4,01,898	4,01,150	4,43,559	5,17,493	3,97,989
Exported by river to Assam ...	5,43,781	6,16,239	7,14,311	5,90,820	6,32,205
Exported by rail and river to the North-Western Provinces and Oudh	7,60,341	7,50,711	5,57,687	5,63,425	5,83,894
Exported to the Punjab by rail ...	1	......	8	8	328
Ditto to other places by rail ...	1,099	62	617	378	217
Ditto to Nepal, Sikkim and Bhutan	95,951	1,02,290	1,14,234	1,11,666	1,17,810
Total export ...	14,01,173	14,69,302	13,86,857	12,66,297	13,34,454
Net export ...	9,99,280	10,68,152	9,43,298	7,48,804	9,36,465
Net exports to Upper India ...	7,27,447	7,07,915	4,59,828	4,59,483	4,97,707

The net export increased in 1890-91, because the high price of Liverpool salt in the preceding year had reduced it to an abnormal degree; but on the whole the improvement of railway communication and the lowering of freights are enabling the Rajputana and Punjab salts to compete more successfully with Liverpool and other imported salts, and to drive their limit of consumption nearer to the sea. The result is a subject for congratulation, since salt is an article which India ought to manufacture for itself, and not to import.

7. Statements A and B appended to the Board's report show the wholesale price of salt at monthly periods in the bazars of district head-quarters and at fortnightly periods in certain selected marts. As might be expected, the prices in Calcutta are the lowest, and those in the outlying districts of Rungpore, Darjeeling, Purneah, and Singbhoom are the highest. The price of Liverpool salt, which was artificially raised in 1889-90 by the action of the Cheshire Salt Syndicate, fell off considerably during the past year. The average wholesale price of Liverpool salt per 100 maunds as sold from the ship's side in the port of Calcutta, exclusive of duty, was Rs. 77-12-9 against Rs. 94-6-11½ in 1889-90. Including duty, but excluding transit and other incidental charges, the cost-price, in the past year, of 100 maunds of Liverpool salt taken from Calcutta was Rs. 327-12-9. The statement given in the margin shows the average prices of salt exclusive of duty at the Orissa factories during the year under review, as well as in the previous year. It appears that salt could be made at Tua at a cost of 6 annas 4 pies per maund, or Rs. 40 per 100 maunds; yet, as a matter of fact, Liverpool salt which was sold from ship's side, exclusive of duty, at Rs. 78 per 100 maunds, and carried from Calcutta to Cuttack, could be sold there at the average price of Rs. 3-12 a maund to compete successfully with local produce, which was available for about Rs. 3 a maund. This anomalous result is said to be due to the preference of people for Liverpool salt. Although this may be the case for the present, there is no doubt that Liverpool salt will not be able to hold its ground permanently against the cheaper salts of country manufacture.

Salt station.	Year.	Average price per maund *ex duty*. Rs. A. P.
Sunamohi ...	1890-91	0 4 5
	1889-90	0 14 11
Sribuntpur ...	1890-91	0 9 6
	1889-90	0 8 10
Timur ...	1890-91	0 8 0
	1889-90	......
Baghkan ...	1890-91	0 5 6
	1889-90	0 3 0
Tua ...	1890-91	0 6 4
	1889-90	0 6 8
Gurubai ...	1890-91	0 7 8
	1889-90	0 6 8

8. The total number of seizures of contraband salt decreased from 977 in 1889-90 to 715 in the past year. In Midnapore, however, the number rose from 109 to 196, but the quantity of salt attached fell from 35 maunds to 24 maunds. The proportion of seizures to unsuccessful searches in Midnapore shows a decided improvement over that of last year. The number of cases of illicit

manufacture rose from 213 in 1889-90 to 238 during the year under review: of the 238 persons put on trial, 209 were convicted. The increase in the number of seizures and convictions is attributed to the better supervision of the police. In the 24-Pergunnahs the number of seizures was 216 against 239 in the previous year, and the quantity of salt attached was 41-14-6 maunds against 589-19-4 maunds in the previous year. There was not a single case of unsuccessful search in this district. The proportion of seizures to unsuccessful searches in Backergunge was 38 to 14. The result, though better than that of 1889-90, when the number of unsuccessful searches exceeded the number of seizures, is still very unsatisfactory. In Balasore the proportion of seizures to unsuccessful searches was 185 to 71. Having regard to the fact that an additional preventive establishment has been sanctioned for the suppression of the smuggling of salt in the district, a larger proportion of successful searches might have been expected. The number of cases instituted for offences against the Salt Laws was 987 against 1,490 in 1889-90. The number of persons apprehended also decreased from 1,529 to 1,008. The amounts realized as fines and disbursed as rewards were Rs. 7,995 and Rs. 5,873 against Rs. 11,339 and Rs. 7,499 respectively in the previous year.

9. The number of cases for offences against the Salt Laws in Orissa decreased from 4,189 to 2,087, and of persons infringing the laws from 1,041 to 397. The Commissioner of Salt Revenue, Madras, attributes this to the defective state of the law and to the orders of the Government of Bengal not to interfere with trivial cases of manufacture for domestic consumption. The Board, however, do not share the Commissioner's view, and are of opinion that the decrease was not unsatisfactory from one point of view, as it would indicate that there was less of harassment and annoyance to the people. It is noticed by the Board that eight infirm persons, women and children were apprehended, and that 96 persons were apprehended for possessing less than one seer of contraband salt or less than five seers of salt earth, against 28 and 153 in the previous year. They were all released, it is stated, by the Salt Department, after giving a warning to the persons implicated. Under these circumstances, the Board are quite right in deprecating indiscriminate arrests of persons transgressing salt laws and rules.

10. Since 1886 the officers of the Madras Salt Department have been employed in Orissa, but the formal transfer of the salt operations in Orissa was not effected before February 1888. Formerly two species of salt were made in Orissa, viz. *pungah* or salt manufactured by boiling, and *kurkutch*, or salt manufactured by solar evaporation; but on the introduction of the change of administration, the rowannah system was abolished and the manufacture of *pungah* salt, being difficult of supervision and dangerous to the revenue, was absolutely prohibited, and licensed *kurkutch* factories sanctioned in its stead. An important change in administration was effected during the year under review. It having been represented that the excise licensees at Tua on the edge of the Chilka Lake worked very irregularly, and that the employment of the Molanghis, who were previously engaged in the *pungah* manufacture, was consequently very uncertain, a Government salt factory at Tua was established in January 1891, in the interests of the ryots who want employment, as well as of the general public who want cheap salt. The opening of another factory at Sartha in the district of Balasore was sanctioned at the same time, as an experimental measure, in order to settle the question of the feasibility of kurkutch manufacture in that district. The system of direct manufacture was started late in the year and under difficulties, and its immediate results are still uncertain, but there is no doubt that the measure is right and will succeed in the long run. In the season of 1890 six licenses for the manufacture of salt were taken out against five licenses issued in the preceding season. All the licensees are local men and not Madras capitalists, as has been alleged by opponents of the system introduced in 1888, but the result of the past two seasons shows that they are not making an earnest endeavour to secure a large outturn. The receipts of the Salt Department in Orissa increased from Rs. 2,01,661 in 1889-90 to Rs. 3,22,262 in the year under review, the proceeds of the duty on excise salt being Rs. 1,98,310 in the former case and Rs. 3,21,044 in the latter. The expenditure at the same time rose from Rs. 1,07,294 to Rs. 1,09,932. The percentage of charges during the years 1889-90 and

1890-91 amounted to 53·2 and 34·1 per cent. respectively of the total revenue collected. The ratio is too high, and must be reduced as soon as manufacture is well established and the old licensees abandon their hostile attitude.

11. The following table shows the despatches of salt from Calcutta into the interior by the different water-routes and railways during the past two years as registered at the salt stations and railway termini:—

YEAR.	*Viâ* Bali Khal.	*Viâ* Saukrail.	*Viâ* Gewankhally.	*Viâ* Kidderpore.	*Viâ* Balliaghatta.	Total carried by water.	By the East Indian Railway.	By the Eastern Bengal and Calcutta and South-Eastern Railways or *viâ* Chitpore.	*Viâ* Buthtolla ghât.	Total carried by rail.	GRAND TOTAL.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
1889-90	10,26,288	5,32,651	2,45,352	2,97,220	17,00,557	38,02,068	35,42,102	9,82,780	9,666	45,34,608	83,36,076
1890-91	9,60,117	5,03,958	2,57,041	3,81,811	14,76,553	35,79,480	32,33,581	12,73,620	4,973	45,12,234	80,91,714
Increase	...	...	11,689	84,591	..	..		2,91,840	..	.	.
Decrease	66,171	28,693	..	..	2,24,004	2,22,588	3,08,521	...	4,693	22,374	2,44,362

It appears that there was a net decrease of 2,22,588 maunds in the quantity of salt conveyed by water, and of 22,374 maunds in the despatches by rail. This may possibly be due to the fact that the statement does not show the amount of salt taken to Orissa and the interior of the country both eastward and westward by steamers and flats which are not stopped at the salt pass stations. It is stated by the Board that the practice of exporting salt by steamer is gaining in popularity owing to its cheapness and the facilities it offers for loading and unloading. The despatches of salt from Calcutta were probably also affected to some extent by the fact that the clearances from bond and ship-board at Chittagong for that district and Noakhally, Tipperah and Naraingunge show a net increase of 75,353 maunds. The figures given in the report offer no data for calculating the consumption of salt in Calcutta itself, and the area with the circle of salt stations immediately round the city.

12. Since the extension of the Indian Salt Act to Calcutta and its Suburbs, the untaxed consumption of *puckwa* or salt educed in the manufacture and refinement of saltpetre, and the adulteration of common salt with it, have suffered a check. The importation of the article into Calcutta and its Suburbs has been prohibited.

13. Mr. Kilby's scales for the weighment of salt have been exclusively in use in the port of Calcutta since July 1890. The Collector reports that the working of these scales has been completely satisfactory. The usefulness of the scales having been established in Calcutta, they were introduced into the port of Chittagong during the year. The system of weighment of salt by licensed weighmen has been in force in Calcutta throughout the year, and is said to have worked satisfactorily.

14. No explanation is given in the Board's report of the increase in the Provincial expenditure on salaries, establishments and contingencies, from Rs. 46,521 to Rs. 68,269. Such an explanation should be given in future reports, and a tabular statement should be appended showing the details of the charges, as nothing requires more careful watching than the insidious growth of expenditure on establishments. It is possible, however, that most of the increase may be due to the purchase of Mr. Kilby's scales.

15. The favourable notice recorded of Mr. Kilby's services as Superintendent of the Sulkea Salt Golahs will be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 10th October 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.		*Western Districts.*		
BURDWAN DIVN.	1	Burdwan Oct. 10, '91 Culna ... Cutwa ... Raneegunge ...	0·45 Nil 0·60 0·85	Weather—hot and dry. Paddy suffering much from want of rain. If it does not come, the crop will be poor. Sugarcane and other crops doing well. Supply of fodder sufficient. Prices of common rice :— Srs. Burdwan ... ... 16¾ Culna ... ... 14 Cutwa ... ... $15\frac{11}{16}$ Raneegunge ... ... 15½ } per rupee.
	2	Bankoora „ 10, '91	0·20	Weather—seasonable. Harvesting of *aus* nearly finished. Prospect of *aman* fair. Rain very much wanted. Preparation of field for cold weather crops going on in places. No cattle-disease reported. Fodder and water sufficient. Prices stationary.
	3	Birbhum „ 10, '91 Rampore Haut ...	0·55 2·73	Rain in north of district has done very much good. Rice crop on the whole is good. Price of rice 16 to 18 seers per rupee. Fodder and water plentiful.
	4	Midnapur „ 10, '91	...	Weather—seasonable. Prospects of crops continue fair. Rain wanted for paddy on high land. Prices of common rice :— Srs. Sudder ... ... 18 Contai ... ... 20 Tumluk ... ... 16 Ghatal ... ... 16 } per rupee.
	5	Hooghly „ 10, '91 Serampore ... Jehanabad ...	Nil Nil 0·02	Weather—warm partially. State of crop satisfactory on the whole. No rain. Prices of common rice :— Srs. Sudder ... ... 12½ Serampore ... ... 13 Jehanabad ... ... 16 } per rupee.
	6	Howrah „ 10, '91 Uluberia ...	0·06 Nil	Weather—generally fine. Prospects of *aman* and sugarcane crops satisfactory. Price of common rice 14 seers per rupee. Health of cattle good. Fodder and water-supply adequate.
		Central Districts.		
PRESIDENCY DIVN.	7	24-Perghs. Oct. 13, '91	0·06	Weather—seasonable. Clear and dry. Harvesting of *aus* and jute nearly completed. *Aman* suffering from drought. Sugarcane doing well, but more rain is wanted on high lands. Cattle-disease reported to prevail in thana Harwa in Bussirhat subdivision. Prices stationary.
	8	Nuddea „ 10, '91 Kushtea ... Meherpur ... Chuadanga ... Ranaghat ...	1·11 0·07 0·55 0·82 0·27	Weather—seasonable. *Aman* paddy requires rain. Sowing of cold weather crops going on. *Kalai, til,* and mustard in some parts of Kushtea subdivision reported to be destroyed by a fresh rise of the river. Condition of cattle good and supply of fodder and water ample.
	9	Khoolna „ 10, '91 Bagirhat ... Satkhira ...	0·10 0·50 0·31	Weather—fine and clear; much cooler during the last two days. Prospects of *aman* fair. More rain is desirable. Fodder and water sufficient.
	10	Jessore „ 10, '91 Jhenidah ... Magura ... Narail ... Bongong ...	0·04 1·59 2·50 0·02 0·40	Weather—hot. More rain wanted for *aman*. Sowing of indigo in progress in Magura and Jhenidah subdivisions. Price of rice stationary. Condition of cattle good; fodder sufficient.
	11	Murshedabad ...	...	Report not received.
RAJSHAHYE DIVN.	12	Dinagepur Oct. 10, '91 Thakurgaon ...	0·35 1·33	Weather—seasonable. More rain urgently wanted for winter rice. Prospects of other crops fair. Cultivation of *rabi* going on in some places. Rice selling both at Sudder and Thakurgaon 13 seers per rupee. Condition of cattle good. Supply of fodder and drinking water ample.
	13	Rajshahye „ 10, '91 Nattore ... Nowgong ...	Figures not received. 1·70 0·05	Weather—hot, but cool in the morning and evening. *Aman* is suffering badly everywhere for want of heavy rain. Fodder and water-supply ample. No cattle-disease reported.
	14	Rungpur „ 10, '91	Nil	Weather—hot during the day. Mornings and evenings cool. Good rainfall everywhere at the end of last week, except in the neighbourhood of Nilphamari. Prospects of winter rice much improved, especially in the *kheor* lands to the south and west. Sugarcane doing well. Preparation for tobacco and potato sowings in progress. Fodder plentiful.

	No	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		Central Districts—concld.		
RAJSHAHYE DIVN—*concld.*	15	Bogra Oct. 10, '91	1·00	Weather—generally fine. Days hot and nights cool. Rain much wanted. Transplantation of *aman* almost finished. Ploughing for cold-weather crops going on. No want of fodder and water. Condition of cattle very good. Common rice selling at 15 seers per rupee.
		Shorpur ...	1·80	
		Nowkhilla ...	1·76	
	16	Pubna „ 10, '91	0·46	Weather—seasonable and cool. Prospect of *aman* still unfavourable. Rivers rising again a little. Fodder sufficient. No cattle-disease.
	17	Darjeeling „ 10, '91	0·54	Weather—fair. *Bhadoi* rice has been cut. Rain wanted for *haimanti* rice. *Marua* getting ripe. Sufficient fodder and water-supply for cattle at present.
	18	Julpigoree „ 10, '91	0·07	Weather—hot during day, cold at night. Prospect of *haimanti* paddy not good. Price of rice rising. Fodder and water-supply sufficient. Condition o cattle good.
		Eastern Districts.		
DACCA DIVN.	19	Dacca Oct. 10, '91	Figures not received.	Weather—seasonable. Prospects of *aman* paddy promising. *Kalai* and *mug* are being sown. Fodder is available. Common rice sold at from 13 to 16 seers per rupee. Condition of cattle good.
	20	Furreedpur „ 10, '91	1·5	Weather—seasonable. Prospect of standing crops good, excepting that of high land paddy, which has withered for want of sufficient rain. Price of rice stationary. No cattle-disease.
	21	Backergunge „ 10, '91	0·64	Weather—seasonable: days hot, nights cool, and mornings foggy. State and prospects of crops good. Rain much wanted. Price of rice stationary. Fodder and water plentiful.
		Perozepore ...	0·49	
		Patuakhali ...	1·27	
		Bhola .	0·20	
	22	Mymensingh „ 10, '91	3·30	Weather—cloudy and rainy at the beginning of the week, but clear towards the end. Recent rain has done much good to standing crops. Coarse rice selling at 14 seers per rupee. Supply of fodder and water sufficient. Condition of cattle good.
CHITTAGONG DIVN.	23	Chittagong „ 10, '91	1·49	Weather—seasonable. Harvesting of *aus* nearly completed. Rain wanted in some places for *aman* crop. Condition of cattle and fodder generally good. Prices stationary.
	24	Noakhally ...	...	Report not received.
	25	Tipperah „ 10, '91	0·40	Weather—seasonable. Rain wanted in high lands. Jute market brisk. Price of rice slightly rising. Fodder sufficient in some parts of the district, deficient in others. No cattle-disease.
	26	Chittagong Hill Tracts. „ 8, '91	0·85	Weather—hot, with foggy mornings. Harvesting of *jum* paddy continues. Paddy on low lands progressing. Lands are being ploughed for mustard and other cold-weather crops. Common rice is being sold at 12¼ seers per rupee.
BEHAR.				
PATNA DIVN.	27	Patna „ 10, '91	1·26	Weather—hot and dry; cool at night; west wind prevalent. Recent rain has done much benefit to standing paddy crop, and has facilitated preparation of *rabi* fields, but still more rain wanted. Prices generally stationary.
		Behar ...	1·10	
		Dinapore ...	0·30	
		Hilsa ...	0·74	
	28	Gya „ 10, '91	Nil	Weather-mornings cool, days hot. Prospect of paddy crop poor. Rain wanted everywhere. Prices of food-grains almost stationary. Supply of fodder and water for cattle sufficient.
	29	Shahabad „ 10, '91	Nil	Weather—days warm, nights cool. Sky clear. The rain reported from subdivisions fell on 3rd instant. Since then no rain. Prospects of paddy in Arrah and parts of Sasseram and Buxar are very fair, but in Bhabuah, in absence of rain, the crop is withering. Lands are being prepared for *rabi*, but there is not sufficient moisture at present in Bhabuah for sowing. Prices stationary.
		Buxar ...	1·02	
		Sasseram ...	C·77	
	30	Durbhunga „ 10, '91	0·99	Weather—bright, with west winds. *Bhadoi* harvesting over. In Sudder and Madhubani condition of paddy crop fairly good, except in portions of thana Bohera, where on high lands the yield will be probably poor. Hopeful reports come from Somastipur. Prices stationary everywhere in the district. Water and fodder sufficient. No cattle-disease.
		Somastipur ...	0·17	
		Madhubani ...	1·59	

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*				
Patna Divn.—concld.				
31	Mozufferpur	Oct. 10, '91	Nil	Weather—rainless, with westerly winds. In Sudder and Hajipur subdivisions prospects of paddy crop unfavourable for want of heavy rain. In Sitamarhi subdivision rain of the week has done immense good, especially in the north. Outturn of rice crop may be estimated at 10 annas throughout the subdivision. Preparation of indigo and *rabi* lands in full swing. No deficiency of fodder and water for cattle. Cattle in good condition.
	Sitamarhi	...	2·44	
	Hajipur	...	0 42	
32	Sarun	" 10, '91	0·19	Weather—cool nights and mornings. Clear up to 9th; since then somewhat cloudy. Except in Gopalgunge subdivision, rain is much wanted for rice crop. Water and fodder for cattle sufficient.
33	Chumparun	" 10, '91	Nil	Weather—seasonable. *Bhadoi* crops are being reaped. Prospect of *aghani* good. Lands are being prepared for *rabi* crops. Fodder and water for cattle sufficient. Prices falling to some extent.
Bhagulpore Divn.				
34	Monghyr	" 10, '91	1·76	Rain on Sunday (4th October). Since then weather cool with westerly winds. The rain has much improved prospects in all places to which it has extended. The fall was partial and insufficient in the Jamui subdivision and parts of the Sudder. Prospects of rice are best in Khurrukpur, and worst in Surujgurha and Bukhtiarpur. Ploughing for *rabi* sowings is going on everywhere. Condition of cattle good. Supply of fodder and water sufficient.
	Beguserai	...	1·66	
	Jamui	...	0·80	
35	Bhagulpore	" 10, '91	Nil	Weather—days hot and nights cool. Rain badly wanted throughout the district. In Soopool prospects of *aghani* crop are not favourable. If there is no rain soon, there is danger of failure of crop. Price of rice stationary.
36	Purneah	" 10, '91	0·25	Weather—cool in the morning and evening, but warm during the day. In Arrareah and Kishengunge the standing paddy is doing well, but in Sudder it is suffering for want of rain. In Arrareah sowing of *rabi* has commenced; elsewhere the ground is being prepared for it. Fodder and water for cattle plentiful. No cattle-disease.
	Kishengunge	...	0·11	
	Arrareah	...	1·62	
37	Maldah	" 10, '91	0·80	Weather—hot in the beginning of the week; now getting cool at night. Winter rice thriving, but requires more rain. *Kalai* sowing nearly finished. Indigo sowing commenced. Preparation is being made for sowing of other *rabi* crops. Condition of cattle good. Fodder and water-supply sufficient. Price of rice stationary.
	Chanchal	...	0·82	
	Shibgurge	...	2 57	
	Gajole	...	2 42	
38	Sonthal Perghs.	" 10, 91	0 32	Wind has gone round to north; air cool, but hot in day. Some good showers fell. Rain has done much good to rice crop, and the urgent need is over. More rain is however wanted. Prospects generally good. Fodder and water-supply sufficient. Cattle healthy.
ORISSA.				
Orissa Divn.				
39	Cuttack	" 10, '91	0·05	Weather—fair. Harvesting of *beali* nearly over; outturn estimated at 12 annas. Transplantation and weeding of *sarad* also over. Some damage said to have been done to the crops on low lands by high floods and heavy rain. Condition of cattle good. Fodder-supply sufficient.
40	Pooree	" 8, '91	Nil	Weather—seasonable. Weeding of winter rice (*sarad*) still continues. Early rice is being harvested with an average outturn of 10 annas. Price of common rice stationary. Cattle-disease reported from Dandimal in Khoorda.
41	Balasore	" 10, '91	0·02	Weather—seasonable. Prospects of winter rice and other crops are good.
CHOTA NAGPORE				
South-West Frontier Agency.				
Chota Nagpore Divn.				
42	Hazaribagh	Oct. 10, '91	Nil	Weather—bright and fresh. Rice prospects good; would have been better for more rain this month. Cultivation of *rabi* in progress.
	Giridih	...	0·12	
43	Lohardugga	" 10, '91	0·07	Weather—cloudy. Harvesting of *gora* rice continues. Prospect of winter rice favourable. Rain wanted for this crop. Fodder and water plentiful.
44	Singbhoom	" 10, '91	0·20	Cold weather setting in. *Gora* paddy, *kheri*, and *goondli* are being harvested; 16 annas' outturn expected. Winter rice crop in excellent condition; a bumper outturn expected. Price of rice stationary. Cattle-pox reported from one village in pergunnah Dalbhoom.
45	Manbhoom	" 10, '91	Nil	Mornings and evenings getting chilly. General condition of crops all round satisfactory. Another shower of rain would be very beneficial. Supply of fodder sufficient. Rice selling at from 13 to 20 seers per rupee.
	Govindpur	...	0·27	

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 13th October, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 30TH SEPTEMBER 1891.

N. B.—This statement was not published in the Gazette of 7th instant in which it was due, as the returns from Beerbhoom and Bogra were received in the evening of 6th. The Beerbhoom and

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	11 8	11 13	14 0	...	...	...	12 12	12 0	12 0	15 6	16 2	15 15	...	...	...
2	Bankoora ...	12 8	13 0	15 0	16 0	16 0	20 0	15 0	15 0	15 0	18 12	18 12	18 0		..	...
3	Beerbhoom* ...		13 8	17 4	...	...	...		13 12	13 8		15 12	16 8	...	...	...
4	Midnapore .	11 0	11 0	11 0	...	...	...	13 0	13 0	11 0	15 12	16 0	15 0	...	...	...
5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	13 0	...	...	...
6	Howrah ...	...	...	...	...	...	...	11 12	11 8	10 0	14 4	14 0	13 8	..	...	...
	Central Districts.															
	Calcutta	11 5	11 2	13 4	20 1	20 0	17 12	8 10	8 7	8 14	12 8	12 12	12 12	...	16 0	...
7	24-Pergunnahs	12 4	12 4	14 8	20 0	20 0	18 12	8 0	8 0	8 0	14 8	14 8	14 0	...	...	...
8	Nuddea .	13 10	14 13½	15 4	24 12	no sale	20 0	12 5	12 13	12 4	13 14½	13 14½	14 8	...	..	...
9	Khoolna ...	...	...	...	...	...	...	13 0	13 0	12 12	16 0	16 0	13 8	...	...	...
10	Jessore ...	12 0	12 0	13 4	...	...	...	12 8	12 8	11 0	16 0	16 0	14 8	...	...	...
11	Moorshedabad	13 4	13 4	16 0	...	..	...	10 0	11 8	10 0	16 0	15 0	16 0	...	...	...
12	Dinagepore ...	12 0	13 3	15 9	20 0	24 0	18 0	12 0	12 0	12 13	13 3	14 5	15 9	...	...	...
13	Rajshahye ...	15 0	14 4	16 8	24 0	26 4	24 0	12 0	12 0	12 0	13 8	14 4	13 14	...	...	...
14	Rungpore .	10 10	10 10	13 5	...	...	...	10 10	9 6	9 6	13 0	12 4	13 5	...	...	...
15	Bogra* ...		13 8	15 0	...	...	...		12 0	12 0		15 0	15 0	...	...	...
16	Pubna ..	15 0	15 0	18 0	...	.	.	7 8	7 8	7 2	17 10	17 10	15 0	..	...	...
17	Darjeeling ..	8 0	8 0	9 0	12 0	10 0	10 0	5 0	5 0	5 0	12 0	12 0	12 0	...	...	...
18	Julpigoree .	12 0	12 0	13 0	16 0	16 0	16 0	7 0	7 0	8 0	13 0	13 0	16 0	...	...	...
	Eastern Districts.															
19	Dacca ..	11 8	12 0	12 0	17 8	25 0	13 0	13 0	14 0	13 0	15 0	15 0	14 0	...	...	...
20	Furreedpore ..	15 0	16 0	16 0	22 0	2[illegible] 0	20 0	13 0	13 0	10 0	16 0	16 0	13 0	...	...	...
21	Backergunge ...	...	...	...	...	...	...	12 4	12 13	11 0	16 0	16 0	12 8	...	...	...
22	Mymensingh ..	10 0	10 0	10 0	...	...	...	12 0	12 0	10 0	14 0	14 8	12 12	...	...	...

* Present return not received.

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11 seers 15 chittacks, and Raneegunge 10½ seers.
B Retail price of salt at Bishenpore 10 seers per rupee.
C Retail price of salt at Contai 10 seers per rupee.
D In subdivisions retail prices of salt per rupee are :—Serampore 10½ seers and Jehanabad 11 seers 7 chittacks.
E Retail price of salt at Uluberiah 10½ seers per rupee.
F In subdivisions retail prices of salt per rupee are :—Baraset 10 seers 10 chittacks, Bussirhat (Baduria) 11 seers, Diamond Harbour (Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
G In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers.
H In subdivisions retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.
I In subdivisions retail prices of salt per rupee are :—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.

Midnapore, Khoolna. Moorshedabad. Rungpore, Bogra, Julpigoree, Noakholly, Chumparun and Lohardugga were not received up to Bogra returns are still wanting.

Head-quarters Station Bazars of the Districts of Bengal on the 30th September 1891.

Indian-corn or Maize. (*Zea Mays.*) Present return.	Indian-corn or Maize. Next preceding return.	Indian-corn or Maize. Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*) Present return.	Arhar or Thur. Next preceding return.	Arhar or Thur. Corresponding return of last year.	Firewood. Present return.	Firewood. Next preceding return.	Firewood. Corresponding return of last year.	Salt. Present return.	Salt. Next preceding return.	Salt. Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Wholesale Salt. Next preceding return.	Wholesale Salt. Corresponding return of last year.	Districts.
															BENGAL.
															Western Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	17 0	12 0	24 0	100 0	100 0	100 0	A 11 4	11 4	11-22-2	3 5 8	3 6 0	3 8 0	Burdwan.
22 0	22 0	27 0	18 12	18 12	18 0	200 0	220 0	240 0	B 10 10	10 10	10 4	3 12 0	3 12 0	3 15 0	Bankoora.
...	...	...		13 0	13 8		160 0	160 0		10 14	10 8		3 11 6	3 10 0	Beerbhoom.
...	...	...	11 8	11 8	12 0	120 0	120 0	120 0	C 10 12	10 12	10 8	3 11 0	3 11 0	3 13 0	Midnapore
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	D 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.
...	...	...	11 0	11 0	12 8	100 0	100 0	100 0	E 10 8	10 8	10 8	3 8 0	3 8 0	3 8 0	Howrah.
															Central Districts.
17 14	16 14	19 1	14 10	14 13	15 5	92 8	95 0	92 8	11 2	11 0	10 8	3 5 3	3 5 9	3 8 8	Calcutta.
...	...	...	17 0	17 0	17 0	100 0	100 0	100 0	F 10 12	10 12	10 12	3 5 0	3 5 6	3 6 0	24-Pergunnahs.
...	...	...	16 0	17 12½	16 13½	...	...	...	G 9 2¼	9 13	9 13	3 10 0	3 10 0	3 12 0	Nuddea.
...	...	...	...	...	...	160 0	160 0	160 0	H 9 0	9 0	8 0	4 0 0	4 0 0	4 0 0	Khoolna.
...	...	...	16 0	16 0	16 0	160 0	160 0	160 0	I 9 2	9 2	9 0	3 12 0	3 12 0	4 0 0	Jessore.
...	...	...	15 0	16 0	17 12	200 0	200 0	200 0	J 11 8	11 8	11 4	3 7 9	3 7 9	3 8 0	Moorshedabad.
...	...	...	16 0	14 8	16 0	160 0	160 0	160 0	K 10 8	10 8	10 0	3 13 0	3 13 0	4 0 0	Dinagepore.
...	...	...	18 8	18 0	18 10	240 0	240 0	240 0	L 9 9	9 9	9 9	3 13 4	3 13 4	4 0 0	Rajshahye.
...	...	...	10 10	10 10	10 10	100 0	100 0	100 0	M 9 6	9 6	9 6	4 4 0	4 4 0	4 4 0	Rungpore.
...	...	...	...	...	...		90 0	90 0		9 12	9 12		4 0 0	3 13 4	Bogra.
...	...	...	16 8	16 8	18 0	200 0	200 0	200 0	N 8 15	8 15	t. 8 11 2	3 13 0	3 13 6	3 14 0	Pubna.
20 0	20 0	20 0	...	...	...	120 0	120 0	120 0	O 8 0	8 0	7 8	5 0 0	5 0 0	5 4 0	Darjeeling.
...	...	...	9 0	10 0	11 0	200 0	200 0	200 0	P 10 0	10 0	9 0	4 0 0	4 0 0	4 4 0	Julpigoree.
															Eastern Districts.
...	...	...	16 0	16 0	12 0	140 0	160 0	120 0	Q 9 0	8 0	9 8	4 4 0	3 12 0	4 2 0	Dacca.
...	...	...	13 0	13 0	10 0	...	...	120 0	R 10 0	10 0	10 0	3 12 0	4 0 0	3 14 0	Furreedpore.
...	...	...	Khesari, husked. 14 8	14 8	12 8	120 0	120 0	100 0	S 10 0	10 0	11 0	3 12 0	3 12 0	3 10 0	Backergunge.
...	...	...	10 0	10 0	10 0	...	...	...	T 10 0	10 0	9 12	3 14 0	3 14 0	4 0 0	Mymensingh.

J In subdivisions retail prices of salt per rupee are :—Jungipore 10 seers, Lalbagh 11 seers, and Kandi 10 seers 10 chittacks.
K Retail price of salt at Thakurgaon 8 seers per rupee.
L In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
M In subdivisions retail prices of salt per rupee are :—Gaibanda 9 seers 6 chittacks, Kurigram 8 seers and Nilphamari 9½ seers
N Retail price of salt at Serajgunge 10½ seers per rupee.
O Retail price of salt at Kurseong and Silliguri 8 seers per rupee.
P At Fallacotta in Alipore subdivision retail price of salt 8½ seers per rupee.
Q In subdivisions retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 9 seers, and Naraingunge 10 seers.
R Retail price of salt at Madaripore and Goalundo 10 seers per rupee.
S In subdivisions retail prices of salt per rupee are :—Patuakhali 9 seers, Perozepore 9 seers, and Bhola 8 seers.
T In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 9½ seers, Sherpore 8 seers, Tangail 10 seers and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum. (*Sorghum Vulgare.*) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	***Eastern Districts*—concluded.**	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	12 0	12 0	11 0	...	...	...	12 0	12 0	11 8	16 12	16 12	15 0	...	...	...
24	Noakholly ...	...	...	...	...	...	...	14 0	14 0	13 0	15 0	15 0	14 0	...	...	...
25	Tipperah* ...	10 0	10 0	11 7	...	.		10 0	10 0	8 14	16 0	17 8	12 10½	.	..	...
26	Chittagong Hill Tracts.	...	...	...	...	..	...	11 0	12 0	11 6¾	12 0	13 5	12 15	...	...	...
	BEHAR.															
27	Patna ...	Red. 16 0 White. 15 0	Red. 16 8 White. 15 0	Red. 17 4 White. 15 6	25 0	24 0	18 0	11 8	11 8	10 0	18 0	18 0	16 12	...	...	19 8
28	Gya ...	11 0	14 0	14 12	25 0	24 0	19 0	10 8	10 8	9 0	15 0	14 8	14 4	...	...	...
29	Shahabad ...	14 8	13 8	16 0	22 0	20 0	19 0	9 0	9 0	8 0	14 8	14 8	15 8	..	...	.
30	Durbhunga ...	13 5	15 6	15 6	22 0	21 3	15 8	11 0	12 1	12 0	11 4	14 4	16 8	...	...	...
31	Mozufferpore ...	14 0	14 0	16 0	25 0	24 0	20 0	13 0	13 0	9 0	14 0	14 0	11 0	...	...	...
32	Sarun ...	14 5	15 2	15 8	25 0	23 8	18 0	8 8	8 8	8 4	14 5	11 8	14 0	...	...	...
33	Chumparun ...	15 0	15 5	17 0	23 0	27 0	21 0	10 12	10 0	9 0	17 0	15 8	14 8	.	...	...
34	Monghyr ...	14 0	14 0	17 13	22 0	22 0	22 0	10 8	10 12	11 0	13 8	14 0	14 11	...	...	...
35	Bhagulpore ...	14 8	15 2	17 0	22 11	25 4	21 11	12 10	12 10	Old 10 1 New. 12 10	15 2	15 2	Old. 13 14 New. 15 2	...	...	...
36	Purneah ...	12 0	18 0	18 0	11 0	16 0	.	13 0	13 0	15 0	14 0	15 0	18 0	..	..	...
37	Maldah ...	14 0	14 8	19 0	...	...	.	9 8	10 0	13 0	14 0	14 0	16 0	...	...	...
38	Sonthal Perghs.	11 0	11 0	13 0	...	...	..	13 0	13 0	13 0	16 0	15 0	16 0	...	...	...
	ORISSA.															
39	Cuttack ...	10 8	11 13	14 7	...	...	...	10 8	10 8	10 8	14 7	15 12	18 6	...	...	...
40	Pooree ...	11 13	11 13	11 13	...	...	...	14 7	13 2	13 6	21 0	18 6	21 0	...	...	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	12 0	21 0	21 0	16 0	..	...	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh ...	13 8	13 0	14 0	17 0	16 0	14 0	8 0	8 0	8 0	15 4	13 12	16 8	...	...	...
43	Lohardugga ...	Red. 11 12 White. 7 8	Red. 12 0 White. 7 8	Red. 14 0 White. ...	16 0	16 0	20 0	12 0	12 0	14 8	Ordinary. 14 0 Coarse. 16 0	Ordinary. 13 8 Coarse. 14 8	Ordinary. 16 0 Coarse. 16 8	...	...	...
44	Singbhoom ...	16 0	16 0	12 0	14 0	14 0	16 0	12 0	11 0	12 0	14 0	14 0	14 0	...	...	...
45	Manbhoom ...	11 8	11 14	13 5	...	...	...	13 8	12 8	13 0	21 0	20 0	20 0	...	...	...

* Present return not received.

U At Cox's Bazar retail price of salt 8 seers per rupee.
V At Feni retail price of salt 9 seers per rupee.
W Retail price of salt at Brahmunberiah 10 seers per rupee.
X In subdivisions retail prices of salt per rupee are :—Barh 11¼ seers and Behar 9¾ seers.
Y In subdivisions retail prices of salt per rupee are :—Buxar 10 seers, Sasseram 10¾ seers, and Bhabuah 9¾ seers.
Z In subdivisions retail prices of salt per rupee are :—Madhubani 11 seers and Somastipore 11¼ seers.
a In subdivisions retail prices of salt per rupee are :—Hajipore 10½ seers and Sitamarhi 10 seers.
b In subdivisions retail prices of salt per rupee are :—Sewan 11 seers and Gopalgunge 12 seers.

CALCUTTA,

The 22nd September, 1891.

Station Bazars of the Districts of Bengal on the 30th September, **1891—(concluded).**

Indian-corn or Maize. (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (*Cajanus Indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts*—concluded.
...	...	...	...	...	...	110 0	110 0	110 0	U 10 0	11 0	10 0	3 8 0	3 8 0	3 14 0	Chittagong.
...	...	...	8 0	8 0	8 0	...	...	...	V 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakholly.
...	...	...	6 4	6 4	6 10¼	...	...	...	W 10 0	10 0	9 6¼	4 0 0	4 0 0	4 3 0	Tipperah.
...	...	...	...	...	...	320 0	320 0	320 0	* 8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
															BEHAR.
25 0	24 0	20 0	19 0	20 0	19 0	120 0	120 0	110 0	X 11 8	11 8	10 0	3 8 0	3 8 6	3 10 0	Patna.
...	...	..	17 0	17 0	17 8	160 0	160 0	180 0	10 0	10 0	9 2	3 14 0	3 14 0	4 2 0	Gya.
22 0	20 0	...	15 0	16 0	18 0	120 0	120 0	120 0	Y 10 8	10 8	10 0	3 13 0	3 12 0	3 15 0	Shahabad.
24 4	22 0	22 0	15 6	17 9	17 8	160 0	160 0	160 0	Z 11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.
26 0	20 0	20 0	15 0	17 0	19 0	160 0	160 0	160 0	a 11 0	11 0	10 8	3 10 6	3 11 0	3 11 0	Mozufferpore.
27 0	22 4	19 8	17 8	17 4	18 0	160 0	160 0	160 0	b 10 8	10 8	10 4	3 12 0	3 12 0	3 12 0	Sarun.
25 0	21 8	22 0	14 8	15 8	17 0	160 0	160 0	160 0	10 4	10 0	10 8	3 15 0	3 15 0	3 12 0	Chumparun.
26 0	25 0	22 0	17 0	16 0	17 13	130 0	125 0	147 0	c 10 8	10 0	10 8	3 13 0	3 14 0	3 10 0	Monghyr.
24 0	23 10	23 10	16 6	16 6	19 9	151 8	151 8	138 14	10 11	10 11	10 1	3 12 0	3 12 10	3 14 6	Bhagulpore.
...	...	...	14 0	15 0	15 0	80 0	80 0	140 0	d 10 0	10 0	9 0	3 10 3	3 10 3	4 7 0	Purneah.
...	...	...	...	...	...	120 0	120 0	160 0	9 0	9 8	9 8	3 14 0	3 14 0	4 2 0	Maldah.
45 0	24 0	30 0	17 0	17 0	21 0	200 0	200 0	200 0	e 9 0	9 0	9 0	4 0 0	4 0 0	3 14 0	Sonthal Pergs.
															ORISSA.
...	...	...	17 1	15 12	19 11	80 0	80 0	80 0	f 11 0	11 0	10 0	3 12 0	3 12 0	4 0 0	Cuttack.
...	...	...	14 7	15 12	13 2	80 0	80 0	80 0	g 11 13	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.
...	...	...	...	...	...	160 0	160	160 0	h 10 0	10 0	10 0	3 14 0	3 14 0	3 14 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
18 0	18 0	21 0	16 0	14 8	21 0	240 0	240 0	240 0	i 9 0	9 0	8 8	4 0 0	4 0 0	4 3 0	Hazaribagh.
New 35 0	Old 18 8	New 40 0	18 0 12 0	Small. 18 8 Big. 12 0	24 0 ...	150 0	150 0	120 0	9 8	9 0	9 0	4 3 0	4 4 0	4 2 0	Lohardugga.
'6 0	16 0	20 0	20 0	18 0	22 0	240 0	240 0	240 0	9 0	9 0	9 0	4 6 0	4 6 9	4 6 0	Singbhoom.
...	...	...	16 0	...	18 0	200 0	200 0	200 0	j 9 13½	9 13½	9 14	3 12 0	3 12 0	3 12 0	Manbhoom.

c In subdivisions retail prices of salt per rupee are :—Bogusorai 9½ seers and Jamui 10 seers.
d In subdivisions retail prices of salt per rupee are :—Kissengunge 8 seers and Arrareah (at Basantpur) 10 seers.
e In subdivisions retail prices of salt per rupee are :—Deoghur 10 seers, Pakour 10½ seers, Rajmehal 11 seers, and Jamtara [illegible] seers.
f In subdivisions retail prices of salt per rupee are :—Jajpore 8 seers and Kendrapara 9 seers.
g Retail price of salt at Khoorda 11 seers per rupee.
h Retail price of salt at Bhuddruck 9 seers per rupee.
i Retail price of salt at Giridhi 10 seers per rupee.
j Retail price of salt at Govindpore 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 4 11	3 5 4	2 12 1	1 11 6	1 11 10	2 0 1	4 5 9	4 5 1	4 3 7	2 14 9	2 14 3	2 14 0
2	Serajgunge ...	3 4 0	2 7 0	2 6 0	...	...	...	4 12 0	3 12 0	5 0 0	2 14 0	2 12 0	3 0 0
3	Dacca ...	3 8 0	3 2 0	3 4 0	2 4 0	1 8 0	3 0 0	3 0 0	2 12 0	3 0 0	2 10 0	2 8 0	2 13 0
4	Naraingunge	...	...	...	...	...	...	2 8 0	2 8 0	3 0 0	2 6 0	2 6 0	2 12 0
5	Chittagong ...	3 0 0	3 0 0	3 8 0	...	...	...	3 4 0	3 4 0	3 6 0	2 6 6	2 6 6	2 10 0
6	Patna ...	2 8 0 2 10 6	Red. 2 7 0 White. 2 10 6	2 5 0 2 8 0	1 9 6	1 10 0	2 3 0	3 8 0	3 8 0	3 14 0	2 3 6	2 3 6	2 5 6
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	1 14 0	1 14 0	2 7 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 14 3	2 0 6	1 14 3
9	Cuttack ...	3 12 0	3 4 0	2 10 0	...	...	...	3 10 0	3 10 0	3 10 0	2 12 0	2 5 0	2 2 0

CALCUTTA,
The 13th October 1891.

in the undermentioned Marts of Bengal on the 30th September 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 4 8	2 4 6	2 1 1	1 15 6	2 2	1 13 4	2 7 3	2 7 4	2 5 4	0 5 9	0 5 9	0 5 9	3 5 3	3 5 9	3 8 8	Calcutta.
2 10 0	2 6 0	2 8 0	...	...	...	...	...	...	0 6 6	0 6 6	0 6 0	3 10 0	3 13 0	3 11 0	Sorajgunge.
2 8 0	2 7 0	3 0 0	...	...	...	2 8 0	2 6 0	3 4 0	0 5 0	0 4 0	0 5 0	4 4 0	3 12 0	4 2 0	Dacca.
3 12 0	3 13 0	3 8 0	...	...	...	3 12 0	3 12 0	3 8 0	0 8 0	0 8 0	0 8 0	3 13 0	3 13 0	3 12 0	Naraingunge.
3 0 0	3 0 0	2 14 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 14 0	Chittagong.
1 12 6	1 11 6	2 0 0	1 9 6	1 10 0	1 15 0	2 1 6	2 0 0	2 1 0	0 5 4	0 5 4	0 6 0	3 8 0	3 8 6	3 10 0	Patna.
2 12 0	2 12 0	2 12 0	...	...	..	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 12 0	Pooree.
(kalai). 3 0 0	3 0 0	2 10 0	...	...	...	2 4 0	2 8 0	2 0 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	4 0 0	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Station Observations. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·936	29·885	—	N	195	91·7	5, 8, & 9 Oct.	76·1	9th Oct.	90·6	79·3	85·0	—	82·4
		Gopalpore	29·944	29·905	+·128	NW	237	89·7	7th ,,	73·3	9th ,,	88·8	75·6	82·2	−0·9	81·4
		False Point	29·942	29·905	+·100	WSW & NW	165	91·5	8th ,,	72·1	6th ,,	89·5	75·1	82·3	−0·5	83·7
	Cuttack	Cuttack	29·863	29·907	+·106	SW & NW	51	93·9	8th ,,	74·8	9 & 10 ,,	92·0	76·6	84·3	+0·2	82·5
	Balasore	Balasore	29·896	29·898	+·089	NNW	97	92·4	7th ,,	74·8	10th ,,	90·0	76·4	83·2	+1·1	81·2
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·931	29·900	+·096	SW	243	91·2	7 & 9 ,,	75·0	10th ,,	89·4	79·7	84·6	+1·3	82·6
	Midnapore	Midnapore	29·800	29·897	+·078	N	193	92·3	6 to 8 ,,	74·1	4th ,,	91·2	76·4	83·8	+1·6	81·4
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·931	29·899	+·092	SW & NE	82	90·1	7th ,,	74·2	9th ,,	88·7	76·7	82·7	+0·3	82·3
	Burdwan	Burdwan	29·868	29·915	+·103	Nly	53	91·6	7 & 8 ,,	75·4	4 & 5 ,,	90·5	76·8	83·7	+0·1	81·5
	Bankoora	Bankoora	29·626	29·877	+·071	Calm	47	92·1	7th ,,	74·6	5th ,,	90·5	75·2	82·9	+0·3	81·0
	Beerbhoom, West Burdwan	Raneegunge	29·617	29·915	+·094	WNW & Ely	55	91·5*	4 & 6 ,,	70·9*	9th ,,	90·4	75·3*	82·8*	+0·5*	79·8
	Moorshedabad	Berhampore	29·877	29·893	+·074	Wly	52	90·6	7th ,,	73·8	9th ,,	89·7	76·2	82·5	−0·4	79·6
	Nuddea	Krishnaghur	29·901	29·897	+·098	Variable	75	92·3	7th ,,	73·7	9th ,,	90·7	75·8	83·0	+0·7	81·6
	Jessore, Khoolna	Jessore	29·922	29·902	+·088	Calm	40	92·2	7th ,,	74·9	9 & 10 ,,	90·6	76·8	83·7	0	82·5
East Bengal.	Chittagong	Chittagong	29·877	29·912	+·080	Calm	31	90·2	10th ,,	72·1	6th ,,	86·6	73·6	80·1	−1·3	79·9
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·939	29·896	+·089	Calm	56	90·3	9th Oct.	72·9	10th Oct.	88·8	76·0	82·4	+0·3	83·5
	Noakhally	Noakholly	29·927	29·917	+·113	Nly	76	88·0	7 to 10 ,,	72·3	10th ,,	86·2	74·1	80·2	−1·3	80·2
	Furreedpore	Furreedpore	29·927	29·914	+·092	Calm & Sly	50	89·0	4th ,,	74·4	9th ,,	87·9	76·3	82·1	+0·3	82·0
	Dacca	Dacca	29·928	29·898	+·084	Wly	84	90·1	4th ,,	71·2	10th ,,	88·8	75·3	82·1	−1·2	81·2
	Commillah	Commillah	29·936	29·919	+·111	Variable	37	89·4	7 & 8 ,,	71·8	10th ,,	87·6	74·1	80·9	−1·7	80·1
	Mymensingh	Mymensingh	29·892	29·901	+·090	Ely	70	88·2	7th ,,	70·6	10th ,,	86·5	74·4	80·5	−1·7	79·1
North Bengal.	Bogra	Bogra	29·862	29·876	+·081	Calm & Wly	61	90·3	4th ,,	70·1	9th ,,	85·8	73·1	81·0	−0·9	79·5
	Pubna	Serajgunge	29·899	29·895	+·074	SW	32	90·1	8th ,,	70·7	9th ,,	88·7	73·6	81·2	+1·1	79·7
	Rajshahye	Rampore Beauleah	29·871	29·891	+·091	Wly	49	89·8	4th ,,	71·7	9 & 10 ,,	87·7	74·9	81·3	−0·2	80·1
	Maldah	Maldah	29·857	29·889	—	SW	75	91·9	4th ,,	67·9	9th ,,	89·6	72·9	81·1	—	79·9
	Dinagepore	Dinagepore	29·816	29·888	+·059	SW	43	90·1	7 & 8 ,,	66·5	10th ,,	87·3	72·1	79·7	−2·8	78·6
	Rungpore	Rungpore	29·829	29·908	+·078	W	50	89·8	7th ,,	68·7	9th ,,	86·0	71·9	79·0	−2·8	77·3
	Julpigoree, Cooch Behar	Julpigoree	29·638	29·878	+·051	Ely	63	87·9	7th ,,	64·6	10th ,,	86·0	71·8	78·9	−1·1	77·3
	Darjeeling Hill Tracts	Darjeeling	23·067	—	+·030	Calm & NE	104	64·1	8th ,,	50·1	10th ,,	63·2	52·2	57·7	+0·7	56·1
North Behar.	Purneah, North Bhagulpore	Purneah	29·928	29·909	+·090	Wly	32	89·2	6 & 7 ,,	61·8	10th ,,	88·0	69·5	78·8	−3·3	76·5
	Mozufferpore	Mozufferpore	29·748	29·881	—	WNW	106	90·3	6th ,,	66·8	10th ,,	88·4	71·9	80·2	—	77·8
	Durbhunga	Durbhunga	29·732	29·904	+·075	Variable	67	90·4	6th ,,	66·5	10th ,,	88·6	71·8	80·2	−1·7	77·9
	Chumparun	Motihari	29·702	29·886	+·079	Variable	157	91·2	6th ,,	61·8	9th ,,	88·5	69·1	78·8	−0·9	77·3
	Sarun	Chupra	29·761	29·897	+·106	SW	108	91·3	7th ,,	?	?	89·1	?	?	?	79·0
South Behar.	Shahabad	Dehree	29·606	29·913	+·096	W & SW	119	90·3	6 & 7 ,,	66·0	10th ,,	88·4	72·3	80·4	−0·1	79·8
		Buxar	29·712	29·909	+·096	Wly	128	89·4	6th ,,	66·8	9th ,,	87·6	71·9	79·8	−1·3	78·9
		Arrah	29·757	29·901	+·101	W	28	89·9	6 & 7 ,,	69·7	8th ,,	88·5	73·8?	81·2?	−0·2?	78·2
	Gya	Gya	29·569	29·900	+·090	W	117	91·4	7 & 8 ,,	68·8	9th ,,	89·8	73·7	81·8	−0·8	81·2
	Patna	Bankipore	29·761	29·897	+·080	W	75	89·4	6 & 7 ,,	66·8	9th ,,	87·9	72·9	80·4	−2·5	79·3
	South Bhagulpore, Monghyr	Bhagulpore	29·776	29·889	+·084	SW	22	91·2	6 & 7 ,,	68·0	10th ,,	89·6	72·7	81·1	−0·1	81·5
	Sonthal Pergunnahs	Doomka	29·449	29·898	+·092	NW	26	90·6	7th ,,	69·5	9th ,,	89·8	73·0	81·5	+0·6	81·1
Chutia Nagpur.	Hazaribagh	Hazaribagh	27·946	29·913	+·091	NNW	140	86·7	7th ,,	65·8	9th ,,	84·6	68·7	76·7	−0·3	74·8
	Lohardugga, Manbhoom	Ranchee	27·819	29·898	+·089	Calm & Wly	86	86·0	7th ,,	65·4	9th ,,	84·1	68·5	76·4	+0·5	75·2
	Singbhoom	Chyebassa	29·189	29·902	+·105	Calm	23	91·4	6 & 7 ,,	73·7*	7 & 8* ,,	89·6	74·3*	82·3*	+1·7*	79·4
Assam.	Sibsagar	Sibsagar	29·605	29·897	+·031	NE		86·1	8th ,,	72·5	10th ,,	83·9	73·6	78·8	−1·5	75·3
	Goalpara	Dhubri	29·828	29·899	+·063	SW	65	86·2	8th ,,	69·8	10th ,,	83·4	72·7	78·1	−1·8	75·4
	Cachar	Silchar	29·859	29·915	+·051	Calm		90·5	9 & 10 ,,	71·3	5th ,,	87·1	73·3	80·2	−1·9	77·5

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ... The *humidity* of the atmosphere is expressed at percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the arithmetical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 10th of October 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th May 1891. Mean for district.	Since 16th May 1891. Normal mean.	Since 16th May 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
81	1·7	Nil	0·21	2·17	0·21	2·88	−2·07	42·09	47·52	−5·43	0·50	2·05	Pooree ...	Pooree	ORISSA.
82	1·1	0·24											Gopalpore ..		
81	3·0	0·04											False Point ...		
74	1·3	0·07	0·41	1·43	0·42	2·03	−1·61	53·44	46·73	+6·71	0·40	1·91	Cuttack ...	Cuttack	
86	2·0	Nil	0·15	1·51	0·27	2·22	−1·95	52·34	48·83	+3·51	0·34	1·67	Balasore ...	Balasore	
85	3·7	0·06	0·02	1·55	0·02	2·07	−2·05	55·41	55·54	−0·13	0·00	2·03	Saugor Island ...	South-West Midnapore South 24 Pergunnahs	SOUTH-WEST BENGAL.
81	2·1	0·58	0·26	1·21	0·26	1·49	−1·23	47·46	47·76	−0·30	1·50	1·58	Midnapore ...	Midnapore	
79	2·1	0·10	0·05	1·24	0·05	1·56	−1·51	40·37	47·96	−7·59	0·30	1·73	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
72	4·6	0·45	0·35	1·10	0·35	1·45	−1·10	42·77	43·19	−0·42	1·00	1·43	Burdwan ...	Burdwan	
78	0·4	0·20	0·13	0·84	0·38	1·17	−0·79	40·08	49·20	−3·12	0·75	1·45	Bankoora ...	Bankoora	
80?	0·4	0·85	1·08	0·92	1·14	1·37	−0·23	42·57	49·35	−6·78	1·25	1·13	Raneegunge ...	Beerbhoom .. .. West Burdwan ...	
82	1·9	0·56	1·17	1·22	1·60	1·64	−0·04	38·52	47·07	−8·55	1·00	1·65	Berhampore ...	Moorshedabad ...	
76	3·6	1·11	0·56	1·12	0·66	1·57	−0·91	37·28	45·61	−8·33	1·40	1·64	Krishnagur ...	Nuddea	
83	3·0	0·04	0·62	1·10	0·68	1·47	−0·79	40·00	48·94	−8·94	0·63	1·55	Jessore ...	Jessore ... ... Khoolna	
86	3·4	1·42	0·97	1·79	1·18	3·07	−1·89	83·21	105·62	−22·42	2·00	1·93	Chittagong ...	Chittagong	EAST BENGAL.
			0·67	1·92	0·85	3·02	−2·17	63·50	77·38	−13·88	2·00	2·10	Demagiri ...	Chittagong Hill Tracts	
80	1·9	0·44	0·65	1·42	0·65	2·07	−1·42	55·65	70·74	−15·09	2·00	1·73	Barrisal ...	Backergunge	
88	1·4	0·80	1·23	1·74	1·54	2·69	−1·15	64·43	99·61	−35·18	1·50	1·86	Noakhally ...	Noakhally	
80?	2·9	1·50	0·91	1·41	0·91	1·79	−0·88	36·83	51·32	−14·49	1·33	1·58	Furreedpore ...	Furreedpore	
82	4·4	0·08	0·71	1·20	0·73	1·62	−0·89	40·13	56·12	−3·99	1·75	1·54	Dacca ...	Dacca	
87	2·7	0·59	0·54	1·49	0·62	2·19	−1·57	52·55	63·99	−11·44	0·75	1·50	Commillah ...	Commillah	
90	3·9	3·30	2·32	1·66	2·43	2·16	+0·27	62·36	64·87	−2·51	1·00	1·49	Mymensingh ...	Mymensingh	
82	3·1	1·00	1·62	1·24	1·77	1·86	−0·09	37·71	53·76	−16·05	1·50	1·73	Bogra ...	Bogra	NORTH BENGAL.
86	4·3	3·49	1·98	1·26	2·27	1·62	+0·65	35·46	49·34	−13·88	1·50	1·70	Serajgunge ...	Pubna	
81	2·4	2·24	1·37	1·12	1·41	1·64	−0·23	41·21	50·76	−9·55	2·00	1·57	Rampore Beauleah	Rajshahye	
82	1·1	0·80	0·44	1·42	0·99	1·87	−0·88	31·77	51·61	−19·84	0·50	1·75	Maldah ...	Maldah	
80	2·6	0·36	0·64	0·95	1·11	1·45	−0·34	41·29	54·54	−13·25	1·00	1·29	Dinagepore ..	Dinagepore	
87	1·6	5·56	2·12	1·11	4·63	1·69	+2·94	54·14	60·47	−15·33	1·50	1·12	Rungpore ...	Rungpore	
91	1·4	0·10	0·28	0·78	1·50	2·07	−0·57	69·86	105·83	−35·97	0·75	1·17	Julpigoree ...	Julpigoree ... ... Cooch Behar	
94	7·7	0·08	0·70	1·33	1·48	2·49	−1·01	80·36	118·55	−38·19	1·00	2·00	Darjeeling ...	Darjeeling Hill Tracts	
85	2·9	0·25	0·18	1·11	1·02	1·53	−0·51	35·48	56·00	−20·52	0·80	1·09	Purneah ...	Purneah ... ... North Bhagulpore ...	NORTH BEHAR.
83	1·6	0·40	Nil	1·30	1·03	1·97	−0·94	35·28	41·42	−6·14	0·00	0·93	Mozufferpore ...	Mozufferpore	
82	1·4	Nil	Nil	1·20	0·93	1·66	−0·73	37·47	42·70	−5·23	0·00	1·07	Durbhunga ...	Durbhunga	
81	2·3	Nil	Nil	1·54	3·69	2·26	+1·43	39·29	45·61	−6·32	0·00	0·93	Motihari	Chumparun	
80	1·7	Nil	Nil	1·47	0·96	1·98	−1·02	30·49	40·64	−10·15	0·00	0·97	Chupra ...	Sarun	
71	2·0	0·06											Dehree ...		SOUTH BEHAR.
77	2·3	0·05	0·02	0·76	0·79	1·61	−0·82	25·52	38·05	−12·53	0·00	0·72	Buxar ...	Shahabad	
82	1·9	Nil											Arrah ...		
76	4·1	Nil	0·07	1·11	0·94	1·63	−0·69	29·97	39·48	−9·51	0·25	0·91	Gya ...	Gya	
73	3·1	1·26	0·38	1·13	0·83	1·70	−0·87	36·43	39·03	−2·60	0·50	0·99	Bankipore ...	Patna	
75	2·0	0·15	0·81	1·05	1·47	1·52	−0·05	37·37	40·68	−3·31	1·00	1·06	Bhagulpore ...	South Bhagulpore ... Monghyr	
69?	0	0·32	1·87	1·15	2·42	1·62	+0·80	42·00	48·12	−6·12	1·33	1·37	Doomka ...	Sonthal Pergunnahs .	
74	4·4	Nil	0·07	0·94	0·45	1·47	−1·02	41·56	47·93	−6·37	0·00	1·23	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
78	6·0	0·07	Nil 0·10	1·10 1·04	0·18 0·13	1·46 1·49	−1·28 −1·36	43·26 41·17	46·40 44·46	−3·14 −3·29	0·00 0·50	1·27 1·13	Ranchi ...	Lohardugga ... .. Manbhoom	
84?	2·3	0·16	0·20	0·81	1·10	1·05	+0·05	46·49	48·34	−1·85	1·00	1·39	Chyebassa ...	Singhbhoom	
97	10·0	2·54											Sibsagar	Assam	ASSAM.
90	4·4	0·27											Dhubri		
92	7·0	1·85											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
ten years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 10th October 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 4th Oct.	Monday, 5th Oct.	Tuesday, 6th Oct.	Wednesday, 7th Oct.	Thursday, 8th Oct.	Friday, 9th Oct.	Saturday, 10th Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	......	0·10	......	1	0·10	2·21	0·10	2·63	36·55	42·26
		Khurdah ...	......	......	......	0·06	......	0·22	......	1	0·28	1·52	0·28	2·23	47·16	49·77
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	1·45	Nil	2·43	29·09	58·34
		False Point ...	......	......	0·04	......	......	......	......	Nil	0·04	3·49	0·04	4·03	55·10	54·66
		Gop ...										?		?		?
		Satpara ...										?		?		?
		Pipli										?		?		?
	Cuttack	Jagatsingpore	......	......	......	......	......	......	......	Nil	N	1·89	Nil	2·37	46·89	41·54
		Banki ...	......	......	......	......	......	1·50	......	1	1·50	1·06	1·50	1·66	42·11	45·07
		Cuttack ...	......	......	......	......	......	0·05	......	Nil	0·05	1·24	0·08	1·70	68·36	51·09
		Kendrapara ...	......	......	......	......	......	......	......	Nil	Nil	1·60	Nil	2·20	55·60	47·23
		Jajpore ...	......	......	......	......	0·51	......	......	1	0·51	1·36	0·51	2·22	54·30	48·73
		Dharmsala ..	......	......	......	0·17	0·18	......	......	2	0·35	?	0·35	?	54·99	?
		Salipore .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	55·15	?
	Balasore ..	*Akhoyapada*...	......	......	......	......	0·25	1·26	0·45	3	1·96	?	1·96	?	54·42	?
		Chandbali ...	......	......	......	......	......	......	......	Nil	Nil	2·62	Nil	3·21	51·99	47·77
		Bhuddruck ...	......	......	......	......	......	......	......	Nil	Nil	0·90	Nil	1·57	52·61	46·81
		Sorah ...	......	......	......	0·50	0·40	......	......	2	0·90	1·34	0·90	2·32	50·90	46·85
		Balasore ...	......	......	......	......	......	0·02	......	Nil	0·02	1·73	0·02	2·62	52·43	52·46
		Jellasore ..										1·66		2·26		48·40
		Baripodah ...										0·78		1·28		50·54
SOUTH-WEST BENGAL.	Midnapore ..	Contai .	......	......	......	......	......	......	......	Nil	Nil	1·57	Nil	2·07	46·49	55·88
		Saugor Island	......	0·04	......	......	......	0·02	......	Nil	0·06	2·06	0·06	2·61	66·25	58·91
		Tumlook ...	......	......	......	......	......	......	......	Nil	Nil	0·88	Nil	1·08	53·87	46·79
		Midnapore ...	0·45	......	0·03	......	......	......	......	1	0·48	1·15	0·48	1·42	50·47	44·34
		Ghattal ...	0·21	......	......	......	......	0·10	......	2	0·31	1·61	0·31	1·97	52·50	52·15
		Kukrahaty ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	40·93	?
		Garbetta ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	44·01	?
	24-Pergunnahs	Diamond Harbour ...	......	......	......	......	......	......	......	Nil	Nil	1·02	Nil	1·58	55·16	58·82
		Canning Town	......	......	......	0·52	......	......	......	1	0·52	?	0·92	?	39·75	?
		Alipore Jail ...	......	......	0·06	......	......	......	......	Nil	0·06	1·06	0·06	1·52	39·93	51·85
		Barrackpore...	......	......	......	0·12	......	......	......	1	0·12	1·10	0·12	1·44	43·38	46·16
		Dum-Dum ...	......	......	0·10	......	......	......	......	1	0·10	1·15	0·10	1·42	39·99	47·76
		Barasot ...	......	......	0·16	......	......	......	......	1	0·10	1·33	0·10	1·58	40·95	45·53
		Busserhat ...	......	......	......	......	......	......	......	Nil	Nil	1·28	Nil	1·62	40·42	50·05
	Howrah ...	Howrah .	......	0·03	0·03	......	......	......	......	Nil	0·06	1·07	0·06	1·51	35·94	47·06
		Mohesreka ...	......	......	......	......	......	......	......	Nil	Nil	1·05	Nil	1·47	?	48·68
		Ooloberiah ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	40·80	?
	Hooghly ...	Serampore ...	......	......	......	......	......	......	......	Nil	Nil	1·13	Nil	1·52	42·49	46·74
		Hooghly ...	......	......	......	......	......	......	......	Nil	Nil	1·38	Nil	1·57	39·84	44·82
		Jehanabad ..	0·02	......	......	......	......	......	......	Nil	0·02	1·82	0·02	1·92	43·38	51·51
	Burdwan ...	Culna ...	......	......	......	......	......	......	......	Nil	Nil	1·18	Nil	1·61	44·12	41·03
		Burdwan ...	0·35	0·10	......	......	......	......	......	2	0·45	1·25	0·45	1·41	45·46	44·32
		Cutwa ...	0·60	......	......	......	......	......	......	1	0·60	0·88	0·60	1·34	38·76	44·23
		Raneegunge ...	......	0·85	......	......	......	......	......	1	0·85	0·72	0·85	1·23	44·01	46·35
		Mankur ...	0·25	......	......	......	......	......	......	1	0·25	?	0·25	?	47·11	?
	Bankoora ...	Bankoora ...	0·01	0·19	......	......	......	......	......	1	0·20	1·06	0·24	1·39	43·41	48·06
		Bishenpore ...	......	......	......	......	......	......	......	Nil	Nil	0·62	Nil	0·79	50·59	49·13
		Maliara ...	0·23	0·10	......	......	......	......	......	2	0·33	0·49	0·33	0·95	48·08	47·38
		Khatra ...	......	......	......	......	......	......	......	Nil	Nil	1·17	0·94	1·51	42·21	52·17
		Indas ...	0·70	1·20	......	......	......	......	......	2	1·90	?	1·90	?	45·62	?
		Kotalpore ...	1·13	0·51	......	......	......	......	......	2	1·64	?	1·64	?	47·47	?
		Anda ...	......	......	......	......	......	......	......	Nil	Nil	?	0·11	?	39·88	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	46·27	?
		Raipore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	60·91	?
		Sonamukhi ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	47·94	?
	Beerbhoom	Bh. Soory ...	0·55	......	......	......	......	......	......	1	0·55	0·90	1·00	1·43	47·40	50·95
		Hetampore ...	0·01	......	......	......	......	......	......	Nil	0·01	0·91	0·06	1·33	40·47	52·16
		Rampore Haut	1·69	0·75	0·29	......	......	......	......	3	2·73	1·18	2·73	1·47	38·51	48·13
		Bolpore ..	1·20	......	......	......	......	......	......	1	1·20	?	1·20	?	48·03	?
		Murari ...	0·91	......	......	......	......	......	......	1	0·91	?	0·91	?	36·30	?
	Nuddea ..	Ranaghat	......	0·27	......	......	......	......	......	1	0·27	1·18	0·28	1·72	38·17	43·76
		Kishnaghur ...	0·29	0·82	......	......	......	......	......	2	1·11	1·49	1·11	2·00	38·34	42·81
		Chooadanga ...	0·64	0·18	......	......	......	......	......	2	0·82	1·13	0·90	1·62	40·04	47·10
		Meherpore ...	0·55	......	......	......	......	......	......	1	0·55	0·83	0·55	1·12	36·72	44·45
		Kooshtea .	0·07	......	......	......	......	......	......	1	0·07	0·97	0·50	1·30	33·27	49·91
	Khoolna ..	Satkhira ..	......	......	0·31	......	......	......	......	1	0·31	1·31	0·31	1·72	42·92	50·98
		Bagirhat ...	......	......	......	......	......	......	......	Nil	Nil	1·19	0·50	1·51	47·84	56·09
		Khoolna ...	0·10	......	......	......	......	......	......	1	0·10	0·85	0·10	1·18	35·36	50·37
		Nakipur ...	......	0·06	......	......	......	0·17	......	1	0·23	?	0·23	?	45·24	?
		Rampal .	......	......	0·10	......	......	......	......	1	0·10	?	0·70	?	38·13	?
	Jessore ...	Narail .	0·02	......	......	......	......	......	......	Nil	0·02	0·82	0·02	1·20	34·07	41·87
		Jessore ...	......	0·04	......	......	......	......	......	Nil	0·04	0·91	0·04	1·35	42·02	49·95
		Jhenidah ..	......	1·59	......	......	......	......	......	1	1·59	1·35	1·59	1·69	36·69	48·99
		Magoorah ...	......	2·50	......	......	......	......	......	1	2·50	1·35	2·50	1·58	39·37	45·69
		Boungong ...	......	0·40	......	......	......	......	......	1	0·40	1·02	0·40	1·56	41·72	47·52
	Moorshedabad	Kandi ...	1·00	......	......	......	......	......	......	1	1·00	1·28	2·05	1·63	53·78	46·87
		Berhampore ...	0·54	0·02	......	......	......	......	......	1	0·56	0·96	0·56	1·60	37·02	47·62
		Lalbagh ...	0·51	......	......	......	......	......	......	1	0·51	1·24	0·74	1·77	41·34	46·34
		Azimgunge ...	1·08	......	......	......	......	......	......	1	1·08	1·87	1·38	2·22	33·95	47·70
		Jungipore ...	2·14	......	......	......	......	......	......	1	2·14	0·77	2·71	1·14	43·50	46·23
		Lalgola ...	1·70	......	......	......	......	......	......	1	1·70	1·21	2·10	1·49	43·46	47·63
		Akrigunj ...	0·20	......	......	......	......	......	......	1	0·20	?	0·20	?	37·18	?
		Patkabari ..	......	......	......	......	......	......	......	Nil	Nil	?	0·45	?	36·60	?
EAST BENGAL	Chittagong	Cox's Bazar ...	0·13	0·32	......	......	......	......	......	2	0·45	1·86	0·74	3·11	98·07	123·04
		Chittagong ...	0·24	1·25	......	......	......	......	......	2	1·49	1·73	1·63	3·04	68·31	88·16
		Kutubdia ...	0·96	......	......							?		?		?
		Satkanya ...	0·83	0·50	0·19	......	......	......	......	3	1·52	?	1·61	?	93·11	?
	Chittagong Hill Tracts.	Rangamati ...	0·31	0·36	......	......	......	......	......	2	0·67	1·92	0·85	3·02	63·50	77·38
		Bundarban ...	......	0·43	0·12	......	......	......	......	2	0·55	?	1·26	?	95·21	?
	Backergunge	Patuakhally...	0·45	......	0·32	0·50	......	......	......	3	1·27	1·67	1·27	2·09	63·93	80·69
		Perozepore ...	......	......	0·49	......	......	......	......	1	0·49	1·60	0·49	2·23	58·01	63·73
		Burrisal ...	......	0·16	0·48	......	......	......	......	2	0·64	1·32	0·64	1·83	51·63	61·82
		Bhola ...	0·10	......	0·10	......	......	......	......	2	0·20	1·07	0·20	2·12	49·29	76·62

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 10th of October 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 4th Oct.	Monday, 5th Oct.	Tuesday, 6th Oct.	Wednesday, 7th Oct.	Thursday, 8th Oct.	Friday, 9th Oct.	Saturday, 10th Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
EAST BENGAL —concld.		*Gournaddi* ..	...	0·11	...	...	...	...	...	1	0·11	?	0·11	?	47·32	?
		Bauphal ...	0·73	0·28	0·78	...	...	...	...	3	1·79	?	1·79	?	55·22	?
	Noakholly ...	Noakholly .	0·85	0·10	...	...	...	...	...	2	0·95	1·93	1·27	2·05	67·79	100·98
		Fenny .	1·50	...	...	...	...	...	...	1	1·50	1·55	1·50	2·42	61·06	98·16
		Harishpore ...	2·25	0·70	...	...	...	...	...			?		?		?
		Ramganj ..	0·23	3·65	...	...	...	...	...	2	3·88	?	3·88	?	53·30	?
	Furreedpore	Madaripore ..	0·43	...	...	...	...	...	...	1	0·43	1·41	0·43	1·84	39·39	51·07
		Furreedpore..	...	1·40	0·42	...	...	...	...	2	1·82	1·05	1·82	1·42	42·15	53·07
		Goalundo	0·05	0·42	...	...	...	...	...	1	0·47	1·76	0·47	2·11	28·91	49·29
	Dacca ...	Munshigunge	...	0·19	0·14	...	...	...	...	2	0·33	1·43	0·33	2·02	45·09	65·03
		Dacca .	...	0·18	...	...	...	...	...	1	0·18	1·99	0·18	1·64	52·71	54·83
		Narainpunge	...	0·63	0·76	...	...	...	...	2	1·39	0·92	1·40	1·53	58·80	58·65
		Manickgunge	0·10	0·64	0·30	...	...	...	...	2	0·94	1·16	0·94	1·30	39·88	45·95
		Joydebpore ..	0·13	4·80	0·05	0·23	...	...	...	3	5·21	?	5·21	?	52·13	.
	Hill Tipperah	Agartola ..	...	...	...	...	...	...	...	Nil	Nil	1·34	Nil	2·02	54·40	56·36
	Tipperah ...	Comilla ...	0·40	...	...	...	...	...	...	1	0·40	1·50	0·44	2·24	54·43	71·71
		Chandpore ..	...	...	...	...	...	...	...	Nil	Nil	1·42	Nil	2·31	50·57	70·06
		Brahmunberia	1·65	0·10	...	...	...	...	...	2	1·75	1·69	1·75	2·16	51·60	57·07
		Ramchandrapore ...	0·11	2·09	0·22	...	...	...	...	3	2·42	?	2·42	?	40·63	?
		Nasirnagar ...	1·20	0·10	...	...	...	...	...	2	1·30	?	1·30	?	26·34	?
		Daudkandi ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	46·30	?
		Kasba ...	0·13	0·25	0·09	...	...	...	...	2	0·47	?	0·54	?	?	?
		Laksham ..	...	...	...	...	...	...	...	Nil	Nil	?	1·70	?	58·31	?
	Mymensingh...	Kishoregunge	0·83	2·66	...	...	...	...	...	2	3·49	1·98	3·49	2·38	80·36	65·83
		Atia (*Tangail*)	0·41	...	...	...	...	...	...	1	0·41	1·29	0·41	1·78	37·62	59·90
		Mymensingh	0·48	2·77	0·05	...	...	...	...	2	3·30	1·49	3·30	2·23	55·79	60·11
		Jamalpore ..	1·19	...	...	...	...	...	...	1	1·19	1·11	1·19	1·77	5?·25	60·61
		Netrokona ...	3·05	0·15	...	...	...	...	...	2	3·20	2·18	1·19	2·63	82·68	77·80
		Subornakhali	1·10	...	...	...	...	...	...	1	1·10	?	3·76	?		?
		Durgapore ...	2·70	...	...	...	...	...	...	1	2·70	?	1·10	?	37·27	?
		Sherepore Town	1·28	...	...	...	...	...	...	1	1·28	?	4·07	?	86·20	?
		Dewanganj ..										?	1·28	?	64·12	?
NORTH BENGAL.	Pubna ...	Pubna ...	0·30	0·16	...	...	...	...	...	2	0·46	1·28	1·03	1·54	27·00	50·06
		Serajgunge ...	3·45	0·02	0·02	...	...	...	...	1	3·49	1·23	3·49	1·69	43·91	48·53
	Bogra ...	Sherepore ...	1·29	0·51	...	...	...	...	...	2	1·80	1·19	1·80	1·06	31·50	54·16
		Nowkhilla ...	0·26	1·50	...	...	...	...	...	2	1·76	1·25	1·95	1·29	40·20	50·84
		Bogra ...	1·00	...	...	...	...	...	...	1	1·00	1·13	1·00	1·42	35·49	56·97
		Panchbibi ..	1·90	...	...	...	...	...	...	1	1·90	1·37	2·31	2·03	42·03	52·99
	Rajshahye ...	Beauleah ...	1·90	0·17	...	...	...	...	...	2	2·07	1·33	2·07	1·77	40·50	49·27
		Nattore ..	1·60	0·10	...	...	...	...	...	2	1·70	1·35	1·70	1·89	51·32	51·20
		Naogaon ...	0·22	0·12	...	...	...	...	...	2	0·34	0·69	0·45	1·28	32·00	51·82
		Lalpore ...	...	...	...	...	...	...	...	Nil	Nil	?	1·20	?	36·75	?
		Manda ...	0·40	...	...	...	...	...	...	1	0·40	?	0·98	?	28·32	?
	Maldah ...	Maldah ..	0·79	0·01	...	...	...	...	...	1	0·80	1·53	1·15	2·25	35·44	48·85
		Chanchal ...	...	0·07	...	...	...	...	...	Nil	0·07	1·30	0·82	1·48	28·06	54·30
		Gajol ...	2·30	0·05	...	...	...	...	...	1	2·35	?	2·42	?	46·00	?
		Sibganj ...	2·52	0·05	...	...	...	...	...	1	2·57	?	2·57	?	43·03	?
	Dinagepore ...	Mohadebpore	0·87	...	...	...	...	...	...	1	0·87	0·87	0·97	1·02	28·35	54·53
		Churamon ..	...	0·18	...	...	...	...	...	1	0·18	0·74	1·44	1·08	44·54	50·87
		Raigunge ...	...	0·80	...	...	...	...	...	1	0·80	1·16	0·80	1·53	50·85	50·04
		Dinagepore ..	...	0·35	...	...	...	...	...	1	0·35	0·98	0·62	1·55	38·70	60·01
		Baloorghat	1·17	...	...	...	...	...	...	1	1·17	0·92	1·89	1·48	39·11	51·31
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	?	1·33	?	60·38	?
	Rungpore ...	Bhowanigunge (*Gyabanda*)	2·60	0·14	0·20	...	...	...	...	3	2·94	1·25	3·56	1·79	51·72	57·21
		Rungpore ...	5·15	0·06	...	...	...	...	...	1	5·21	0·95	10·46	1·19	64·73	69·78
		Kurigram ...	0·24	...	0·10	...	...	...	...	2	0·34	1·04	4·33	1·60	60·08	69·62
		Bagdogra (*Nilphamari*)	...	...	...	...	...	...	...	Nil	Nil	1·21	0·19	2·17	49·91	81·67
		Ulipore ...	2·95	...	...	...	...	...	...	1	2·95	?	7·57	?	56·89	?
	Julpigoree ...	Julpigoree ...	...	0·02	0·05	...	...	...	...	Nil	0·07	0·82	1·48	1·44	58·21	110·33
		Alipore Dooar	0·18	...	1·29	...	...	...	...	2	1·47	?	2·49	?	76·04	?
		Fallacotta ...	0·25	...	...	...	...	...	...	1	0·25	?	1·40	?	64·34	?
		Debiganj ...	0·50	...	...	...	...	...	...	1	0·50	?	2·85	?	62·83	?
		Bhagatpore (Nagrakatta)	0·17	...	...	0·40	...	0·98	...	3	1·55	?	5·29	?	88·45	?
	Cooch Behar..	Dinhatta ...	0·03	...	...	...	...	...	...	Nil	0·03	0·49	0·97	2·46	64·17	90·65
		Cooch Behar...	0·17	...	0·94	...	...	...	...	2	1·11	0·85	1·76	2·24	76·22	111·08
		Mekligunge...	0·08	...	...	...	...	...	...	Nil	0·08	0·55	2·47	1·43	73·43	102·96
		Matabhanga...	0·10	...	...	...	...	...	...	1	0·10	1·18	0·80	2·76	77·32	109·11
	Darjeeling Hill.	Buxa ..	0·85	0·08	0·06	0·34	...	0·15	...	3	1·48	1·49	3·32	2·92	110·56	182·94
		Silliguri ...	1·20	...	...	...	...	...	...	1	1·20	1·79	1·45	2·03	65·55	107·10
		Darjeeling ...	...	0·08	...	...	...	...	...	Nil	0·08	1·41	0·82	2·20	85·57	102·91
		Kalimpong ..	0·04	...	...	...	...	...	...	Nil	0·04	0·63	0·33	1·92	55·72	81·13
		Kurseong ...	0·61	...	0·14	...	...	...	...	2	0·75	?	1·94	?	112·82	?
NORTH BEHAR	Purneah ...	Kissengunge...	0·07	...	...	...	...	...	...	Nil	0·07	0·61	0·11	1·20	44·25	67·51
		Arrareah ...	0·25	...	0·16	...	...	...	...	2	0·41	1·16	1·62	1·45	42·87	61·04
		Purneah ...	0·21	0·04	...	...	...	...	...	1	0·25	1·05	0·98	1·43	34·00	58·64
		Gondwara ...										?		?		?
		Balarampore	...	...	...	...	...	...	...	Nil	Nil	?		?		?
		Matiari ...	...	...	...	...	...	...	...	Nil	Nil	?	0·30	?	26·87	?
		Kaliaganj ...	0·05	...	...	...	...	...	...	Nil	0·05	?	0·55	?	53·72	?
	North Bhagulpore.	Maddapore ...	0·19	...	...	...	...	...	...	1	0·19	1·69	0·81	2·14	39·00	46·81
		Soopool ..	...	...	...	...	...	...	...	Nil	Nil	1·05	1·02	1·46	26·55	46·04
		Protabganj ...	...	...	...	...	...	...	...	Nil	Nil	?	0·33	?	39·14	?
	Durbhunga ...	Tajpore ...	...	...	...	...	...	...	...	Nil	Nil	1·38	0·17	1·80	43·27	41·29
		Durbhunga ...	...	...	...	...	...	...	...	Nil	Nil	1·07	1·02	1·81	37·67	43·84
		Madhubani ...	...	...	...	...	...	...	...	Nil	Nil	1·16	1·59	1·57	31·44	42·92
		Bahera ...	...	...	...	...	...	...	...	Nil	Nil	?	0·52	?	32·40	?
		Roshera ...	0·33	...	...	...	...	...	...	1	0·33	?	0·50	?	19·73	?
	Mozufferpore	Sitamarhi ...	...	...	...	...	...	...	...	Nil	Nil	1·33	2·44	1·60	48·34	41·28
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	1·09	0·23	1·76	29·39	42·91
		Hajipore ...	...	...	...	...	...	...	...	Nil	Nil	1·48	0·42	2·47	28·33	40·0?
		Paru ...	...	...	...	...	...	...	...	Nil	Nil	?	3·30	?	?	?
		Mahua ...	...	...	...	...	...	...	...	Nil	Nil	?	0·13	?	44·23	?
		Sidhar ...	...	...	...	...	...	...	...	Nil	Nil	?	2·16	?	27·80	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	?	0·21	?	30·30	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 10th October 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 4th Oct.	Monday, 5th Oct.	Tuesday, 6th Oct.	Wednesday, 7th Oct.	Thursday, 8th Oct.	Friday, 9th Oct.	Saturday, 10th Oct.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th May 1891.	Average rainfall from 16th May to date.
NORTH BEHAR —*concluded.*	Chumparun ...	Motihari	...	...	...	...	...	...	...	Nil	Nil	1·58	3·98	2·41	47·33	43·06
		Bettiah	...	...	...	...	...	...	...	Nil	Nil	1·50	3·39	2·10	31·22	47·05
		Bagaha	...	...	...	...	...	...	...	Nil	Nil	?	9·00	?	65·03	?
		Burhurwa ..	...	...	...	...	...	...	...	Nil	Nil	?	2·10	?	34·38	?
	Sarun ...	Gopalgunge ...	...	...	...	...	...	...	...	Nil	Nil	1·66	1·80	2·14	35·36	41·80
		Sewan	...	...	...	...	...	...	...	Nil	Nil	1·37	0·70	2·02	33·64	41·71
		Chuprah ...	...	...	...	...	...	...	...	Nil	Nil	1·39	0·34	1·79	22·75	32·43
SOUTH BEHAR	Shahabad	Buxar	0·05	...	...	...	...	...	...	Nil	0·05	0·91	1·02	1·62	19·18	30·08
		Dehree	0·06	...	...	...	...	...	...	Nil	0·06	0·21	0·50	1·31	28·06	30·49
		Bhaboosh ...	...	...	...	...	...	...	...	Nil	Nil	0·66	0·43	1·44	29·66	38·51
		Sasseram ...	...	...	...	...	...	...	...	Nil	Nil	0·77	0·77	1·92	23·48	38·14
		Arrah ...	...	...	...	...	...	...	...	Nil	Nil	1·26	1·21	1·80	37·28	38·04
		Mohaniah ..	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?	?
	Gya	Aurungabad...	...	...	...	...	...	...	...	Nil	Nil	1·15	0·36	1·94	24·28	41·06
		Gya ...	...	...	...	...	...	...	...	Nil	Nil	0·98	1·08	1·31	31·57	40·50
		Nowadah ...	...	...	...	...	...	...	...	Nil	Nil	1·02	0·33	1·42	37·30	37·95
		Johanabad ...	0·27	...	...	...	...	...	...	1	0·27	1·29	1·99	1·86	26·61	38·38
		Arwal ..	...	...	...	...	...	...	...	Nil	Nil	?	2·10	?	23·53	?
		Daudnagar ..	...	...	...	...	...	...	...	Nil	Nil	?	0·32	?	14·05	?
		Sherrghatti ..	...	...	...	0·07	...	...	...	Nil	0·07	?	1·37	?	21·31	?
		Rajauli	0·11	...	...	...	...	...	...	1	0·11	?	0·83	?	42·50	?
		Pakri Barawan	...	...	...	...	...	...	...	Nil	Nil	?	1·10	?	25·45	?
	Patna	Patna ...	1·26	...	...	...	...	...	...	1	1·26	1·26	1·51	1·78	30·50	39·62
		Dinapore	...	...	...	...	...	...	...	Nil	Nil	1·09	0·30	1·72	37·06	39·27
		Behar ...	0·07	...	...	...	...	...	...	Nil	0·07	1·22	1·10	1·70	37·68	39·60
		Barrh ...	...	0·17	...	...	...	...	...	1	0·17	0·94	0·37	1·57	40·40	37·44
		Bickram ..	0·18	...	...	...	...	...	...	1	0·18	?	2·37	?	28·69	?
		Hilsa	...	...	...	...	...	...	...	Nil	Nil	?		?		?
	Monghyr ...	Begooserai ...	0·25	1·10	...	...	...	...	...	2	1·35	1·00	1·66	1·40	31·55	37·53
		Monghyr	...	1·76	...	...	...	...	...	1	1·76	1·19	4·26	1·61	40·09	44·00
		Jamui	0·47	...	...	...	...	...	...	1	0·47	0·77	0·80	1·36	35·18	40·86
		Goora ..	...	...	...	...	...	...	...	Nil	Nil	?	2·87	?	49·72	?
		Sheikpura ..	...	0·20	...	...	...	...	...	1	0·20	?	0·50	?	35·19	?
	South Bhagulpore	Bhagulpore ..	0·06	0·09	...	...	...	...	...	Nil	0·15	1·15	0·19	1·83	39·29	40·17
		Banka	0·30	...	...	...	...	...	...	1	0·30	1·12	0·43	1·39	44·83	40·86
		Kolgong ...	...	0·05	...	...	...	...	...	Nil	0·05	?	0·20	?	39·88	?
		Bongaon ...	0·15	...	...	...	...	...	...	1	0·15	?	0·15	?	29·34	?
	Sonthal Pergunnahs.	Rajmehal ...	2·98	0·11	...	...	...	...	...	2	3·09	1·34	4·55	1·63	39·91	50·00
		Godda ..	1·15	0·05	...	...	...	...	...	1	1·20	1·11	1·37	1·53	39·64	43·00
		Pakour	4·11	1·61	...	...	...	...	...	2	5·72	1·55	6·90	1·87	42·68	52·55
		Nya Doomka	...	0·32	...	...	...	...	...	1	0·32	1·21	0·32	1·92	41·97	52·59
		Doognur	0·73	0·13	...	...	...	...	...	2	0·86	1·00	0·86	1·52	34·09	46·37
		Jamtara ...	...	...	...	...	...	...	...	Nil	Nil	0·67	0·51	1·65	53·61	45·87
		Mohagama .	...	...	...		...	...	...	Nil	Nil	?		?		?
		Nonihat ..	0·45	...					...	1	0·45	?	0·45	?	?	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba ... (*Giridi*)	...	0·12	...	...	...	...	...	1	0·12	0·82	0·12	1·28	43·00	44·97
		Hazaribagh	...	...	...	...	...	...	...	Nil	Nil	1·25	0·27	1·84	43·05	45·64
		Somtacurah	0·10	...	...	...	...	...	...	1	0·10	1·10	0·43	1·61	31·19	44·20
		Mahudi Hills	...		...		...	...	...	Nil	Nil	0·89		1·16		46·70
		Jhoomra Hills	...	...	...	...	...	...	...	Nil	Nil	0·02	0·70	1·45	49·90	58·13
		Barhi ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	30·77	?
		Chatra ..	0·11	...	...	...	...	...	...	1	0·11	?	0·71	?	29·33	?
		Karagdeha .	...	...	...	...	...	...	...	Nil	Nil	?	0·25	?	41·20	?
		Ramghar	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	40·28	?
	Lohardugga	Lohardugga...	...	...	...	...	...	...	...	Nil	Nil	1·03	0·33	1·22	40·78	48·98
		Ranchi ...	...	...	...	...	...	...	...	Nil	Nil	1·19	0·13	1·47	41·94	49·34
		Palamow	...	...	...		...	...	...	Nil	Nil	1·07	0·07	1·67	46·22	40·84
		Silli	...	...	...	...	...	...	...	Nil	Nil	?	0·10	?	44·13	?
		Balumat	...	...	...	0·05	...	...	...	Nil	0·05	?	0·98	?	30·05	?
		Hossainabad	...	...	...	...	...	...	...	Nil	Nil	?	0·20	?	?	?
		Garwah	...	...	...	...	...	...	...	Nil	Nil	?	1·06	?	40·07	?
	Singhbhoom	Chyebassa ...	...	...	...	...	0·20	...	...	1	0·20	0·81	1·10	1·05	46·49	48·34
		Chakradharpore.	...		...	...	...	...	...	Nil	Nil	?		?		?
		Ghatsilla ..	0·20	...	...	...	...	0·48	...	2	0·68	?	0·68	?	58·82	?
		Baharagura	...	...	...	...		0·35	...	1	0·35	?	0·35	?	51·77	?
	Manbhoom	Purulia ...	...	...	...	...	...	...	...	Nil	Nil	1·05	Nil	1·50	47·72	46·26
		Gobindpore	0·21	...	...	...	...	...	...	1	0·21	1·03	0·27	1·48	34·56	42·57
		Raghunathpore.	0·16	...	...	...	...	...	...	1	0·16	?	0·16	?	48·59	?
		Barrabhoom	0·23	...	...	...	...	0·15	...	2	0·38	?	0·38	?	40·18	?
		Jhalda ..	0·50	...	...	...	...	...	...	1	0·50	?	0·50	?	41·48	?
		Chas .	0·35	...	...	...	...	...	...	1	0·35	?	0·35	?	53·28	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 13*th October* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY THE 10TH OF OCTOBER 1891.

DURING the first two days of the week the disturbed conditions, which followed the filling up of the depression mentioned in the reports of the two previous weeks, prevailed in Bengal, and gradually passed off towards the east. General rain fell, especially in the northern and central districts, and temperature, owing to this general rainfall, was below the normal by about 2° in Behar and more than 6° at Rungpore and Dinagepore. Pressure was everywhere above the normal, and the rise, which set in, commenced in the west of Behar on the 4th, the first day of the present week, and gradually spread over the province, brought excess up to a tenth of an inch, and altogether altered the distribution. At first highest pressure was in the south of the Bay and lowest in Behar and North Bengal, but on the 5th the distribution was more uniform, and on the 6th the readings at Dehree and Hazaribagh were higher than at any of the stations in Bengal or on the coast. The wind circulation altered with the baric gradients and from being in the ordinary monsoon directions at the beginning of the week, by the 7th light westerly winds were blowing in Behar and northerly winds in Lower Bengal. Rainfall was very scattered on the 5th, being confined chiefly to the eastern districts, and had almost entirely ceased on the 6th Temperature then began to rise, and on the 6th there was defect at eastern stations only. Thus by the 6th settled conditions prevailed over the whole province, skies were almost cloudless, and rain had practically ceased to fall. The distribution of pressure which then obtained continued till the end of the week, and wind directions were west or north-west in the western half of the province and north or north-east in East and South-West Bengal. Pressure at times was relatively low in North Bengal and the east of Assam, causing south-westerly winds in parts of these districts, but owing to the uniformity of the pressure distribution very light, and at times variable, winds prevailed in all the northern districts. The most important change of the latter part of the week was the steady fall of humidity and till the 9th of temperature, comparatively cool dry weather prevailing, especially in Behar and North Bengal.

Pressure has been everywhere above the normal throughout the week, at first by about ·05″, except in the extreme east, where excess was about ·1″. A brisk rise prevailed on the 5th, and excess then became more than ·1″ in the north of the Bay and over the province, except close to the foot of the hills, where, however, it was just under that amount. Small irregular changes followed on the 6th, and a slow fall set in on the 7th, continuing on the 8th, after which there was a general slow rise till the end of the week. Means are largely above the normal at all stations except Darjeeling and Sibsagar, where excess is ·03″. Elsewhere the difference from the normal is about ·08″, but at a few scattered stations slightly exceeds ·1″.

Temperature has been generally below the normal, especially in the northern districts, at first because of the general rainfall, and later owing to the establishment of cold weather conditions with westerly or northerly winds over the greater part of the province. Defect averaged 2° in Behar on the 4th and was large at some of the stations in the centre of North Bengal. On the 5th low temperatures prevailed only in North Bengal, East Bengal, and Assam, and on the 6th at the extreme eastern stations only. On the 7th temperature again began to fall in the nothern districts, the change becoming general over the province on the 8th and averaging 2° in Behar. On the 9th the fall was generally between 1° and 2°, and defect was between 3° and 4° in North Behar and part of North Bengal; but on the 10th the fall was not so general, and was more than 1° at scattered stations only. The means for the large divisions are generally below the normal. Defect is 2° in North Behar, 1·7° in Assam, 1·1° in North Bengal. ·9° in East Bengal, and 8° in South Behar. There is a small excess in Orissa and Chutia Nagpur, and the mean for Orissa is normal

Rainfall.—Fairly general rain fell on the first day of the week in all districts, except Orissa and North Bengal, and numerous showers, very variable in amount, in the eastern districts on the following day, the heavy falls on the latter being in the north of South-West Bengal and in the Pubna, Bogra, Rajshahye, and Rungpore districts of North Bengal. After the 5th rain almost ceased, scattered showers only being received in Chutia Nagpur, South-West Bengal. and North Bengal. The heaviest falls on the 4th were Rungpore 5·15 inches Serajgunge 3·45 inches, Netrokona and Ulipore 3 inches, Durgapore. Gajol, Sibganj, and Bhawaniguuge more than 2 inches. On the 5th Joydebpore received 4·8 inches; Ramchandrapore. Kishoregunge, Magoora, and Mymensingh between 2 and 3 inches; and Nowkhilla and Jhenidah 1·5 inches. The mean fall for Chutia Nagpur is ·1 inch, Orissa ·15 inch, North Behar ·05 inch, South-West Bengal ·47 inch, South Behar ·7 inch, East and North Bengal 1·14 inches. There is a small excess in North Bengal, but defect is large in all the other districts, varying from ·33 inch in South Behar to 1·51 inches in Orissa.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 10th of October 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	93·9	72·1	90·2	76·6	83·4	0	0·30	1·66	−1·36	0·40	1·85	−1·45	0·30	2·33	48·10	47·78
South-West Bengal ...	92·3	70·9	90·1	76·5	83·3	+0·5	0·47	1·15	−0·68	0·76	1·59	−0·83	0·56	1·53	42·34	48·18
East Bengal	90·3	70·6	87·5	74·8	81·2	−0·9	1·14	1·51	−0·37	1·72	1·64	+0·08	1·17	2·16	56·04	69·71
North Bengal	91·9	64·6	87·7	72·9	80·4	−1·1	1·14	1·07	+0·07	1·16	1·41	−0·25	1·92	1·75	47·30	65·98
North Behar	91·3	61·8	88·5	70·6	79·5	−2·0	0·05	1·28	−1·23	0·19	1·01	−0·82	1·36	1·80	35·50	46·52
South Behar	91·4	66·0	88·8	72·9	80·9	−0·6	0·71	1·04	−0·33	0·67	1·03	−0·36	1·32	1·62	34·85	41·61
Chutia Nagpur	86·7*	65·4*	84·4*	68·6*	76·5*	+0·1*	0·10	0·99	−0·89	0·45	1·23	−0·78	0·28	1·43	41·31	46·90
Assam	90·5	69·8	84·8	73·2	79·0	−1·7										

* Chyobassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 13*th October* 1891.

C. LITTLE,
for Meteorological Reporter to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of September 1891.

	Inches.	Date.	Hour.
The mean pressure of the month	29·688		
The average pressure of September from 24 years' registers ...	29·682		
The highest pressure in the month	29·864	28th	10
The lowest pressure in the month	29·495	5th	16
The range of pressure	0·369		
	Hours.		
The total number of hours of bright sunshine during the month	136·5		
The maximum possible number of hours of sunshine ...	367·0		
	ϴ		
The mean temperature of the month	82·0		
The average temperature of September from 24 years' registers	83·3		
The highest temperature in the month	91·1	15th	
The lowest temperature in the month	74·0	21st	
The range of temperature during the month	17·1		
The mean daily range of temperature	9·2		
The greatest range of temperature in one day	13·4	10th	
	Per cent.		
The mean humidity of the month	88		
The average humidity of September from 24 years' registers ...	85		
	Inches.		
The mean vapour tension of the month	0·960		
The average vapour tension of September from 9 years' registers	0·987		
The mean cloud proportion of the month	6·68		
The average cloud proportion of September from 14 years' registers	7·06		
The total rainfall of the month	9·25		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	9·13		
The average fall of September from 48 years' registers ...	10·18		
The greatest fall in 24 hours	1·34	11th	
	Days.		
The number of rainy days in the month	26		
The average number of rainy days in September from 24 years' registers	21		
	ϴ		
The mean maximum equilibrium temperature of solar radiation during the month	144·4		
The mean difference of sun and air temperatures	57·5		
The greatest sun temperature	156·2	14th & 16th	
The greatest excess of sun over air temperature	68·2	5th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	76·0		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	1·9		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	3·5	30th	
	Miles.		
The mean movement of the wind per day	111·8		
The greatest movement of the wind in one day	191·0	18th	
The greatest movement of the wind in one hour	18·0	22nd, noon to 1 P.M.	

The number of hours with winds from each of the 8 points—

N. 11, N.E. 31, E. 183, S.E. 204, S. 138, S.W. 113, W. 10, N.W. 11, Calm 19.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently equal; and finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 7th October 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 4th to 10th October 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Oct.	4th	147·5	9·8	29·836	82·9	87·6	11·5	76·1	79·0	0·944	77·5	84	SW and SSW ...	160	Nil	Partially cloudy.
,,	5th	148·7	9·0	·888	83·3	89·8	10·6	79·2	79·7	·969	78·3	85	SSW, WSW and variable.	79	0·10	Partially cloudy, t, p, [dew symbol].
,,	6th	147·7	7·2	·904	83·2	90 2	12·9	77·3	79·2	·946	77·6	84	W and calm ...	52	Nil	Partially cloudy, [dew symbol].
,,	7th	144·2	10·4	·893	83·2	89 4	11·9	77·5	79·0	·936	77 2	83	NNW and calm ...	46	,,	Chiefly clear, [dew symbol].
,,	8th	143·5	10·5	·864	82·8	88·7	11·0	77·7	78 4	·913	76·5	82	N by W and calm ...	61	,,	Chiefly clear. [dew symbol].
,,	9th	143·0	9·5	·895	80·8	87·6	13·2	74·4	74·3	·762	71·1	72	N by W, N and calm	59	,,	Partially cloudy, [dew symbol].
,,	10th	146 9	8·2	·899	80·3	87·8	13·1	74·7	74 3	·769	71·4	74	N and ENE ...	68	,,	Partially cloudy, [dew symbol].

	Inches.
The mean pressure of the seven days	29·883
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·779
	Hours.
The total number of hours of bright sunshine	64·6
The maximum possible number of hours of sunshine	82·4
	°
The mean temperature of the seven days	82·4
The average temperature of the corresponding period for 24 years, S.-G.'s Office	82·9
The extreme variation of temperature	15·8
The maximum temperature	90·2
	Miles.
The highest velocity of the wind in one hour	14
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	81
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	81
	Inches.
The total fall of rain from 4th to 10th October 1891	0·10
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	1·90
The total fall from 1st January to 10th October 1891	46·42
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	61·36

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended *four feet* above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

t, thunder; p, passing temporary showers; [dew symbol], dew.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 12th October 1891.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of September 1891.

		Inches.	Date.
The mean pressure at 10 A.M. during the month	... ...	29·743	
		°	
The mean temperature at 10 A.M. during the month	... ...	83·3	
The highest temperature during the month	... ...	93·0	15th
The lowest temperature during the month	... ...	74·8	27th
The absolute range of temperature during the month	... ...	18·2	
The mean daily range of temperature during the month	...	10·7	
The greatest range of temperature in one day during the month	...	14·2	27th
		%	
The mean 10 A.M. humidity during the month	... ...	84	
		Inch.	
The mean 10 A.M. vapour tension during the month	... ...	·989	
		Inches.	
The total rainfall of the month	... ...	8·54	
The greatest fall in 24 hours	... ...	1·47	5th
The number of rainy days in the month	... ...	17	

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 5th October 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 4th to 10th October 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature. Daily mean.	Maximum.	Range.	Minimum.	Hygrometry. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
October ...	4th ...	29·908	83·1	89·8	13·5	76·3	82·4	79·8	·983	78·7	89	0·15
,, ...	5th ...	·968	85·0	91·0	12·0	79·0	87·2	81·5	·999	79·2	78	Nil
,, ...	6th ...	·973	85·2	92·5	14·7	77·8	87·6	81·5	·994	79·1	76	,,
,, ...	7th ...	·957	84·8	91·5	13·5	78·0	88·6	79·5	·887	75·6	66	,,
,, ...	8th ...	·915	84·2	90·5	12·7	77·8	87·6	77·7	·815	73·1	62	,,
,, ...	9th ...	·962	81·8	89·0	14·4	74·6	86·1	73·6	·661	60·9	53	,,
,, ...	10th ...	·962	82·9	90·0	14·2	75·8	85·6	75·5	·748	70·5	61	,,

		Inches.
The mean 10 A.M. pressure of the seven days	... ...	29·949
		°
The mean temperature of the seven days	... ...	83·9
The extreme variation of temperature	... ...	17·9
The maximum temperature	... ...	92·5
		%
The mean 10 A.M. relative humidity of the seven days	... ...	69
		Inches.
The total fall of rain from 4th to 10th October 1891	... ...	0·15

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 12th October 1891.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the five weeks ending 29th August 1891, as compared with the same period of 1890.

Staples.	1890.		1891.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Coke	2,52,362	36,137	2,59,777	40,739	7,415	4,602	......	......
Cotton, raw	15,874	14,174	21,208	16,311	5,334	2,137	......	......
Cotton twist and yarn—								
1.—European	7,082	8,339	6,003	8,229	......	......	1,079	110
2.—Indian	17,455	10,493	23,497	13,948	6,042	3,455	......	......
Cotton piece-goods—								
1.—European	66,248	72,482	80,063	94,557	13,815	22,075	......	......
2.—Indian	18,801	11,717	12,684	7,720	......	......	6,117	3,997
Drugs and chemicals—								
1.—Intoxicating other than opium	878	641	1,586	719	708	78	......	......
2.—Non-intoxicating	2,413	2,615	10,089	10,221	7,676	7,606	......	......
Dyes and tans—								
1.—Indigo	896	395	704	234	......	......	192	161
2.—Myrabolams	3,104	983	6,150	2,110	3,046	1,127	......	......
3.—Aniline dyes	......	......	215	209	215	209	......	......
4.—Cutch	......	......	3,077	1,313	3,077	1,313	......	......
5.—Paints and colours	1,900	1,682	5,884	2,698	3,984	1,016	......	......
6.—Others	3,001	2,441	1,077	667	......	......	1,924	1,774
Grains—								
1.—Wheat	2,82,921	78,475	6,64,280	1,77,743	3,81,359	99,268	......	...
2.—Rice	5,40,916	1,03,149	4,78,270	1,06,559	......	3,410	62,646	......
3.—Jawar and bajra	......	......	19,295	2,157	19,295	2,157	......	......
4.—Gram	2,91,757	74,236	99,317	19,461	......	......	1,92,440	54,775
5.—Indigo seed	21,244	10,309	39,741	15,528	18,497	5,219	......	......
6.—Seeds other than oil-seeds	28,935	13,523	31,657	12,710	2,722	......	......	813
7.—Others	1,68,468	21,919	3,86,244	82,406	2,17,776	60,487	......	......
Hides and skins—								
1.—Hides of cattle	20,940	9,411	20,396	11,227	......	1,816	544	......
2.—Skins of sheep, &c.	11,023	5,841	17,354	9,165	6,331	3,324	......	......
Horns	1,934	1,246	1,870	1,379	......	133	64	......
Jute—								
1.—Raw	28,766	3,759	6,850	1,280	......	......	21,916	2,479
2.—Gunny-bags and cloth	42,205	19,926	89,826	48,353	47,621	28,427	......	......
Lac—								
1.—Stick	18,579	6,253	24,254	7,810	5,675	1,557	......	......
2.—Shell lac	11,877	6,772	19,558	13,862	7,681	7,090	......	......
Leather—								
1.—Unmanufactured	1,876	3,557	2,076	3,843	200	286	......	......
2.—Manufactured	1,317	1,645	3,402	3,293	2,085	1,648	......	......
Liquors—								
1.—Beer	3,896	4,025	8,161	4,377	4,265	352	......	...
2.—Wines	} 4,024	} 6,657	2,350	8,829	} 587	} 175	......	......
3.—Spirits			2,261	3,003				
Metals—								
1.—Copper, unwrought			3,475	3,570				
2.—Brass, unwrought	} 22,302	} 15,947	2,762	1,246	}	}	} 5,107	} 5,563
3.—Brass and copper, wrought			10,958	5,568				
4.—Iron	83,537	47,365	1,81,567	1,09,777	98,030	62,412	......	......
5.—Tin	1,117	1,483	3,748	3,283	2,631	1,800	......	......
6.—Others	2,554	1,593	6,835	4,685	4,281	3,092	......	......
Oils—								
1.—Castor			2,763	688				
2.—Kerosine	} 1,21,912	} 52,265	76,600	40,514	}	}	} 33,708	} 6,976
3.—Others			8,742	4,087				
Oil-seeds—								
1.—Linseed	5,45,299	1,65,913	8,40,614	2,61,479	2,95,315	95,566	......	......
2.—Rape and mustard	60,180	11,269	1,04,545	22,708	44,365	11,439	......	......
3.—Til or jinjili	1,211	351	11,980	2,411	10,769	2,060	......	......
4.—Castor	......	......	47,478	11,539				
5.—Poppy	......	......	17,088	4,471	} 45,067	} 16,819	......	......
6.—Others	61,778	16,037	44,279	16,846				
Opium	83	48	528	483	405	435	......	......
Paper and paste board	8,833	5,947	9,551	5,393	718	......	......	554
Provisions—								
1.—Ghee	29,529	23,329	30,490	23,436	961	107	......	......
2.—Dried fruits and nuts	18,938	16,885	88,849	14,854	69,913	......	......	2,031
3.—Cocoanuts	5,496	3,087	5,633	2,881	137	......	......	206
4.—Turmeric	8,996	9,570	8,208	6,394	......	......	788	3,176
5.—Others	39,454	22,341	80,713	36,252	41,250	13,921	......	...
Salt	3,26,746	73,731	3,65,939	69,222	39,193	......	......	4,509
Saltpetre, &c.—								
1.—Saltpetre	31,187	14,704	32,226	15,747	1,030	1,043	......	......
2.—Borax	713	601	645	632	......	31	68	......
3.—Other saline substances	30,363	8,823	40,025	11,314	9,662	2,491	......	......
Silk, raw—								
1. Foreign	} 1,502	1,160	1,160	885	......	......	342	275
2. Indian								
Silk piece-goods—								
1.—Foreign	16	8	61	63	45	55	......	...
2.—Indian	346	356	196	185	......	......	150	171
Spices—								
1.—Pepper	} 10,212	} 6,945	5,817	7,369	} 7,971	} 7,275	......	......
2.—Others			12,566	6,851				
Sugar—								
1.—Drained	26,656	3,979	21,977	8,474	......	4,495	4,679	......
2.—Undrained	84,087	28,704	83,670	13,151	......	......	417	15,553
Stone and lime	2,98,627	38,528	2,52,766	29,994	......	......	45,861	8,022
Tea—								
1.—Foreign	3	3	25	9	22	6	......	......
2.—Indian	2,744	2,213	3,135	2,846	391	633	......	......
Timber, &c.—								
1.—Timber	20,804	3,234	54,573	11,639	33,769	8,405	......	......
2.—Firewood	18,512	546	11,589	479	......	......	6,923	107
Tobacco	26,759	9,411	44,679	22,097	17,920	12,686	......	......
Umbrellas	......	......	405	532	405	532	......	......
Wool—								
1.—Raw	1,111	748	1,265	753	154	5	......	......
2.—Piece-goods—								
a.—European	446	886	476	1,001	30	115	......	......
b.—Indian	881	989	2,545	2,457	1,664	1,468	......	......
3.—Shawls	1	2	2	2	1	......	......	......
All other articles of merchandise	2,86,425	1,35,208	2,87,533	96,730	1,108	......	......	38,563
Total	40,50,010	12,57,039	51,57,756	16,12,483	11,07,756	3,55,444	......	......
Military stores	20,279	27,799	18,931	35,002	......	7,203	1,348	......
Coal—								
1.—For public	35,77,596	5,41,439	36,12,182	5,51,395	34,586	9,956	......	......
2.— „ Railway	4,73,586	35,973	5,21,728	40,105	48,142	4,132	......	......
Railway Materials—								
1.—For construction and revenue	5,24,740	1,25,928	11,58,393	79,949	6,33,653	......	......	45,979
Live-stock	......	3,197	......	7,680	......	4,483	......	......
Total	86,46,201	19,91,375	1,04,68,990	23,26,614	18,22,789	3,35,239	......	......

E. WEATHERDON, *Assistant Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, *the 6th October* 1891.

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of July 1891, *as compared with the same month of the previous year.*

STAPLES.	1891. Up.	1891. Down.	1890. Up.	1890. Down.	Total. 1891.	Total. 1890.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,834	2,329	2,682	2,251	19,152*	17,462†	1,690	......
Cotton, raw	1	131	2	117	132	119	13	... ..
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	2,453	144	2,136	130	2,597	2,266	331	......
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	1,783	2,694	1,660	3,411	4,477	5,071	.....	594
5.—Others	1,770	3,369	1,226	3,868	5,139	5,094	45	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	10	517	... ..	580	527	580	......	53
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	......	1,100	... ..	881	1,100	881	309	... ..
b.—Unscrewed	.. .	5,267	3	18,348	5,267	18,351	... ..	13,084
2.—Gunny-bags and cloth	305	1,147	69	977	1,452	1,046	406	......
Metals—								
1.—Copper, unwrought								
2. Brass, unwrought								
3.—Brass and copper, wrought	709	76	1,233	58	785	1,291	......	506
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	2,342	9	776	... ..	2,351	776	1,575	......
3.—Others	330	81	410	75	411	485	......	74
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	357	4,306	170	3,183	4,663	3,353	1,310	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel	127	854	104	661	981	765	216	......
3.—Others	558	428	445	178	986	623	363	..
Railway plant and rolling-stock	......	... .	... ..	......	9,713‡	10,985	...	1,272
Salt	6,675	37	5,400	24	6,712	5,424	1,288	......
Sugar—								
1.—Drained	1,259	421	975	205	1,680	1,180	500	......
2.—Undrained								
Tea—								
1.—Foreign	.....	4,592	... ..	1,797	4,592	1,797	2,795	......
2.—Indian								
Wood—								
1.—Timber	188	91	50	33	279	83	196	......
2.—Firewood	1,699	... .	1,863	......	1,699	1,863	... .	164
Tobacco	107	2,005	62	2,077	2,112	2,139	......	27
All other articles of merchandise—								
1.—Unmanufactured	3,045	2,609	4,509	2,605	5,654	7,114	......	1,460
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Sections) ..	538	......	537	......	538	537	1	......
Total ...	26,090	32,297	24,312	41,459	83,989	80,285	11,038	17,234

* Includes 14,989 tons carried for Revenue, for which no "Up" and "Down" register maintained.
† Ditto 12,529 ditto ditto ditto.
‡ Railway plant and rolling stock 9,713 tons and 10,985 tons for the year 1891 and 1890 respectively, for which no "up and down" register maintained.

Statement of principal commodities carried over the Eastern Bengal State Railway during the month of July 1891.

INCREASES.

	Tons.		Tons.
Coal	1,600	Salt	1,288
For railway and flotilla consumption.		Large despatches from Chitpore.	
Kerosine oil	1,575	Tea	2,795
Due to opening of Budge-Budge Branch.		Good season.	
Oil-seeds	1,310		
Good crops and an improved market.			

DECREASES.

	Tons.
Jute	13,084
The decrease was in despatches from Serajgunge, Goalundo, Pachooria, Pangsa and principal Jute booking stations on the Northern Section, and is said to be due to the uncertain nature of the crop and its backward condition.	
Railway plant and rolling stock	1,272
Probably due to lesser repairs and renewals.	

P. D. BARCLAY,
Traffic Superintendent.

CALCUTTA, *the 28th September* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 3rd October 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	165,948	73,410 0 0	8,19,526 0	2,10,010 0 0	15,740 0 0	3,08,160 0 0	2[illegible],000	40,000	66,000
Or per mile of railway	214	94 0 0	1,092 0	282 0 0	†10 0 0	392 0 0	......	......	......
For previous 13 weeks of half-year*	1,936,000	8,24,846 0 0	79,41,914 0	18,19,978 0 0	1,53,613 0 0	27,98,437 0 0	336,700	426,891	763,591
Total for 14 weeks ...	2,101,948	8,98,256 0 0	87,00,440 0	20,38,988 0 0	1,60,351 0 0	31,06,597 0 0	362,700	466,891	829,591
Comparison.									
Total for corresponding week of previous year	162,701	65,926 0 0	654,027 0	1,70,642 0 0	17,936 0 0	2,54,504 0 0	22,497	32,294	54,791
Per mile of railway corresponding period of previous year ..	213	80 0 0	857 0	224 0 0	†10 0 0	329 0 0	.....	......	.....
Total to corresponding date of previous year	1,918,190	7,83,037 0 0	83,24,197 0	19,50,322 0 0	2,19,595 0 0	29,52,954 0 0	3[illegible]7,051	432,737	759,788

* Audited up to week ending 22nd August 1891.
† Excluding steam-boat earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 3rd October 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	26,249	8,550 0 0	90,633 0	7,020 0 0	100 0 0	16,600 0 0	3,222	2,450	5,672
Or per mile of railway . ..	210	68 0 0	725 0	63 0 0	2 0 0	133 0 0		..	......
For previous 13 weeks of half-year*	339,299	1,12,097 0 0	589,380 0	44,892 0 0	3,707 0 0	1,60,608 0 0	47,627	24,021	71,648
Total for 14 weeks ..	365,548	1,20,647 0 0	680,013 0	52 812 0 0	3,807 0 0	1,77,356 0 0	50,849	26,471	77,320
Comparison.									
Total for corresponding week of previous year	29,735	9,138 0 0	55,260 0	5,205 0 0	92 0 0	14,525 0 0	3,922	1,918	5,840
Per mile of railway corresponding week of previous year ..	238	73 0 0	442 0	42 0 0	1 0 0	116 0 0	.	...	.....
Total to corresponding date of previous year	343,580	1,07,341 -0 0	5,20,322 0	39,006 0 0	2,457 0 0	1,49,704 0 0	48,651	24,609	73,260

* Audited up to week ending 22nd August 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd October 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs A P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	18,375	6,010 0 0	28,783 0	2,380 0 0	130 0 0	8,520 0 0	2,800	930	3,730
Or per mile of railway	214	70 0 0	335 0	28 0 0	1 0 0	99 0 0	......	......	......
For previous 13 weeks of half-year	213,804	67,180 0 0	1,71,291 0	12,710 0 0	2,010 0 0	81,900 0 0	34,805	10,257	45,062
Total for 14 weeks ...	232,179	73,190 0 0	2,00,074 0	15,090 0 0	2,140 0 0	90,420 0 0	37,605	11,187	48,792
Comparison.									
Total for corresponding week of previous year	18,597	5,709 0 0	24,401 0	2,067 0 0	228 0 0	8,004 0 0	2,409	715	3,124
Per mile of railway corresponding period of previous year	216	66 0 0	284 0	24 0 0	3 0 0	93 0 0	......	......	......
Total to corresponding date of previous year	210,768	65,061 0 0	2,00,398 0	16,504 0 0	4,593 0 0	86,158 0 0	33,152	10,176	43.328

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd October 1891, on 27¼ miles open.

	Coaching Traffic.				Merchandise and Mineral Traffic.			Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.			Weight carried.		Receipts.			Coaching.	Merchandise.	Total.
		Rs.	A.	P.	Mds.	S.	Rs.	Rs.	Rs.			
Total traffic for the week ...	2,915	900	0	0	17,350	0	900	20	1,820	519	519	1,038
Or per mile of railway	107	33	0	0	637	0	33	1	67	......	......	......
For previous 13 weeks of half-year*	38,516	14,187	0	0	1,46,211	0	7,528	218	21,933	6,761	6,431	13,192
Total for 14 weeks ...	41,431	15,087	0	0	1,63,561	0	8,428	238	23,753	7,280	6,950	14,230
COMPARISON.												
Total for corresponding week of previous year	2,922	985	0	0	18,809	0	1,068	30	2,083	546	599	1,145
Per mile of railway corresponding week of previous year ...	107	36	0	0	690	0	39	1	76	.....	.....	...
Total to corresponding date of previous year	39,907	13,974	0	0	1,32,365	0	7,072	233	21,279	7,442	7,814	15,256

* Audited up to week ending 22nd August 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 26th September 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	81,430	30,440	2,14 230	26,120	7,330	63,890	13,340	11,972	25,3[illegible]
Or per mile of railway	112·94	42·22	297·13	36 23	10·16	88·61	......	...	.....
For previous 11½ weeks of half-year	946,259	3,74,333	34,50,735	4,06,917	99,283	(b) 8,80,533	138,164	167,644	(b) 305,798
Total for 11½ weeks ...	1,027,689	4,04,773	36,64,965	4,33,037	1,06,613	(b) 9,44,423	151 503	179,616	(b) 331,119
COMPARISON.									
Total for corresponding week of previous year on 691 miles open	79,807	29,715	(a) 2,07,830	26,063	6,034	61,812	11,810	11,372	2[illegible],182
Per mile of corresponding week of previous year	115·49	43·00	300·77	37·72	8 73	89·45	......	......	.....
Total to corresponding date of previous year	934,340	3,31,032	32,20,831	3,68,091	79,210	7,77,933	143,795	146,390	290,[illegible]85

(a) Approximate figures.
(b) Includes audited figures up to 18th July 1891.

EARNINGS.

Heads.	B. & N.-W. Railway.						Tirhoot State Railway.					
	Week ending 26th September 1891.			Week ending 27th September 1890.			Week ending 26th September 1891.			Week ending 27th September 1890.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Coaching	14,270	0	0	14,405	0	0	16,170	0	0	15,310	0	0
Goods	12,200	0	0	10,728	0	0	13,920	0	0	15,335	0	
Other earnings	4,110	0	0	3,869	0	0	3,220	0	0	2,165	0	0
Total ...	30,580	0	0	29,002	0	0	33,310	0	0	32,810	0	0

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No. 42 of 1891.

SUPPLEMENT TO
The Calcutta Gazette.

WEDNESDAY, OCTOBER 21, 1891.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE *may receive the* SUPPLEMENT *separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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RESOLUTION ON THE REPORT OF THE COMMITTEE FOR THE MANAGEMENT OF THE CALCUTTA ZOOLOGICAL GARDENS FOR THE YEAR 1890-91.

REVENUE DEPARTMENT—MISCELLANEOUS (F).

Darjeeling, the 2nd October 1891.

RESOLUTION No. 558T—R.

READ—

The Report of the Honorary Committee for the Management of the Calcutta Zoological Gardens for the year 1890-91.

The Lieutenant-Governor is glad to observe in the report now submitted a decided improvement in the financial position of the gardens as compared with the previous year, the total receipts having amounted to Rs. 42,960 as against Rs. 37,630, while the expenditure decreased from Rs. 46,285 to Rs.35,330. The result was an increase in the closing balance at the credit of the Society from Rs. 2,624 to Rs. 7,620. The increased receipts were chiefly due to a larger number of visitors owing to the bathing ceremony in connection with the *Ardhodya Yoga* and to an unexplained rise in the rents realised from Rs. 1,355 in the previous year to Rs. 2,305. The reduction in expenditure under the heads of repairs and construction alone amounted to over Rs. 10,000.

2. The number of visitors who were admitted to the gardens amounted to 136,410, exclusive of a considerable number of students and children admitted free of charge. This shows an increase of 26,841 as against the previous year, the chief cause of which has been explained above.

3. Altogether 227 additions were made to the collections (viz. 124 birds, 85 mammals, and 18 reptiles), of which 18 were born in the gardens, and the rest obtained either by presentation or by purchase or exchange. Among the more important acquisitions were a Greater Bird of Paradise presented by His Highness the Maharaja of Doomraon, a pair of Ursine Dasyure from Melbourne, a Hairy Tapir from Columbia, and a trans-Indus Markhoor from the Political Officer at Khyber. This last animal was sent to the Zoological Society's Gardens in London, as the climate of Bengal was not likely to suit it.

4. The thanks of the Lieutenant-Governor are due to the Committee of Management and to their Honorary Secretary, Dr. D. D. Cunningham, for the labour which they have bestowed on the management of the gardens during the year.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT OF THE BOARD OF REVENUE ON WARDS' AND ATTACHED ESTATES IN THE LOWER PROVINCES FOR THE YEAR 1890-91.

REVENUE DEPARTMENT—LAND REVENUE.

Dated Darjeeling, the 16th October 1891.

RESOLUTION No. 724 T.R.

READ—

The Report of the Board of Revenue on Wards' and Attached Estates in the Lower Provinces for the year 1890-91.

Preliminary.

The Board's report, due on the 31st August, was issued from the press on that date, and such punctuality deserves favourable notice. The Commissioners' reports, due to the Board on 1st July, were all received by the 7th July, except two; that for Rajshahye was not received by the Board till the 10th July, that for Orissa on the 14th idem, and the supplementary report for the Burdwan Raj Estate, due on the 10th July, not until the 18th. His Honour trusts that such delays as are noticed in these three cases will not occur again. So far as they are caused by dilatoriness in the managers' offices, they reflect unfavourably on the management. Sir Charles Elliott has observed with pleasure the excellence of the form of the Board's report, which follows the plan adopted for the first time in the preparation of the report for 1887-88.

Collections.

2. The number of private estates under the management of the Board has decreased from 157 in 1887-88 to 139 in the year under review. Of the 139, 69 were Wards' estates and 70 were attached, encumbered and trust estates. The arrear demand of the revenue and cesses due to Government amounted to only Rs. 19,816; the current demand was Rs. 52,67,747: of these amounts Rs. 51,84,695 were paid. The Lieutenant-Governor desires that the form contained in the Board's paragraph 4 may be improved by adding a column to show the total demand, sub-dividing the column "Payments" into (*a*) arrear, and (*b*) current, and showing in a new column the percentage of current collections on current demand. The balances, Rs. 28,177, were comparatively small, though higher than the previous year. The excuse of want of funds should not be accepted. Nearly half this amount, viz., Rs. 13,401, was due from the Syudpore Trust Estate in Khulna. As the collections amounted to Rs. 1,80,120, and the Government demand is Rs. 1,12,517, it is not understood why the Government revenue was not fully paid within the year. If the money was diverted to the other objects of the Trust Fund, it should be remembered that the Government revenue has the first claim on an estate, and must always be first satisfied. The collections of rent and cesses due to superior landlords exceeded the current demand, and the balances on these accounts were less than last year. Still the

amount, Rs. 43,473, is considerable, being over 10 per cent. of the current demand. His Honour does not understand why these balances should appear at all, and why they are not paid into Court, leaving the claimants to settle their own affairs. The important work, however, of the managers of Wards' estates consists in the collections of rent and cesses due to the estates. The figures for the past five years are exhibited in the following statement:—

YEAR.	Arrear demand.	Current demand.	Collections.	Percentage of collections on current demand.	Remissions.	Balances.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1886-87	81,67,509	1,02,96,569	(a)96,80,751	94·0	3,00,426	84,84,423
1887-88	1,16,36,922	1,02,46,459	(b)99,81,714	97·4	2,15,827	1,16,96,615
1888-89	1,12,89,022	1,03,44,565	(c)97,18,391	93·9	10,70,426	1,08,42,802
1889-90	1,08,46,289	1,00,15,159	(d)1,02,89,887	102·7	24,52,188	81,84,669
1890-91	79,81,432	98,29,588	(e)96,35,714	98·0	7,57,403	74 24,535

(a) and (b) includes advance collections of Rs 10,775 and Rs. 1,532 respectively.
(c) excludes, after adjustment, advance collections of Rs. 1,958.
(d) includes advance collections of Rs. 65,296.
(e) includes advance collections of Rs. 6,632.

The apparently satisfactory ratio of 98 per cent. collected on the current demand conveys an erroneous impression from the fact that this is a comparison of total collections with current demand. There should be a revision of the columns to show the total demand, the percentage of total collections on total demand, and the percentage of current collections on current demand. It is not creditable that the collections of the year should not even equal the current demand, and it is only by extensive remissions that the balances have decreased as they have. The failure to collect properly is most conspicuous in the Patna and Orissa Divisions. The remissions, large as they are, Rs. 7,57,403, might apparently have well been larger, as, of the enormous balances amounting to Rs. 74,24,535, some 16 lakhs of rupees are classified as irrecoverable, 2¾ lakhs doubtful and disputed, over 4 lakhs doubtful but not disputed, and 50 lakhs, *i.e.*, about two-thirds of the total balances, are good and in process of recovery. The Lieutenant-Governor can only repeat what has often been previously said, that every effort should be made to realise such amounts as are likely to be recovered, and the bad debts remitted. It has not been explained why the balances due in the Deo and Dhalbhum estates increased in the course of the year.

Management.

3. The actual cost of management, *i.e.*, including the managers' pay, establishment, travelling allowances, and contingencies, amounted to Rs. 7,36,616, or 7·4 per cent. on the current rent and cess demand of the estates. This is almost the same as the percentage of the previous two years. The total charges, including the amount spent on survey and settlement and the construction and repairs of cutcherry buildings, came to Rs. 8,91,547, or 9·0 per cent. on the same demand. The management charges proper are very high in the Dacca and Bhagulpore Divisions and have increased in Orissa. The survey and settlement charges were reduced, some of the principal operations having been completed. There was a slight excess of the charges of the year over the receipts, and the surplus to the credit of the general management rate stood at the end of the year at Rs. 79,607. The Lieutenant-Governor has submitted to the Government of India proposals for the levy of a proper charge for the supervision of the Court of Wards' affairs, which take up a serious proportion of the time of the higher revenue authorities. A revised set of instructions has been issued with a view to provide for the audits of the accounts of important estates, by the Examiner of Local Accounts and his staff, being made shorter and at more frequent intervals; and steps have been taken to have the monthly audits of all estates carried out regularly and thoroughly.

4. The main financial results of the year in all the estates taken collectively were as follows:—

Financial results.

		Rs.
Receipts	Cash balance at end of 1889-90	15,93,296
	Collections of rents and cesses	96,35,714
	Debts recovered	1,48,125
	Miscellaneous	17,24,189
	Suspense account	13,06,135
	Total ...	1,28,14,163
	GRAND TOTAL ...	1,44,07,459
Disbursements	Revenue and cesses paid to Government ...	51,84,695
	Management and treasury rates paid to Government	81,351
	Rent and cesses due to superior landlords ...	4,63,847
	Management of property	8,91,547
	Law expenses	2,69,762
	Maintenance of the ward and his family, ceremonies, &c. ...	11,78,088
	Education of the ward	45,748
	Subscriptions to schools	59,241
	Ditto to dispensaries	32,255
	Repairs and up-keep of buildings	2,13,178
	Improvement of the Wards' Estates	58,404
	Other expenses	5,44,753
	Debts paid	15,94,281
	Investments	7,90,828
	Suspense account	12,22,718
	Total ...	1,26,30,696
Cash balance at end of 1890-91	... ...	17,76,763
	GRAND TOTAL ...	1,44,07,459

As the Board rightly remark, the figure shown under "Suspense account" is far too large; and the heading "Other expenses" should be broken up in future, so as to explain the nature of the large outlay debited to it.

There were still debts outstanding to the amount of Rs. 37,16,022 and Government securities and railway debentures were held to the value of Rs. 44,25,722.

5. In paragraphs 54-60 an interesting account is given of what has been done by the Court of Wards to manage and improve seven out of the eight estates which, after having been in its hands for several years, were released from management during 1890-91. The figures given in the report are compiled in the following table, but the same information is not given for all estates, and consequently all the columns cannot be filled up. In future this table should be included in the report, and an account should be given of all improvements which have been effected in the estates during the period they were under the Court's management:—

Estates released.

NAME OF ESTATE.	RENT-ROLL RAISED.		Total collections.	Debts due, including interest.	Debts paid off.	Improvements.	Surplus and cash balance at close.	REMARKS.
	From.	To.						
1	2	3	4	5	6	7	8	9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Nayabasan	23,799	31,454	2,14,605	5,452	5,452	4,059	93,955	
Poonjri	9,945	11,395	1,09,014	52,444	52,444	..	1,04,310	
Supur .. .	......	. ..	85,087	1,20,720	(a)1,20,720	. ..	7,157	(a) Debts paid off mainly through sale of part of the estate. Hence columns 2 and 3 not filled up.
Jeridih .. .	2,333	3,582	59,532	41,880	(b)41,661	... ..	635	(b) Rs. 21,292 of the debt paid by the sale of two villages.
Silli ...	3,187	7,536	73,631	24,174	24,174	(c)4,512	. . .	(c) Cost of settlement and survey.
Dhadka .	2,095	2,370	20,660	13,635	(d)13,635	... .	......	(d) Rs. 6,000 received as bonus on a prospecting lease.
Satrakhani ...	2,288	. ...	23,918	10,505	(e)10,505	......	......	(e) Rs. 11,000 received as bonus on a prospecting lease.

6. Some idea of the financial management of a number of the principal estates still under the Court of Wards can be obtained from the following statements, which show the surplus and deficit estates separately :—

I.—Surplus Estates.

NAME OF ESTATE.	Receipts of year.	Obligatory expenditure.	Maintenance of Ward.	Education of Ward.	Subscriptions to schools.	Subscriptions to dispensaries.	Survey and settlement.	Improvements.	Debts paid.	Investments.	Suspense and cash balance.
1	2	3	4	5	6	7	8	9	10	11	12
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Burdwan	56,67,722	39,08,725	4,33,674	3,000	25,308	13,950	30,148	6,364	6,41,688	3,16,784	2,78,996
2. Tikari	7,61,408	4,75,842	1,27,020	2,045	6,329	1,733	185	5,750	10,508	100	1,32,015
3. Dighaputea	13,63,909	4,97,319	1,04,945	3,805	6,256	4,780	302	5,440	197	1,59,330	5,81,744
4. Nashipore (mal) .	4,00,224	2,09,894	22,280	..	..	..	190				1,13,800
5. Cossimbazar ...	10,22,323	2,47,439	69,565	2,521	5,258	2,194	40,672	3,357	...	1,76,527	4,83,790
6. Srinagar	4,93,147	2,20,825	29,728	2,780	174	1,052	17,152	1,218	...	52,604	1,67,714
7. Narhan	2,67,746	98,995	26,043	7,020	380	9	195	...	31	48,832	80,261
8. Syudpore	1,86,857	1,70,436	..	..	3,127	696	1,058	781	...	150	10,609
9. Bhowanipore ..	3,97,157	1,11,133	17,800	203	42	25	24	6,998	10,163	...	2,50,769
10. Maldwar .	1,08,224	1,13,416	11,698	75	201	843	6,113	733	.	.	35,146
11. Dhankura ...	2,55,780	72,064	31,714	478	718	36	228	3,959	538	495	1,45,650
12. Dakhin Shabazpore	2,32,725	1,42,422	50	..	72	.	2,088	308	11	.	87,774
Total ...	1,12,23,372	63,28,510	8,65,517	21,787	47,951	25,320	1,07,335	34,757	6,63,136	7,54,722	23,74,329

II.—Deficit Estates.

NAME OF ESTATE.	Receipts of year.	Obligatory expenditure.	Maintenance of Ward.	Education of Ward.	Subscriptions to schools.	Subscriptions to dispensaries.	Survey and settlement.	Improvements.	Debts paid.	Investments.	Suspense and cash balance.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1. Deo ..	1,42,846	44,034	14,990	...	238	48	...	..	37,617	.	45,029
2. Nashipur (Debuttar) .. .	1,48,605	1,01,747	10,000	..	..	..	...	.	...		36,858
3. Basudebpur ..	1,12,969	1,00,635	4,521	237	120	...	...	1,541	39,381	2,800	2,734
4. Sukraj Ray ..	64,094	36,097	8,465	649	...	...	40	.	14,272	.	4,560
5. Chandra Kumar	50,945	40,268	2,900	335	...	...	245	125	1,379	...	11,627
6. Hurbans Narain Singh ...	13,577	7,394	1,475	30	...	...	..	196	3,500	..	983
7. Satgawn	27,809	7,047	2,339	...	...	.	.	...	14,067	...	3,475
8. Burrabhoom	73,529	8,230	7,635	...	21		...	...	56,163	...	1,480
Total	6,70,374	3,45,452	52,402	1,242	309	48	285	1,852	1,58,278	2,800	1,67,646

The Lieutenant-Governor has noticed with dissatisfaction the small amounts spent throughout the surplus estates on survey and settlement, with the exception of Burdwan, Cossimbazar, Srinagar, Maldwar and Dakhin Shabazpore, in which large operations have been or are being undertaken. He would be glad to feel assured that no survey and settlement proceedings are necessary in the other estates mentioned, or in any of the long list in the Appendix to the Board's Report. He regards it as essential to good management in wards' or other private estates, as much as in the case of Government estates, that the rent-roll should be carefully prepared, accessible, and accurately maintained. With regard to improvements, the Lieutenant-Governor considers that much more might have been done in estates not heavily encumbered with debt than was done in the last or in preceding years, without falling into the opposite extreme of making experiments, which are rightly objected to in Rule 22 on page 39 of the Wards' Manual. He is aware that in some estates large sums have been spent under the head of "Maintenance in efficient condition of estates, buildings and other immoveable property;" but having regard to the large cash balances and the Government securities exhibited in the above statement, he is distinctly of opinion that permanent improvements should have been, and should be, effected to a much greater extent. Sir Charles Elliott is glad that the Board have noticed the decrease of expenditure in this respect. There is time during the ensuing cold weather for considerable works to be undertaken if the necessary orders are issued without delay. In the opinion of His Honour the surplus estates ought also to show more expenditure under the heads of "Subscriptions to schools and dispensaries," "Investments" and "Suspense and cash balance," and the deficit estates more under "Debts paid."

Survey and settlement operations.

7. The Board have prepared from the Annual Report of the Director of Land Records and Agriculture the following statement to show the progress made in the surveys and preparation of records of rights in Wards' estates :—

Name of Estate.	Number of ryots.	Estimated area in acres.	Area surveyed.		Area of which survey records were made over to the Settlement Officers.	Number of ryots whose rents had been recorded and status determined.	Cost up to 31st March 1891.		Rate of cost per acre.		Increase in rentals of tenants whose rents have been settled.	Remarks.
			Up to 31st March 1890.	During 1890-91.			Survey.	Settlement.	Survey.	Settlement.		
1	2	3	4	5	6	7	8	9	10	11	12	13
							Rs.	Rs.	Rs. a. p.	Rs. a. p.	Rs.	
Srinagar-Baneli ..	79,769	444,800	444,800	.	444,800	77,069	1,32,625	1,48,005	0 4 9	0 5 5	25,140	
Burdwan Raj. Khas Mehals	2,954	15,586	15,586		15,586	2,007	. .	13,481	..	0 14 0	1,895	Figures for pergunnah Hukumapur only.
	12,145	38,889	12,160	16,729	16,729	3,914	. . .	10,252	.. ..	0 5 8	......	Figures for pergunnah Sujamuta only. Existing rents are to be adhered to.
Kujang	30,085	233,480	144,000	. ..	144,000	14,512	50,635	15,776	0 5 8	0 5 7	814	
Shankarpur . .	32,607	157,862	157,862	. .	157,862	32,607	89,611	43,706	0 7 3	0 2 11	17,046	
Churaman . ..	10,481	55,134	55,134	.	55,134	10,481	20,206	13,617	0 5 11	0 3 10	141	Surveyed by non-professional agency. Existing rents only were recorded.
Maldwar	16,276	98,405	98,405		98,405	19,276	36,113	24,638	0 5 8	0 2 9	4,508	
Dakhin-Shabazpur	1,248	83,616	35,138	44,460	4,877	1,032	47,101	4,421	. .	.	16	The survey has been completed.
Serail Pergunnah	60,000	180,064	Not known.	Not known.	70,893	1,410	1,21,298	8,776	0 8 0	. . .	1,626	
Kanika	Not known.	282,240	115,840	166,400	166,400	6,738	65,817	6,071	..	..	3,731	

The final reports of the operations in the Shankarpur, Churaman and Maldwar estates have since been received, and Government orders have been issued. The Lieutenant-Governor awaits the Board's proposal to commence proceedings in the Talipabad estate ; the Jogearah estate may be postponed until the contemplated resumption of the Behar survey is taken in hand. *Primâ facie* every ward's estate should be brought under survey and settlement, but those which have already accurate records and rent-rolls, or are deeply involved, or likely soon to pass out of the hands of the Court of Wards, may reasonably be excepted. He trusts that the rules for the maintenance of the settlements records which the Board have issued will be duly observed, but he recognises that there is no guarantee, save the good sense of the proprietors, that they will be regarded after the estates have reverted to their management.

Certificate procedure.

8. During the year under report 10,175 certificates were filed, so that, inclusive of those pending from last year, there were 32,142 certificates for disposal. These numbers are the lowest for the last three years, and, as 18,438 were disposed of, the balance has been reduced to 13,704 cases pending. The Board consider that the number disposed of during the year should have been larger, and apparently attribute the delay in dealing with these cases to the inaction of the certificate officers. The Lieutenant-Governor has recently suggested a revision of one of the certificate registers with a view to keeping a closer watch over the disposal of certificate cases when they have reached the certificate officer's hands, but he is inclined to think that in wards' cases the responsibility for watching their progress and realizing the demands as soon as possible should lie on the managers of the estates. He has grave objections to the practice, which he understands that managers sometimes adopt, of filing a large number of certificates which they keep hanging over the heads of defaulters without proceeding with them. He considers that for each estate the returns should show the mode of recovery at each stage, how many notices were successful, how many attachments were required, &c. In fact he would wish the statement furnished by the Board of the operation of the certificate procedure to be considerably enlarged by the addition of such columns as are contained

in paragraph 75 of their Report on the Land Revenue Administration for 1890-91.

The question of the applicability of the certificate procedure to demands on account of the Court of Wards is now under consideration, and the answer would appear to turn mainly on the point whether the demands can be ascertained easily and accurately by reference to records kept with the regularity of public records. The Board's executive rules enjoin due care and discretion in the making of certificates, and declare them to be a suitable method of recovery only of demands of which the debtor was previously cognizant, and which he has neglected to pay in due course. To secure these objects it is essential that the rent rolls of estates should be properly framed and maintained. The Lieutenant-Governor is unable to state the case more clearly than it was put by the Government of India in their review of the Board's Wards' report for 1888-89, in the following words: "It would appear preferable that wherever possible the rents should be realized by ordinary means rather than by recourse to the direct and summary process of the certificate procedure, and that, where there is any uncertainty regarding the rent due, there may be serious difficulties in justifying the issue of certificates at all. If, then, as seems to be the case, the certificate process is essential to a satisfactory management of Wards' estates, another strong argument is supplied for the survey and record of rights, by which means alone perfect safety as to rents can be secured." These weighty remarks express what has already been said in some of the preceding paragraphs of this Resolution.

Condition of the tenantry.

9. The Board's opinion of the condition of the tenantry in the various estates is generally satisfactory and may be quoted as follows:—

"In the Burdwan Division the harvest was generally well up to the average, and the condition of the tenants was good, except in one or two parts of Midnapore, where they are stated to have had short crops for several years. The relations of the ryots with the managing agencies were also satisfactory, save in the Soojamoota estate, where the long-standing dispute with the Burdwan Raj had not been settled. In the Presidency Division the crops were favourable, except in tracts which suffered from the floods due to the breach in the Bhagiruthee embankment. In the Rajshahye Division the tenants on the three estates in Dinagepore were well off. In Rajshahye, Rungpore, and Jalpaiguri, however, much damage was done by floods, and this affected the condition of most of the ryots on the wards' estates. In the Dacca Division the tenants are everywhere prosperous, especially on the Dakhin Shahbazpur estate, where, as previously reported, the Collector thinks that there is not a poor man, and the harvests of the year were good, though probably somewhat less favourable than in the preceding year. The tenants are reported to be refractory in some villages, but with this exception there was no friction. In Chittagong the crops of the year are described as splendid. Few of the tenants are in debt. They sometimes borrow money, but repayment follows just after the harvest is gathered. Every encouragement is given to them to bring new lands under cultivation and to try new crops. In Noakhally also the tenants were prosperous. In the Patna Division the general condition of the tenants was one of average prosperity. In certain estates there were, it is stated, adverse circumstances which affected their condition, and symptoms of a disposition to withhold payment of rent manifested themselves. In Patna the rice crop was good, but both the *bhadui* and *rabi* crops suffered, the former from inundation, and the latter from rain and hailstorms in March. The tenantry throughout the district of Gya were in better circumstances than in the previous year, in consequence of more than ordinarily good outturn of the rice crop. In Tikari it is reported that the results of the expenditure on *gilandazi* or works of irrigation are showing themselves most markedly. Villages which had become almost depopulated are attracting settlers, and uncultivated wastes are giving place to well-irrigated and well-cultivated, richly productive areas. The tenants of the estate in the Chupra district, however, suffered severely from the destructive floods of the year. Collections had to be suspended and some relief has been given. In the Chumparun and Mozufferpore villages of the estate the tenants have shown disinclination to pay fair rents, and have combined with considerable success to prevent realisations under the certificate procedure. Measures have been taken to establish a better state of things in those villages. In Shahabad the condition of the tenants was tolerably good, but in one estate many of the higher castes having sublet their holdings at small profits are badly off, and are said to form a useless body of middlemen whose existence is harmful to the estate and the sub-tenants. In the Bhagulpore Division the condition of the tenants was, on the whole, prosperous. The tenantry in the wards' and encumbered estates of the Chota Nagpore Division generally enjoyed a year of prosperity and contentment, the only exception being in parts of the Lohardugga district. Much friction existed in six estates of that district, owing to the conversion of a large number of tenants to Christianity. In Orissa the condition of the tenantry was good on all estates, except in certain villages of Kanika and Kujang, which were visited by storm-waves causing considerable damage to the crops."

10. The Lieutenant-Governor has noticed the following points of interest in the narratives given in paragraphs 41 to 53 of the estates with a rent-roll of Rs. 50,000 and upwards. In Burdwan the remissions amounted to the enormous sum of Rs. 38,86,501, of which Rs. 3,83,614 only were the principal debt, the remainder representing costs and interest. The entire amount was long since barred by limitation. This is a remarkable instance of the way in which old debts are kept on zemindars' books. The Lieutenant-Governor does not understand why it should have been necessary for so wealthy an estate to take a loan to pay the Government revenue. The difficulties regarding the *abwabs* in the Tikari estate have several times come before Government. There is apparently nothing to be done until a final legal decision has been obtained. A special investigation has been made of the affairs of this estate, and His Honour joins with the Board in hoping that the orders issued will result in a marked improvement in the collections during the next year; if not, a change of manager might be desirable. The accumulations in the Dighapatia Estate amount now to 15¾ lakhs of rupees and are becoming too large, and some means should be devised for spending at least a portion of them for the permanent advantage of the estate. The Board have ordered Rs. 10,000 to be set aside annually for local improvements; they might well have directed the devotion of a larger sum to this object. In the Cossimbazar estate the rent-balances due to the estate exceeded the current demand, and were hardly reduced during the year; and while a sum of Rs. 1,74,985 was invested in Government securities, only Rs. 3,357 were spent on works of improvement. The Lieutenant-Governor does not object to the Board's rule that a ward should have, on attaining majority, a sufficiently large cash balance to relieve him of any temptation to press hardly upon his ryots or change the Court's system of management; but he shares the feeling which has often been expressed, that large cash balances or investments in Government securities should not be allowed to accumulate in an estate, as they create a great danger and offer a great temptation to the ward on his attaining majority. In the Narhan estate there is little time left for improvements, but anything that can be done should be expedited. Government are aware of the difficulties in the Bhowanipore estate, and observe that the irrecoverable balances are being cleared by extensive remissions. Between 3 or 4 lakhs are still outstanding, which should be scrutinized without delay. The Deo estate has received from Government a loan of four lakhs of rupees, by which, together with the sale of certain villages, the debt to the Maharaja of Darbhanga, its chief creditor, has been satisfied, and there will now be little difficulty in clearing off the remaining debts. The collections are greatly in arrear, and this is said to be mainly due to the fact that the estate was farmed to useless hangers-on of the Raja's family with no property. If this is the case, they should be sold out and a better class of men settled with. The cash balance at the close of the year was Rs. 45,639, a large sum to keep unutilised when there are debts on which interest is accruing. The figures given in connection with the Dhankura estate betoken bad management, to which the Board should direct their particular attention. The Lieutenant-Governor does not understand, in the case of Basudebpore, what is meant "by the non-acceptance by the estate of the settlement of the Jellamutta Julpai Chuck;" is a manager allowed to refuse a settlement which the Collector thinks adequate? It is not explained why only Rs. 18,000 were distributed to the proprietors of the Dakhin Shahbazpur estate, when a large cash balance was available: the sum distributed might apparently have been larger, due allowance still being made for improvements. An extensive settlement has been going on in the Dhalbhum Pergunnah of Singbhum, involving the complicated question of ghatwali tenures; a special report on the progress and character of this work has lately been received and will be separately noticed. The whole story of the management of this estate, as given in paragraph 42 of the report, and of the financial transactions connected with sales, mortgages and concessions for prospecting and mining leases, is too abbreviated to be intelligible. Certain small portions of the Government demand should have been paid in the Kanika and Sukraj Rai estates. In the latter it is not creditable that arrears of rent amounting to Rs. 31,420 have accrued during the Court's management. The account of the management of the Chandra Kumar estate is unsatisfactory. In the Chakma estate the authorities have performed a remarkable feat in liquidating debts up to

Miscellaneous.

Rs. 12,700 by means of an annual surplus of only Rs. 4,000, since the Court of Wards took charge on 17th October 1890. The management of the Supur estate in Bankura, released during the year, is a good instance of the benefits which an embarrassed estate may receive from judicious management. In the Silli estate, also released, a settlement had been made with the ryots by Mr. F. A. Slack, C.S., acting as Manager of the Estate: it is unfortunate that the powers conferred upon him did not enable him to carry it out in such a way as to avoid the disputes which are said now to have risen, and to require cautious and conciliatory treatment at the hands of the proprietors. It is very unsatisfactory that during the entire period of Government management only 64 per cent. of the demand was collected in the Satrakhani estate. Here, as in Dhalbhum, Silli, and elsewhere, special difficulties have arisen out of attempts to settle ghatwali tenures.

Managers.

11. The salient point which has struck the Lieutenant-Governor in reviewing this report is the very limited amount of success which the revenue authorities are able to attain in the way of effecting improvements in these estates. It is of course impossible for a Collector to acquire the minute local knowledge which is necessary in order to decide where wells, tanks, *bunds*, roads, markets, model villages, drainage-cuts, or other improvements should be undertaken, but this is all the more reason for insisting that the manager should acquire and utilize such knowledge. Where so much depends upon the managers, it is necessary that they should be chosen with great care, and their responsibility for good work clearly defined and maintained. Next year the names of the managers of all the estates in Part II should be given.

Encumbered estates.

12. His Honour has also noticed the absence from Part II of the report (which describes progress of management in the large estates) of any special mention of the encumbered estates of the Chota Nagpore Division, which are taken charge of under Act VI of 1876. They appear from the Appendix to the report to be very numerous. There is nothing said of them collectively, whereas in His Honour's opinion such an important political matter as the success attained in clearing those estates of debt requires to be reported on distinctly every year. The Board will be requested to devote a separate part of their report to these estates in future.

13. The Lieutenant-Governor desires to acknowledge the attention paid by Mr. Halliday to the important and difficult charge of the Court of Wards throughout the year. The names of the Commissioners, Collectors, and Managers, whose services are commended by the Board, will be duly communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg Secretary to the Govt. of Bengal.

TOURS OF INSPECTION BY REVENUE OFFICERS AND HEADS OF DEPARTMENTS UNDER THE GOVERNMENT OF BENGAL.

GENERAL DEPARTMENT—MISCELLANEOUS.

Dated Darjeeling, the 17th October 1891.

RESOLUTION—No. 398T—G.

READ again—

The following orders regarding Tours of Inspection of certain officers under the Government of Bengal:—

Letter from the Government of India, Home Department, No. 9—681, dated the 12th February 1868, regarding tours by the Sanitary Commissioner for Bengal.

This Government (General Department) Resolution, dated the 26th February 1872, regarding tours by the Director of Public Instruction.

Letter from the Government of India, Home Department, No. 92, dated the 2nd March 1891, and this Government (Municipal Department) letter to the Inspector-General of Civil Hospitals, Bengal, No. 770, dated the 20th July 1882, regarding tours by that officer.

This Government (Political Department) Resolution, dated the 5th November 1883, paragraph 19, regarding tours by the Inspector-General of Registration.

This Government (General Department) Resolution, dated the 21st April 1888, regarding tours by Sub-divisional Officers.

This Government (General Department) Circular No. 1, dated the 3rd January 1888, regarding tours by District Collectors.

The Revenue Officers' Manual, 1888, Section V(*b*) and Section VI(*b*), regarding tours by Commissioners of Divisions and District Officers respectively.

The Jail Code, Chapter II, paragraph 29, regarding tours by the Inspector-General of Jails.

The Police Manual, Volume I, Chapter I, paragraph 3, regarding tours by the Inspector-General of Police.

The Lieutenant-Governor has recently had occasion to examine the standing orders in force on the subject of the Tours of Inspection to be undertaken by all officers, administrative and executive, serving under this Government. He attaches the greatest importance to personal supervision and communication between the Heads of Departments and the Chief Executive Officers in the administration and their subordinates, and to close and minute inspection by them of all branches of the offices and of the work done by those subordinate officers. His Honour is accordingly pleased to lay down the following orders in supersession of all previous instructions on the subject of the duration and objects of tours.

2. *Members of the Board of Revenue.*—With regard to these high officers no precise rules need be laid down, but the Lieutenant-Governor has lately, in paragraph 36 of the Resolution dated the 6th October 1891, on the Board's Land Revenue Administration Report for the year 1890-91, expressed himself as follows on the subject of the inspections to be made by them:—

"He thinks that some system should be organized, by which the Members should either spend a definite portion of the year on tour, or should visit a specified number of districts in the year. It would be advantageous, both to themselves and to their subordinates, if they were to inspect Commissioners' offices on the revenue side, collectorates in all branches of revenue work, distilleries and survey and settlement operations as far as they are able. Sir Charles Elliott is aware that the Members of the Board have to hear important revenue appeals, and that they are responsible for correspondence in affairs of considerable moment. But he believes that the appeals can be fixed and heard according to arrangement, and he presumes that correspondence can be carried on and disposed of by the Members when on tour. One Member only would ordinarily be absent from Calcutta at a time, so that urgent matters could be disposed of by the Member at the Presidency. At any rate, the Lieutenant-Governor may safely say that he would welcome the co-operation of the Members of the Board in improving the mofussil revenue administration of the Province and assisting in the execution of the orders of Government."

Each opium agency should be visited once a year by the Member in charge of the Miscellaneous Revenue Department of the Board of Revenue.

3. *Commissioners of Divisions.*—All Commissioners should be on tour at least four months in every year, and spend at least a fortnight in each district, inspecting each year every Magistrate's and Collector's office in all its branches, every sub-divisional office, every registration office and dispensary at district or sub-divisional head-quarters, every jail, subsidiary jail or lock-up; also

every settlement mentioned in the settlement report of the Director of Land Records and Agriculture, which is under their orders, and, so far as possible, the summary unprofessional settlements of Government or temporarily-settled estates which are made by the district staff. They should pay special attention to the working of the Court Sub-Inspector's office, the regularity of attendance of Honorary Magistrates, the disposal of criminal cases by stipendiary Magistrates, the frequency of remands, the work of the record-room, the certificate department, the land acquisition department and the tauzi department.

The Commissioners of Orissa and Chota Nagpore should spend more than four months on tour, and should visit each Tributary State under them, if possible, each year, and at any rate once in two years. The tour of the Commissioner of Chittagong should always include a visit to the Lushai Hills. Tours should not be confined to the cold weather, but should be made in the rains also, especially in Eastern and Central Bengal, and wherever water communication is easy.

4. *District Magistrates and Collectors, and Deputy Commissioners.*—These officers, when in charge of large districts with many sub-divisions, should spend four months on tour annually; for small districts three months will suffice. They should inspect each sub-divisional office twice a year, looking especially into the working of the branches of work mentioned above. The rest of their tour time should be devoted to making acquaintance with the chief residents in the district and the state of administration in the mofussil as regards roads, embankments, water communications, markets, ferries, pounds, &c. They should visit each municipality once a year and inspect the municipal office, looking especially into the distribution of work among the Commissioners, the arrangements for registration of births and deaths and for sanitation, the assessment, collection and arrears of municipal taxes. They should inspect their own offices twice a year while at head-quarters, carefully examining the work in every branch. Their tours, like those of the Commissioners, should not be confined to the cold weather, but should be partly made during the rains.

The following is a list of the districts which are to be classed as large:—Burdwan, Midnapur, Nuddea, Jessore, Murshidabad, Rangpur, Dacca, Backerganj, Maimansingh, Patna, Gya, Shahabad, Bhagulpur, Santhal Pergunnahs, Hazaribagh, Lohardaga. The rest fall into the class of small districts for which three months is to be the minimum period of touring required annually In the 24-Pergunnahs the tour should be divided between the Collector and the Joint Magistrate, as it is impossible for the Collector to be absent for three months of the year from his head-quarters.

5 *Sub-divisional Officers.*—These officers should be on tour three months in the year, looking chiefly after the mofussil wants of the sub-division; they also should inspect their own office twice a year in every branch.

6. *Heads of Departments.*—All Heads of Departments should be on tour for at least four months in every year, and as much more as is necessary to carry out their inspection thoroughly and make themselves personally acquainted with their own staff, with the other officials with whom they and their staff come into contact, and with the chief native gentlemen of the province who may be interested in their department. No Head of Department (except the Conservator of Forests, for whom a special rule is framed) should remain at Darjeeling when the Head of the Government is not there, except by special permission and for urgent cause shown.

7. *Inspector-General of Police.*—One of the two Deputy Inspectors-General of Police should be located at Patna with charge of the western and northern districts of Bengal: the other will for the present have his head-quarters in Calcutta with charge of the eastern and southern portions of the Province. They should each be at leat six months on tour, and should each inspect fifteen districts in the year. The Inspector-General should inspect personally from ten to fifteen districts, and should also visit a few (say five) other districts in company with each Deputy Inspector, in order to see how he conducts the work of inspection. He and his Deputies should vary the area of inspection in each year, so that in the course of three or four years the Inspector-General will have personally and minutely inspected every district in the province once, besides making less prolonged visits to most of the districts in the company of the Deputy Inspectors-General. He should visit, beside the head-quarters, as many sub-divi-

sional stations and outlying thanas as he finds possible. But inspection of registers and office work is not the chief part of the Inspector-General's work when on tour. He should spend several days in each district, taking sufficient time to make the acquaintance of people whom it is useful for him to know, and to get a personal knowledge of local affairs of the officials with whom his police officers are in communication, and with the local leaders of native society. He should also acquire much information as to the topographical and racial peculiarities of the district, the criminal tribes, and the local tendency to particular classes of crime.

8. *Inspector-General of Jails.*—This officer should inspect every Central Jail yearly and every District Jail once in two years, and also as many subsidiary jails as possible, arranging his tours so as to visit each subsidiary jail once in three years.

9. *Inspector-General of Registration.*—*Mutatis mutandis*, the same remarks as in the case of the Inspector-General of Police apply to the Inspector-General of Registration, who should divide inspection work with his two Deputies on the same system. He ought also to know enough of the peculiarities of the Mahomedan population in different parts of the province to understand, and make suitable to their wants, the working of their marriage registration law, and to see that sufficient registration offices are created to meet the wants of all classes of the population.

10. *Director of Public Instruction.*—The Director has so many duties in connection with the University of Calcutta, that he has found it difficult to do as much inspection and touring work as he admits to be desirable; but the Lieutenant-Governor hopes that in future he will be able to spend 60 days of the cold weather in short journeys of inspection, besides the two months in the rains, about which it is hoped that there will be no great difficulty. He should inspect every College and Madrassa once a year, and should, as far as possible, spend some time with his different Inspectors and Joint and Assistant Inspectors, watching their work and guiding and teaching them, if necessary, from his own experience. But it is quite as important for him to keep himself *au courant* with the general progress of education throughout the country, and the growth of the desire for it, in order to judge when and where the time has come for Government to retire from the direct charge of instruction, and to make it over to private enterprise. It is necessary also for him, as for other Heads of Departments, to make acquaintance with his own officers and with those who have relations with his Department, to enquire into the working of the different systems of education as prevalent among different classes in different parts of the country, and to settle differences which may arise between his Department and the local authorities.

11. *Director of Land Records and Agriculture.*—This officer should spend six months of each year on tour. He should visit each important settlement in progress under a special officer once during the year, and such specially important ones as those of Orissa and Chittagong twice in the year. He should also inspect, in as many cases as possible, the unprofessional settlements in progress under District Officers in scattered Government estates, and try to teach them some method and order in the work which is now imperfectly done. He should remain about a week or more in company with each of the Settlement Officers of the major settlements, so as thoroughly to understand their views and their difficulties, and how they carry on the work, and to guide them, where necessary, into improved methods.

12. *Conservator of Forests.*—The Conservator should be on tour at least six months in the year, and should visit every Forest Division in the Province during the year. His own office being permanent at Darjeeling, the rule does not apply to him that he must not remain at Darjeeling when the Lieutenant-Governor is absent, but he should manage to spend six weeks during the rains on tour, either visiting the Sunderban Division, which is easily accessible during the rains, or else inspecting the head offices and the office work of his Divisional Officers.

13. *Excise Commissioner.*—The Excise Commissioner should spend five months of the year on tour, and should divide inspections with the Inspectors of Excise at Patna and Dacca, so as to visit himself every central distillery in the course of two years, and to see something of sub-divisional offices, spirit

depôts and licensed outstills or shops when they are within his reach. A part of each year's tour should be made in company with each of the Inspectors, so as to ascertain their method of inspecting and to guide them from his own experience.

14. *Inspector-General of Civil Hospitals.*—This officer should visit every dispensary at the head-quarters of a district at least once in two years, and as many outlying dispensaries as he conveniently can.

15. *Sanitary Commissioner.*—The Sanitary Commissioner should be at least six months on tour, and should visit every part of the Province in turn, directing his inspection chiefly to the sanitation of municipalities and the progress of vaccination work. He should also be ready at any time to visit any place where a severe epidemic of cholera or small-pox may occur.

16. Sir Charles Elliott hopes that these instructions will be strictly observed in future by the officers concerned, and His Honour directs that every Divisional Commissioner and every Head of a Department shall give in his administration report an account of the tours of inspection which he and the officers under him have made in the year, showing what places they have visited and what special matters have engaged their attention.

17. The Board of Revenue are requested to insert the changes required by this Resolution in their Revenue Officers' Manual for ready reference.

ORDER.—Ordered that this Resolution be published in the *Calcutta Gazette* for general information.

Ordered also that a copy be forwarded to the officers concerned for information and guidance; also that a copy be forwarded to the Board of Revenue, and to the Revenue, Judicial and Financial Departments of this Office, for information.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION ON THE REPORT ON THE ADMINISTRATION OF THE EXCISE DEPARTMENT FOR THE YEAR 1890-91.

FINANCIAL DEPARTMENT—SEPARATE REVENUE.

Darjeeling, the 13th October 1891.

RESOLUTION No. 352T—F.

READ—

The Report of the Commissioner of Excise for 1890-91, with the observation of the Board of Revenue thereon.

Excise Commissioner.

Mr. E. V. Westmacott held the office of Excise Commissioner for the whole year, with the exception of the period from 1st April to 11th June 1890, during which he was absent on privilege leave and Mr. A. Forbes officiated for him. Mr. Westmacott and Mr. Forbes spent between them 111 days on tour, and visited 36 districts and 39 distilleries. This is an improvement on the proceedings of the preceding year, and it is satisfactory to find that by prolonging his tour after the close of the official year, Mr. Westmacott managed to visit all the distilleries except those in the Sonthal Pergunnahs. Two Inspectors of Excise have recently been appointed to assist the Excise Commissioner, and orders have been issued defining more precisely the amount of travelling which will be expected of them. The Lieutenant-Governor hopes that these arrangements will make it possible to effect more regular and systematic inspection during the current year. The record of the work done on tour, annexed to the report, is extremely meagre and conveys no information worth speaking of. It is understood, however, that careful inspection reports were drawn up and communicated to the local officers, and that in future reports an attempt will be made to bring out some of the main facts ascertained and conclusions suggested by the personal observations of the Excise Commissioner while engaged on this important branch of his duties.

2. The report is illustrated by six maps; one shows the incidence per head of the total excise revenue, four the revenue derived from four of the chief exciseable articles, country spirits, toddy, pachwai, and opium, and the sixth shows areas in which the systems of central distilleries and outstills prevail. In order to complete the series, it would be well to add a map illustrating the incidence of the revenue derived from the consumption of ganja.

Subordinate staff.

3. Including the Deputy Collector attached to the office of the Excise Commissioner as the Personal Assistant, 17 Deputy Collectors were employed in the Excise Department out of the 21 whose appointment was sanctioned for that purpose by the Secretary of State. The Excise Commissioner objects to the employment of these officers in the charge of treasures and on judicial work, on the ground that this interferes with the important duty of inspection. The Lieutenant-Governor's own observations while on tour bear out this objection. Constant inspection is the first condition of efficient excise administration, and judicial work must interfere with it seriously, while a Deputy Collector engaged in treasury business can obviously only leave the station on days when the treasury is closed. Nevertheless, as was pointed out in the Resolution on the Excise Report for 1889-90, no hard-and-fast rule can be laid down on the subject. What spare time the Deputy Collector has from excise work may properly be employed in trying criminal cases; and the Government must rely on the discretion of the local officers not to divert the Excise Deputy Collector's services from the special department to which he is attached. In districts where the excise work is not of sufficient importance to justify the appointment of a Deputy Collector, the Excise Commissioner has recently suggested that "smart and active young Sub-Deputy Collectors" might with advantage be appointed for excise purposes to districts which are not important enough to require Special Deputy Collectors, and the Board have the proposal under their consideration. The subordinate establishment of the department, including the officers known as inspectors, sub-inspectors, darogas and mohurirs, was greatly improved during the year by weeding out useless men and introducing a better educated and more respectable class. It is proposed to abolish the vicious system of incremental pay, and to reorganize the entire establishment in regular grades, so that able and industrious men may obtain

promotion according to their merits. In connexion with the working of the detective staff of the department, the Excise Commissioner states that excise officers are unable to make a search without the assistance of a police officer, and complains that the delay caused by this, and in some cases by jealousy and perversity on the part of police officers, has rendered searches ineffectual. He also refers to the inconvenience arising from the fact that excise officers when making an arrest have no power to release an offender on bail. It is understood that this criticism is directed at sections 40 and 44 of the Bengal Excise Act VII of 1878. The questions raised are of importance, and if it is intended to advocate a change in the law, the subject should be brought forward especially, and not touched on casually in the course of an annual report.

4. The following statement shows the excise revenue and expenditure of Bengal for the last five years :—

PERIOD.	Revenue.	Charges.	Net revenue.	Percentage of charges.
	Rs.	Rs.	Rs.	
1886-87	1,01,22,786	3,75,252	97,47,534	3·7
1887-88	1,08,62,037	4,22,608	1,04,39,429	3·8
1888-89	1,08,88,973	4,32,765	1,04,56,208	3·9
1889-90	1,04,73,431	5,31,382	99,42,049	5·07
1890-91	1,04,60,877	6,29,293	98,31,584	6·01
Difference of the past two years ...	—12,554	+97,911	—1,10,465	+·94

Financial results.

According to these figures, which represent the actual receipts during each year, the financial results of the year are a decrease of Rs. 12,544 in the gross revenue and an increase of Rs. 97,911 in the charges, showing a decrease in the net revenue of Rs. 1,10,465, which compares favourably with the decrease of Rs. 4,60,521 referred to in the Resolution on last year's report. Of the increase, amounting to Rs. 97,911, in the charges of the past year as compared with those of 1889-90, Rs. 66,564 is directly due to the extension of the distillery system, and most of the balance to the greater liberality in granting rewards for the detection of excise offences and the heavier expenditure in travelling allowance which the present methods of administration involve. The outstill system, as has often been pointed out, established everywhere a self-acting detective agency which tended to keep down illicit distilla Under the central distillery *régime* no one's self-interest is enlisted on the side of the Government, and greater vigilance and activity are demanded from the inspecting and detective staff of the Excise Department. By showing merely the net increase in charges, the Excise Commissioner somewhat under-states the actual cost to Government of the changes that have been introduced, for the sum of Rs. 15,387 which figures as a saving under the head of Excise merely represents the cost of transferring to income-tax duties a number of officers who were formerly employed partly on income-tax and partly on excise duties.

5. The following statement illustrates the fluctuations in the revenue derived from the various exciseable articles during the last five years :—

ARTICLES OF EXCISE.	REVENUE.					In 1890-91 compared with 1889-90.	
	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	Increase.	Decrease.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Country spirits	47,90,783	52,05,042	50,90,815	47,07,132	45,28,262	... .	1,78,870
Rum	1,08,111	88,885	72,851	1,00,659	98,383	... ..	2,276
Imported liquors	2,09,754	2,33,083	2,21,463	2,14,090	2,31,095	17,005	......
Tari	68,931	7,27,787	7,88,901	8,26,314	8,45,586	19,272	......
Pachwai	1,78,263	2,01,216	2,15,191	2,32,682	2,72,388	39,706	... .
Charas	1,962	2,7[illegible]2	2,765	3,535	6,594	3,059	......
Siddhi, Sabzi, or Bhang . .	37,048	42,[illegible]66	42,671	43,141	44,791	1,650	......
Majum	2,459	2,202	2,092	2,067	1,910	.. ..	157
Madak	83,649	85,305	85,753	82,8[illegible]5	81,467	... ..	1,358
Chandu	29,746	37,415	36,254	35,216	36,247	1,031	.
Spirits used for arts	188	191	119	143	466	323	....
Ganja	20,75,679	22,45,020	23,18,333	22,59,690	23,11,713	52,023	..
Opium	19,05,753	19,84,096	20,08,134	19,59,491	19,95,312	35,821	.
Beer brewed in India ...	...	..	......	16	71	55	. ...
Miscellaneous	9,350	6,054	4,131	6,430	6,672	242	.
Total ...	1,01,22,786	1,08,62,037	1,08,88,973	1,04,73,431	1,04,60,877	1,70,107	1,82,661
						Net decrease ... 12,554	

Notwithstanding a loss of Rs. 1,78,870, or 3·79 per cent, during the last two years, on country spirits, which contribute nearly 44 per cent. of the entire

revenue, almost all the other heads show such a rate of increase that the net decline of revenue, which amounted to Rs. 4,15,542 in the preceding year, has fallen to Rs. 12,554. Calculated on the population ascertained in the recent census, the average incidence of the excise revenue is two annas and four pies per head.

Current settlements.

6. The settlements for the current year show an increase in every division except the Presidency and Patna, the net advance on last year's results being Rs. 3,18,180. The decrease in the two divisions referred to, amounting in all to Rs. 48,360, is ascribed to the closing of some superfluous shops and to others remaining unsettled owing to the refusal of the abkars to accept settlement at enhanced rates. The Excise Commissioner anticipates a further increase before the close of the year, but in view of the deficiency of rainfall in many districts of the Province, and of the close sympathy that prevails between agricultural prosperity and excise revenue, the Lieutenant-Governor feels some doubt whether this can be reckoned on with confidence.

Country spirits.

7. Map No. VI, prefixed to the report, gives a clear view of the three different systems under which excise duty is now levied upon country spirits in Bengal. In the central portion of Bengal proper lying mainly between the Ganges and the sea, and including Dacca and Mymensingh on the east and Orissa on the west, all outstills have been abolished and only distilleries are allowed. In Behar, and to some extent in the Hazaribagh district of Chota Nagpore, a mixed or dual system prevails : distilleries have been established at selected stations, and outstills closed within the area which can be reached by distillery liquor ; while in the rest of the district outstills are retained under stringent restrictions as to the amount of liquor the lessees may manufacture. In Northern Bengal, in Chota Nagpore with the exception of Hazaribagh, and in the Chittagong Division, there are no distilleries, and in the last-named area no attempt has as yet been made to restrict the capacities of stills and vats in order to limit the outturn of spirit. On the 1st April 1890 a great extension of the distillery system was effected by abolishing outstills throughout the Burdwan, Presidency, Dacca, and Orissa Divisions. The immediate result of this measure has been a decline in the revenue from country spirits of Rs. 1,78,870.

8. The following statement compares the excise revenue derived from country spirits during the last two years (*a*) in the sixteen districts in which outstills were abolished on 1st April 1890 ; (*b*) in Calcutta, the 24-Pergunnahs and Howrah, where the distillery system has been in force since the 1st April 1889 ; (*c*) in the districts of Behar and Chota Nagpore, where the dual system of administration prevails:—

(*a*) *Districts in which outstills were abolished on* 1*st April* 1890.

Divisions.	Districts.	Number of licenses in force.			Revenue.			
		In 1889-90.		In 1890-91.	1889-90.	1890-91.	Increase.	Decrease.
		Outstills.	Distillery shops.	Distillery shops.				
1	2	3	4	5	6	7	8	9
					Rs.	Rs.	Rs.	Rs.
Burdwan ...	Burdwan	93	8	82	1,41,978	85,800	......	56,178
	Bankoora	121	......	89	43,665	15,157	......	28,508
	Beerbhoom	41	......	27	18,598	14,846	......	3,752
	Midnapore	134	......	70	65,938	49,808	......	16,130
	Hooghly	21	55	105	1,39,772	1,24,570	......	15,202
	Total ...	410	63	373	4,09,951	2,90,181	......	1,19,770
Presidency ...	Nuddea	76	2	37	49,936	48,460	......	1,476
	Jessore	44	......	31	36,866	28,030	......	8,836
	Khulna	29	......	31	24,865	26,157	1,292	......
	Moorshedabad	44	12	41	53,811	37,275	......	16,536
	Total ...	193	14	140	1,64,978	1,39,922	......	25,056
Dacca	Dacca	54	14	64	76,764	51,922	5,158	......
	Furreedpore	34	......	40	21,549	20,773	......	776
	Backergunge	37	......	39	19,199	31,030	11,831	......
	Mymensingh	59	......	60	70,758	77,974	7,221	......
	Total ...	184	14	203	1,88,265	2,11,699	23,434	......
Orissa	Cuttack	24	17	39	20,713	27,571	6,858	......
	Pooree	22	8	16	5,783	4,618	......	1,165
	Balasore	13	6	14	6,316	6,006	......	310
	Total ...	59	31	69	32,812	38,195	5,383	......
	Grand Total ...	846	122	785	7,96,006	6,79,997	......	1,16,009

(*b*) *Districts where distilleries have been in force since 1st April* 1889.

Districts.	Number of licenses.		Revenue.			
	1889-90.	1890-91.	1889-90.	1890-91.	Increase.	Decrease.
			Rs.	Rs.	Rs.	
Calcutta, including the Suburbs, Howrah town and Bali	134	135	11,08,131	11,73,876	65,745	
Howrah, excluding Howrah town and Bali ...	23	26	23,819	26,345	2,526	
24-Pergunnahs, excluding Suburbs	102	98	1,50,472	1,46,382	15,910	
Total ...	259	259	12,82,422	13,46,603	84,181	

(*c*) *Districts under the dual system of outstills and distilleries.*

Division.	Districts.	Number of licenses.				Revenue.			
		1889-90.		1890-91.		1889-90.	1890-91.	Increase.	Decrease.
		Shops.	Outstills.	Shops.	Outstills.				
						Rs.	Rs.	Rs.	Rs.
Patna	Patna	40	126	28	110	4,06,766	3,33,007	......	73,759
	Gya	17	173	19	95	2,82,160	2,30,486	......	51,674
	Shahabad	11	103	8	73	1,69,522	1,46,952	.. ...	22,570
	Mozufferpore	15	81	15	40	92,017	61,137	......	31,180
	Durbhunga	18	86	12	64	62,842	54,560	...	8,282
	Sarun	14	102	13	74	2,24,553	1,77,661	......	46,892
	Chumparun	5	113	4	80	1,25,534	1,02,555	. ...	22,979
	Total ..	120	784	99	536	13,63,994	11,06,658	......	2,57,336
Bhagulpore ..	Monghyr	22	151	19	95	1,71,139	1,55,948	.. ...	15,191
	Bhagulpore	20	88	21	71	1,13,693	1,11,465	......	2,228
	Total ...	42	239	40	166	2,84,832	2,67,413	.. ...	17,419
	Hazaribagh ...	12	137	19	128	1,37,411	1,53,942	16,531	.. ...
		174	1,160	158	830	17,86,237	15,28,013	.. ...	2,58,224

9. Taking the groups by divisions, it will be seen that in the districts of the Burdwan Division included in group (*a*) the revenue fell off from Rs. 4,09,951 to Rs. 2,90,181, being a loss of Rs. 1,19,770. The Excise Commissioner considers that this is only partially due to decreased consumption caused by the sudden rise in the retail price of spirit. In his opinion much of the decrease must be put down to illicit distillation, and in support of this view he refers to the fact that 65 persons were convicted of this offence in Bankura, 22 in Midnapore and 10 in the Jehanabad sub-division of Hooghly, where it is reported that the zemindars actually levy a tax on illicit distillation and protect it—an allegation which, as the Excise Commissioner observes, is a serious matter and deserves further inquiry. It is observed that the number of persons other than licensed vendors, who were convicted under the Excise Law in these districts, rose from 394 in 1889-90 to 642 in the past year, and it is presumed that this increase has some connection with the introduction of distilleries; but the statement of convictions does not show how many persons were convicted of illicit distillation A classified statement of offences should be included in the next report. In the Presidency Division every district except Khulna shows a decrease, but the total loss of revenue in the four districts affected by the change was only Rs. 25,056. The Excise Commissioner suspects that illicit distillation prevails to a considerable extent in Moorshedabad and Nuddea, but the statistics do not necessarily indicate this conclusion, and few cases have been detected. All the districts of the Dacca Division except Furreedpore show a moderate increase of revenue as compared with 1889-90, but in all, except Dacca, the revenue is less than in 1888-89, when a larger number of outstills was open. No illicit distillation is suspected, but outstill liquor is believed to have been smuggled into Furreedpore from Pubna and into Mymensingh from the Garo Hills. In Orissa, Cuttack shows a substantial increase, Pooree and Balasore a small decline, the net result being a gain to the revenue of Rs. 5,383. The Excise Commissioner says that "the rise in the price of spirits has in some measure driven the people to use ganja and opium in increased quantities," but this opinion is not borne out by the statistics of consumption, which show, in the case of ganja, a falling off from 264 maunds

to 241, and of opium from 303 to 298. In the sixteen districts included in this group, the revenue from country spirits fell from Rs. 7,96,006 to Rs. 6,79,997, and as the former figure does not include two months' outstill fees paid in advance, the decline is considerably greater than this comparison shows.

10. Turning now to the districts of group *b*), it is observed that outstills were abolished in the 24-Pergunnahs, Howrah, and the Serampore sub-division of Hooghly from the 1st April 1889, but before that date the distillery system had been in force in the city and suburbs of Calcutta, and in the riparian municipalities of Howrah and Serampore. The entire area shows an increase of revenue amounting to Rs. 84,181, which is clearly due to the abolition of outstills in the surrounding districts having enhanced the demand for distillery spirit. An attempt is made in the Excise Commissioner's report to demonstrate the effect of the change of system on the consumption of country rum, but the argument is obscurely stated and does not seem to lead to any definite conclusion.

11. In discussing the respective merits of outstills and central distilleries with reference to the results arrived at in groups (*a*) and (*b*, the Excise Commissioner lays too much stress on the sacrifice of revenue, and appears rather to overlook the incidental advantages of the distillery system. It seems to the Lieutenant-Governor that the loss of Rs. 1,16,009 which has taken place in the districts of group (*a*) is nothing more than might have been expected in the first year of a new policy. In some respects, perhaps, the change was too sweeping, and in the wilder tracts of Midnapore and Bankura, where population is sparse, the people addicted to drink, the standard of living low, and illicit distillation easy, it has been found necessary to reintroduce outstills from the 1st April 1891. But in settled tracts where the people are fairly prosperous and the lower castes do not predominate, the Lieutenant-Governor sees no reason why the distillery system should not succeed in raising a moderate revenue, and at the same time in reducing consumption as soon as the disturbing effects of the change have passed away and smuggling has been reduced by improved preventive arrangements.

12. In the districts included in group (*c*), the excise arrangements are worked on a peculiar system which originated in the attempt made by Mr. Quinn, when Collector of Patna in 1885-86, to give effect to the proposal of the Excise Commission to limit the capacity of stills and fermenting vessels used by the lessees of outstills. A description of the present state of things in Patna, as ascertained by recent inspection, will serve to illustrate the practical working of the system. In that district the central distillery, which was opened in 1886, supplies country spirit to only 20 shops (28 in 1890-91) situated within the limits of the Patna Municipality, a tract on the south bank of the Ganges thirteen miles long and from one mile to five miles broad. The rest of the district is supplied by outstills; the capacity of each still and the number and capacity of the fermenting vats being limited according to the estimated consumption of the area served, and the upset price fixed accordingly. The data available for determining these particulars are said to be the following:—(*i*) The number of customers frequenting the shop, as stated by the abkar himself and as ascertained by the excise officers by enquiring among the residents of the village, (*ii*) the abkar's accounts of the raw materials bought by him from the traders who deal in *mahua* and *chhoa* (or molasses), (*iii*) the abkar's accounts of the actual sales made by him during the past year. The local consumption having been estimated from these data, the size of the still and the size and number of the fermenting vats are determined so as to enable the abkar to produce the requisite quantity. The position of the still in relation to the area supplied by the central distillery is not taken into account. Experiments have shown that one maund of materials, viz. 35 seers of *mahua* and five seers of *chhoa*, will yield from 1 89 to 2 gallons of London proof spirit. The rate of duty is Rs. 2 per gallon. In order, therefore, to fix the upset price of the license, an estimate is made of the number of the maunds that the still can work off, and this number multiplied by four gives the amount required. In framing this estimate allowance is made for the number of times that a still can be worked between sunrise and sunset, a point on which the views of the abkar are apt to differ from those of the excise officer. Another fact for which allowance has to be made is the varying rate of fermentation according to the

temperature, so that in order to enable the abkar to work up to his sanctioned outturn, about one-third more vats must be allowed in winter than would be necessary in summer. The liquor manufactured under this system is extremely weak. It will not stand keeping, and the consumers prefer to drink it fresh, if not actully warm, from the still. It is almost always more than 50 degrees below proof, sometimes as low as 90, and it sells generally at from eight annas to one anna per quart bottle, according to its strength.

13. Under whatever names and with whatever slight variations of strength country liquor is distilled in Behar, it is clear that the weakest variety, the popular drink of the masses, contains a very small proportion of alcohol and must be sold cheap. The standard of living is low; the price of country liquor depends upon custom and tradition as much as upon more scientific causes, and any attempt to raise it must be made discreetly and with careful regard to local conditions. If too great pressure is put on the abkars, the producing machinery of the country may be thrown out of gear, illicit distillation stimulated and revenue sacrificed to no purpose. As it is, the results of the past year are far from encouraging. In every district of group (c), except in Hazaribagh, where there was an increase of Rs. 16,531, a marked decline of revenue has taken place, amounting over the whole area to Rs. 2,58,224. Of this loss of revenue, Rs. 2,18,249 occurred under the head of outstills, and the balance under distillery income. The number of outstills was reduced from 1,160 to 830, but there is nothing in the report to show how much of this reduction was advisedly effected by the Excise Commissioner, and how much was due to the refusal of the abkars to take stills which were offered them for settlement on unfavourable terms. In Hazaribagh the number of stills was reduced from 137 to 128, while the outstill revenue rose from Rs. 1,20,887 to Rs. 1,36,620. In Patna, on the other hand, the result of reducing stills from 126 to 110 was a fall of outstill revenue from Rs 2,33,613 to Rs. 1,87,034. A suggestion is thrown out in the Excise Commissioner's report that the season may have had something to do with the reluctance of the abkars to take settlement; but if this had been the case it must equally have affected the settlements in Hazaribagh. Taking the statistics as a whole, they seem to indicate less success in managing excise in Behar than elsewhere. It is admitted that the attempt to raise retail prices of country liquor has at present been a failure, that the abkars have combined to refuse settlements, and that the Excise Department has failed in the attempt to break up these combinations. The main object of course is to effect a gradual and lasting reduction in the consumption of country liquor, and thus to wean the drinking classes from habits of intemperance. If these results are attained, the loss of revenue becomes a secondary consideration. But the first step must be to raise the retail price of liquor and to reform and reorganize the subordinate excise establishments so as to check illicit distillation. Until these measures are carried out, the closing of outstills by raising the upset prices of licenses will merely tend to substitute illicit for licit spirit, and the revenue will suffer while no moral advantages will be gained by the sacrifice. In attempting to raise the customary price of an article in large demand, careful consideration must be given to the local conditions of the trade, the circumstances of the persons by whom it is carried on, and the habits of the customers whom they supply. It looks as if too little attention had been paid to these points, and the upset rates for shops fixed too high for the abkars to be able to recoup themselves by raising the price of liquor. No certain conclusion can be drawn from the fall in the revenue from still-head duty, which amounts to Rs. 33,966. Where every distillery is surrounded by a ring of outstills, and there is nothing but the vigilance of excise subordinates to prevent the sale of outstill liquor within distillery limits, it is difficult to justify the assertion that "the falling off in the quantity of distillery spirit sold shows clearly that the floods and agricultural depression or other causes have injuriously affected the trade in spirit." That the trade in duty-paying spirit has been injuriously affected there can be no doubt, but there is nothing to show that this has been accompanied by reduced consumption, and it is at least as likely to have been caused by an unduly severe excise policy as by agricultural vicissitudes of which no independent evidence is forthcoming.

Country rum.

14. The revenue from country rum declined during the year from Rs. 1,00,659 to Rs. 98,383, and the consumption from 44,535 gallons to 41,117 gallons. The Board have under their consideration the question of equalising the duty on country rum with the varying rates of duty on country spirits, and it is possible that the decision arrived at on this point may lead to very important changes in the excise administration of these provinces. The Lieutenant-Governor hopes that in dealing with this matter the Board will also endeavour to modify the strangely varying rates of duty on country spirits, which were fixed many years ago with reference to the supposed standard of living in the districts concerned, so as to bring about a nearer approach to uniformity in contiguous districts.

Imported liquor.

15. The revenue from imported liquor is derived partly from duty levied on importation, and partly from fees on licenses for wholesale and retail sale. The duty is credited under the head of Customs, and the Excise Department is concerned only with the revenue from fees. Here it is to be observed that the number of licenses has been reduced from 837 in 1889-90 to 816 in the past year, while the proceeds of fees rose from Rs. 2,14,090 to Rs. 2,31,095. Since November 1888 these licenses have been allowed to cover the sale of country rum, and more recently, in consequence of the inability of vendors of country spirit, who pay high fees, to compete with dealers in cheap imported liquor, it has been found advisable to make combined settlements of licenses for the sale of country spirit, imported liquor and country rum. No attempt can therefore be made to distinguish the revenue collected under these three heads. The Excise Commissioner states that cheap and deleterious liquors continue to be imported from Europe, and, notwithstanding the import duty of Rs. 6 per gallon, compete successfully with the more wholesome drink produced in the country. It may be hoped that the development of country rum will put an end to this state of things.

Tari.

16. The revenue from tari rose during 1890-91 from Rs. 8,26,314 to Rs. 8,45,586, and the settlements made during the current year lead the Excise Commissioner to anticipate a revenue of Rs. 9,35,000. Of the amount realized in the past year, Rs. 5,67,185 were collected in the Patna and Bhagulpore Divisions, while Rs. 1,66,257 were levied in the Presidency Division. Hooghly, Howrah and Cuttack raise about Rs. 25,000 apiece under this head, but elsewhere throughout the province the revenue is insignificant. The Excise Commissioner discusses at length the important question of developing the receipts from tari, on the system introduced first in Bombay and afterwards in Madras with excellent result, the duty having produced in the Madras Presidency a revenue of 44 lakhs in the last year for which returns are available, and proposes the introduction of a more precise system under which the license fee would be fixed according to the number of trees tapped for juice. A register of trees is being prepared in Patna, and inspecting officers are collecting statistics. At the same time the rights of the landholders to levy rent on the trees will, as the Board observe, have to be investigated and definitely settled.

Pachwai.

17. The revenue from pachwai or rice-beer, known also as *handia* from the earthen pot (*handi*) in which it is brewed, and including the beer brewed from *marwa* in Darjeeling, rose from Rs. 2,32,682 to Rs. 2,72,288. Pachwai is a wholesome and moderate form of stimulant, and the Lieutenant-Governor agrees with the Excise Commissioner in thinking that its consumption should be encouraged, which is quite compatible with raising a considerable income from it by carefully regulated taxation.

Ganja.

18. The statistics of ganja during the last three years are as follow:—

	Licenses.	Quantity consumed.	Revenue.
	No.	Mds.	Rs.
1888-89	2,922	6,413	23,18,353
1889-90	2,819	6,101	22,59,690
1890-91	2,586	6,095	23,11,713

The rise in revenue concurrently with a falling off in consumption is said to be due partly to the fact that the decrease in consumption affected almost entirely the flat ganja, which is the most lightly taxed kind, and partly to the increase in the tax on *choor* ganja from September 1889. That an increase of revenue from the drug should have been accompanied by reduced consumption is of course satisfactory, but until our knowledge of the subject has been materially enlarged, the Lieutenant-Governor must decline to endorse Mr. Westmacott's sweeping condemnation of ganja as a "most pernicious article." Sir Charles Elliott has known many instances of its steady and regular use by most respectable people who find themselves able to do hard work with its help, and who feel no injurious effects from it. In this respect it resembles opium. After taking a small quantity of either drug, boatmen and dâk-runners can go long distances, and coolies carry heavy loads without requiring much food, so that both articles are, like alcohol, a food of a highly concentrated nature.

Opium.

19. The following statement illustrates the demand for excise opium during the last three years:—

	Number of licenses. No.	Consumption. Mds.	Duty. Rs.
1888-89	2,374	1,925	15,98,455
1889-90	3,397	1,905	15,76,123
1890-91	2,952	1,942	16,00,093

The figures for licenses include permits to licensed druggists authorising the retail sale of opium and its preparations and poppy-heads for medicinal purpose only. The number of these permits varies strangely in different districts. In Noakholly there were 360, in Burdwan 159, in Hooghly 142, in Backergunge 103 (against 271 in the previous year), and in Calcutta 101. In many districts, again, no permits at all have been issued. The subject seems to need further inquiry. It is not enough to say, as the Excise Commissioner says, that it is the duty of excise officers to prevent the sale of opium for ordinary consumption under the cloak of these permits. Since the close of the year under review the price of excise opium has been raised in the districts of Eastern and Northern Bengal which border on Assam, and the Lieutenant-Governor will be prepared to raise it still further should it be found hereafter necessary to do so. In order to combat the trade in contraband opium, arrangements are being made to issue excise opium in the form of ten-tola slabs, so marked and sub-divided as to be easily broken into one-tola tablets, each bearing an impression on both sides.

Offences against the excise laws.

20. The number of arrests for offences against the excise laws rose from 4,441 to 5,054, and the convictions from 3,747 to 4,233, the percentage of convictions to arrests during the past year being 83·7. Out of Rs. 85,795 imposed as fines, Rs. 58,729 were realised, being 68·4 per cent. as against 69·8 in the preceding year. The amount paid in rewards increased from Rs. 52,592 in 1889-90 to Rs. 68,244 in the past year, of which Rs. 30,688 were paid to the police and Rs. 37,556 to excise officers. It would appear from this that no rewards at all were granted to private informers. The Lieutenant-Governor would be glad to know whether this is the case. He understands that one of the chief objects of spending large sums on rewards is to induce people to give information of excise offences, but this object seems likely to be defeated if an official monopoly is set up, such as this report seems to indicate.

21. The Lieutenant-Governor desires to thank Mr. Westmacott for his energetic and on the whole successful administration of excise during the past year. The subject is difficult in itself, and it has been further complicated by the changes of policy which have taken place during recent years, and the effect of which is likely to be felt for some time to come. The names of the officers commended by the Excise Commissioner will be communicated to the Appointment Department.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

IRRIGATION OPERATIONS FOR RABI, 1890-91.

No. 1476*I*.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Irrigation.

Dated Calcutta, the 20th October 1891.

RESOLUTION.

READ—

Statements Nos. I, II, and III, showing irrigation operations of canals in Bengal during the *rabi* season of 1890-91.

OBSERVATIONS.—The area irrigated from Bengal canals during the *rabi* season of 1890-91 was 58,655 acres, of which 53,137 acres were irrigated from the Sone Canals. These figures differ but slightly from those of the previous year, and represent the amount of irrigation usually effected in years of favourable rain. The only cause likely to produce any great fluctuation in the *rabi* returns is the occurrence of a very dry season in South Behar, such as that of 1888-89, when, out of 106,883 acres irrigated in Bengal, 97,225 acres were irrigated from the Sone Canals.

2. The details of increase or decrease in the area irrigated by each canal are given in the following comparative statement:—

Canal.		Rabi season. 1889-90.	Rabi season. 1890-91.	More.	Less.
		Acres.	Acres.	Acres.	Acres.
Orissa ...	Taldunda	605	559	......	46
	Kendrapara / High Level, Range I	5,230	3,658	......	1,572
	High Level, Ranges I and II ...	62	33	......	29
Midnapore	... ...	440	......	......	440
Sone ...	Patna	7,319	7,117	......	202
	Arrah	20,066	22,569	2,503	......
	Buxar	24,079	23,451	......	628
Sarun	... ...	1,531	1,268	......	263
	Total ...	59,332	58,655	2,503	3,180
	Net decrease ...	......	......	......	677

ORDER.—Ordered that a copy of this Resolution, and of the statements Nos. I, II, and III, be submitted to the Government of India, in the Public Works Department, for information; also that copies be forwarded to the Commissioners of the Orissa, Burdwan, and Patna Divisions; the Collectors of Cuttack, Midnapore, Patna, Shahabad, Gya, and Sarun; the Superintending Engineers of the Orissa, South-Western, and Sone Circles; and the Examiner of Public Works Accounts, Bengal, for information.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col.*, R.E.,

Secretary to the Government of Bengal.

No. I.—Rabi Statement.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH

IRRIGATION OPERATIONS FOR THE RABI SEASON 1890-91.

Comparative Statement of Irrigation and Rainfall in Canal Districts of Bengal.

Districts.	Area in acres.	Culturable acres.	Area irrigated.		1890-91 as compared with 1889-90.		Rainfall for four months.										Remarks.
							November.		December.		January.		February.		Total.		
			1889-90.	1890-91.	Increase.	Decrease.	1889.	1890.	1889.	1890.	1890	1891.	1890.	1891.	1889 90.	1890-91.	
			Acres.	Acres.	Acres.	Acres.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
Cuttack	Information not available.	Information not available.	5,897	4,247	...	1,650	11·67	2·16	0·18	0·03	0·07	...	...	0·90	11·92	3·09	Average rainfall of 11 stations in the Cuttack district.
Balasore			...	3	3	...	8·89	0·64	...	0·19	...	...	0·15	1·49	9·04	2·32	Average rainfall at Bhuddruck and Acquapadda stations.
Midnapore			440*	...	...	440	3·93	...	...	...	...	...	...	0·42	3·93	0·42	Rainfall at Midnapore station.
Hooghly			...	...	...	...	...	...	...	...	...	..	...	...	..	...	No rain-gauge stations on the Tidal Reaches of the Midnapore Canal.
Gya	3,015,680	2,356,000	4,448	4,323	...	125	...	...	...	...	...	1·90	...	0·90	...	2·80	Rainfall at Daudnuggur station.
Patna	1,329,920	1,039,000	2,871	2,794	...	77	0·30	...	...	...	...	2·03	...	0·28	0·30	2·31	Rainfall at Bankipore station.
Shahabad	2,806,400	2,192,500	44,145	46,020	1,875	...	0·18	...	...	...	...	2·40	0·04	0·25	0·22	2·65	Rainfall at Arrah station.
Sarun	1,680,000	1,312,500	1,531	1,268	...	263	1·57	...	...	...	...	1·30	0·09	0·19	1·66	1·49	Rainfall at Sewan station.
Total ...	......	......	59,332	58,655	1,878	2,555	...	...	...	...	...	...	...	...	...	...	

* Boro rice.

Calcutta,
The 3rd October 1891.

G. A. G. SHAWE,
Under-Secy. to the Government of Bengal.

No. II.—Rabi Statement.

IRRIGATION OPERATIONS OF FASL RABI, 1890-91.

Statement in acres of crops irrigated in Canal Districts.

Nature of crops.		Cuttack.	Balasore.	Midnapore.	Hooghly.	Gya.	Patna.	Shahabad.	Sarun.	Total.
Garden and orchards		132	...	...	...	...	...	44	...	176
Sugarcane		...	...	...	...	...	...	...	...	...
Cereals	Wheat	...	...	...	...	1,083	227	20,658	...	21,968
	Barley	...	...	...	...	1,359	1,054	7,649	...	10,062
	Rice	734	...	...	...	...	...	...	...	734
	Miscellaneous	71	...	...	...	...	...	5,518	1,268	6,857
Pulse	Gram, &c.	...	...	...	...	6	146	1,883	...	2,035
	Miscellaneous	582	...	...	...	1,281	23	3,683	...	5,569
Fodder crops	Grass, lucerne	...	...	...	...	...	...	...	...	...
Fibres	Cotton	2,615	3	...	...	...	...	...	...	2,618
Dyes	Indigo	...	...	...	...	...	...	...	...	...
	Turmeric, &c.	12	...	...	...	...	...	1	...	13
Drugs	Opium	...	...	...	...	477	588	618	...	1,683
	Tobacco, &c.	...	...	...	...	...	...	...	...	...
Oilseeds	Mustard, &c.	...	...	...	...	...	...	43	...	43
	Castor	86	...	...	...	...	...	1	...	87
Miscellaneous		15	...	...	...	117	756	5,922	...	6,810
Hot weather		...	...	...	...	...	...	...	...	...
Total Rabi, 1890-91		4,247	3	...	...	4,323	2,794	46,020	1,268	58,655
Total Rabi, 1889-90		5,897	...	440	...	4,448	2,871	44,145	1,531	59,332

Calcutta,
The 3rd October 1891.

G. A. G. SHAWE,
Under-Secy. to the Government of Bengal.

No. III.—Rabi Statement.

IRRIGATION OPERATIONS OF FASL RABI, 1890-91.

Statement in acres of crops irrigated by Canals in Canal Divisions.

Nature of crops.		Taldunda Canal.	Kendrapara Canal.	High Level Canal, Range I.	High Level Canal, Range II.	High Level Canal, Range III.	Midnapore Canal.	Patna Canal.	Arrah Canal.	Buxar Canal.	Sarun Canal.	Total.	Remarks.
		Mahanuddy.	Brahminee-Byturnee.		Acquapadda-Jajepore.		Cossye.	Eastern Sone.	Arrah.	Buxar.	Gunduck.		
Garden and orchards ...		36	93		3		...	...	44	...	...	176	
Sugarcane		...	...		...		...	...	...	...	...	...	
Cereals ...	Wheat ...	...	...		...		...	1,310	8,069	12,589	...	21,968	
	Barley ...	...	...		...		...	2,413	7,119	530	...	10,062	
	Rice ...	1	706		27		...	...	...	...	...	734	
	Miscellaneous	52	19		...		...	...	1,459	4,069	1,268	6,857	
Pulse ...	Gram, &c.	...	...		...		...	152	1,873	10	...	2,035	
	Miscellaneous	234	348		...		...	1,304	3,318	365	...	5,569	
Fodder crops	Grass, lucerne	...	...		...		...	...	...	...	...	...	
Fibres ...	Cotton ...	227	2,388		3		...	...	...	...	...	2,618	
Dyes ...	Indigo ...	...	...		...		...	...	...	...	...	...	
	Turmeric, &c.	...	12		...		...	...	1	...	...	13	
Drugs ...	Opium	...	...		...		...	1,065	583	35	...	1,683	
	Tobacco, &c.	...	...		...		...	...	...	...	...	...	
Oilseeds ...	Mustard, &c.	...	...		...		...	...	41	2	...	48	
	Castor ...	2	84		...		...	...	...	1	...	87	
Miscellaneous		7	8		...		...	873	62	5,860	...	6,810	
Hot weather		...	...		...		...	...	...	...	...	...	
Total Rabi, 1890-91 ...		559	3,658		33		...	7,117	22,569	23,451	1,268	58,655	
Total Rabi, 1889-90 ...		605	5,230		62		440	7,319	20,066	24,079	1,531	59,332	

Calcutta,
The 3rd October 1891.

G. A. G. SHAWE,
Under-Secy. to the Government of Bengal.

No. I.—ANNUAL STATEMENT.

GOVERNMENT OF BENGAL, PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE YEAR 1890-91.

Comparative Statement of Irrigation and Rainfall for the years 1889-90 and 1890-91 in Canal Districts of Bengal.

Districts.	Area in acres.	Culturable acres.	Area irrigated. Kharif, 1890-91. Total area.	Kharif, In comparison with kharif, 1889-90. Increase.	Kharif, In comparison with kharif, 1889-90. Decrease.	Rabi, 1890-91. Total area.	Rabi, In comparison with 1889-90. Increase.	Rabi, In comparison with 1889-90. Decrease.	Whole year, 1890-91. Total area.	Whole year, In comparison with 1889-90. Increase.	Whole year, In comparison with 1889-90. Decrease.	Percentage of increase or decrease.	Rainfall. 1889-90.	Rainfall. 1890-91.	Rainfall. Percentage of increase or decrease.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	Inches.
Cuttack	Information not available.		141,425	40	...	4,247	...	1,650	145,672	...	1,610	(—) 1·0	54·27	48·24	(—) 11·1
Balasore			38,275	...	1,070	3	3	...	38,278	...	1,067	(—) 2·4	40·44	36·63	(—) 9·4
Midnapore			79,056	11,144	...	...	...	440	79,056	10,704	...	(+) 13·5	34·26	26·10	(—) 23·8
Hooghly			386	...	72	...	...	...	386	...	72	(—) 18·6	...	...	...
Gya	3,015,680	2,356,000	30,126	347	...	4,323	...	125	38,449	222	...	(+) 0·6	24·25	34·90	(+) 43·9
Patna	1,329,920	1,039,000	24,046	1,103	...	2,794	...	77	26,840	1,026	...	(+) 3·8	34·38	43·06	(+) 25·2
Shahabad	2,806,400	2,192,500	171,065	...	30,031	46,020	1,875	...	217,085	...	28,156	(—) 12·9	33·55	56·23	(+) 67·6
Sarun	1,680,000	1,312,500	1,496	...	1,188	1,268	...	263	2,764	...	1,451	(—) 52·5	30·65	47·18	(+) 54·3
Total ...	...	...	485,875	12,634	32,361	58,655	1,878	2,555	544,530	11,952	32,356	(—) 3·7	...	...	...
			Net decrease		19,727	Net decrease		677	Net decrease		20,404				

CALCUTTA,
The 3rd October 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

No. II.—Annual Statement.

IRRIGATION OPERATIONS FOR THE YEAR 1890-91.

Statement in acres of crops irrigated in Canal Districts.

Nature of crops.		Cuttack.	Balasore.	Midnapore.	Hooghly.	Gya.	Patna	Shahabad.	Sarun.	Total.
Garden and orchards		132	...	...	...	...	8	44	...	184
Sugarcane		...	...	...	...	3,133	1,982	20,238	...	25,353
Cereals	Wheat	...	...	...	...	1,083	227	20,658	...	21,968
	Barley	...	...	...	...	1,359	1,054	7,649	...	10,062
	Rice	142,159	38,275	79,056	386	26,806	22,050	140,810	1,496	451,038
	Miscellaneous	71	...	...	...	187	6	5,624	1,268	7,156
Pulse	Gram, &c.	...	...	...	...	6	146	1,883	...	2,035
	Miscellaneous	582	...	...	...	1,281	23	3,683	...	5,569
Fodder crops	Grass, lucerne	...	...	...	...	...	...	...	...	...
Fibres	Cotton	2,615	3	...	...	...	...	...	...	2,618
Dyes	Indigo	...	...	...	...	...	...	...	...	...
	Turmeric, &c.	12	...	...	...	...	...	1	...	13
Drugs	Opium	...	...	...	...	477	588	618	...	1,683
	Tobacco, &c.	...	...	...	...	...	...	...	...	...
Oilseeds	Mustard, &c.	...	...	...	...	...	...	43	...	43
	Castor	86	...	...	...	...	...	1	...	87
Miscellaneous		15	...	...	...	117	756	5,922	...	6,810
Hot weather		...	...	...	...	...	...	9,911	...	9,911
Total, 1890-91		145,672	38,278	79,056	386	34,449	26,840	217,085	2,764	544,530
Total, 1889-90		147,282	39,345	68,352	458	34,227	25,814	245,241	4,215	564,934

Calcutta,
The 3rd October 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

No. III.—Annual Statement.

IRRIGATION OPERATIONS FOR THE YEAR 1890-91.

Statement in acres of crops irrigated by Canals in Canal Divisions.

Nature of Crops.		Taldunda Canal.	Kendrapara Canal. / High Level Canal, Range I.	High Level Canal, Range II. / High Level Canal, Range III.	Midnapore Canal.	Patna Canal.	Arrah Canal.	Buxar Canal.	Sarun Canal.	Total.	Remarks.
		Mahanuddy.	Brahminee-Byturnee.	Acquapadda-Jajepore.	Cossye.	Eastern Sone.	Arrah.	Buxar.	Gunduck.		
Garden and orchards ...	...	36	93	3	...	8	44	...	...	184	
Sugarcane	...	...	......	......	...	5,115	13,461	6,777	...	25,353	
Cereals ... Wheat ...	...	...	......	......	...	1,310	8,069	12,589	...	21,968	
Cereals ... Barley ...	...	...	.....	......	...	2,413	7,119	530	...	10,062	
Cereals ... Rice ...	...	41,184	98,467	40,783	79,442	48,856	93,561	47,249	1,496	451,038	
Cereals ... Miscellaneous	...	52	19	......	...	193	1,652	4,072	1,268	7,156	
Pulse ... Gram, &c.	...	...	......	......	...	152	1,873	10	...	2,035	
Pulse ... Miscellaneous	...	234	348	......	...	1,304	3,318	365	...	5,569	
Fodder crops ... Grass, lucerne	...	...	......	......	...	...	..	...	...	...	
Fibres ... Cotton ...	...	227	2,388	3	...	...	...	...	...	2,618	
Dyes ... Indigo ...	...	...	......	......	...	...	...	...	...	...	
Dyes ... Turmeric, &c.	...	...	12	......	...	...	1	...	...	13	
Drugs ... Opium	...	...	......	......	...	1,065	583	35	...	1,683	
Drugs ... Tobacco, &c.	...	...	......	......	...	...	...	...	...	...	
Oilseeds ... Mustard, &c.	...	...	......	......	...	...	41	2	...	43	
Oilseeds ... Castor ...	...	2	84	......	...	...	...	1	...	87	
Miscellaneous	...	7	8	......	...	873	62	5,860	...	6,810	
Hot weather	...	...	......	......	...	...	7,552	2,359	...	9,911	
Total, 1890-91	...	41,742	1,01,419	40,789	79,442	61,289	137,236	79,849	2,764	544,530	
Total, 1889-90	...	40,246	1,04,473	41,908	68,810	60,041	145,738	99,503	4,214	564,934	

Calcutta,
The 3rd October 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 17th October 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
	Burdwan Divn.		
1	Burdwan Oct. 17, '91 Raneegunge ...	Nil 0·72	Weather—hot and dry; cool in the morning. Sugarcane and *aman* paddy suffering much for want of rain. Sowing of *rabi* and *kalai* has commenced. Prices of common rice:— Srs. Burdwan ... ... 16¼ per rupee. Culna ... ... 14 per rupee. Cutwa ... ... 16 per rupee. Raneegunge ... ... 16 per rupee.
2	Bankoora ,, 17, '91	0·00	Weather—seasonable. Recent rain has done much good to standing crops, but more rain wanted. *Nuan* paddy ripening. Fodder and water plentiful. No cattle-disease reported. Common rice selling at 18¾ seers per rupee.
3	Birbhum ,, 17, '91	Nil	Weather—seasonable. No rain during the week; but crops continue in a flourishing state. More rain needed. Prices of common rice from 16 to 18 seers per rupee.
4	Midnapur ,, 17, '91	Nil	Weather—seasonable and cool in the mornings. Prospects of crops continue fair. Rain wanted. Prices of common rice:— Srs. Sudder ... ... 16 per rupee. Contai ... ... 19 per rupee. Tumluk ... ... 16 per rupee. Ghatal ... ... 16 per rupee.
5	Hooghly ,, 17, '91	Nil	Crops require more rain. Prices of common rice:— Srs. Sudder ... ... 12¼ per rupee. Serampore ... ... 12 per rupee. Jehanabad ... ... 16 per rupee.
6	Howrah ,, 17, '91	Nil	Weather—fine. Prospects of *aman* and sugarcane crops satisfactory. Price of common rice 14 seers per rupee. Health of cattle good. Fodder and watter-supply sufficient.
	Central Districts.		
	Presidency Divn.		
7	24-Perghs. Oct. 20, '91	Nil	Weather—seasonable. Harvesting of *aus* and steeping of jute nearly completed. *Aman* suffering in parts for want of rain. Sugarcane doing well. Cattle-disease reported from Harowa. Fodder and water sufficient. Prices remain unchanged.
8	Nuddea ,, 17, '91	Nil	Weather—seasonable. Prospects of *aman* not good owing to want of rain. Sowing of cold-weather crops continues. Condition of cattle good, and supply of fodder and water sufficient.
9	Khoolna ,, 17, '91	Nil	Weather—fine and clear; days hot, nights cool. Prospect of *aman* fair. More rain wanted. Fodder and water sufficient.
10	Jessore ,, 17, '91	Nil	Weather—mornings and evenings cool, days warm. Rain wanted for *aman*. Cultivation of winter crops going on. Condition of cattle good. Supply of fodder sufficient. Prices of rice stationary.
11	Murshedabad ,, 19, 91	Nil	Weather—nights cool. State of jute and sugarcane appears to be good. Rain badly wanted in high lands for winter rice. Fodder and water sufficient for cattle. Six head of cattle died of small-pox in thana Khargram in Kandi subdivision.
	Rajshahye Divn.		
12	Dinagepur ,, 17, '91	Nil	Weather—hot during the day, mornings and evenings cool and pleasant. Prospects of winter rice unfavourable; plants reported to be withering in places for want of rain; outturn at present estimated to be 6 annas. *Rabi* cultivation in progress. Price of rice both at Sudder and Thakurgaon stationary. Condition of cattle good. Supply of fodder and drinking water sufficient.
13	Rajshahye ,, 17, '91	Nil	Weather—hot days with comparatively cooler nights. Condition of *aman* not favourable. No expectation of rain. Prospects of *rabi* crops fair. Steeping of jute not finished. Ganja plants thriving well. No cattle-disease. Supply of fodder and water plentiful.
14	Rungpur ,, 17, '91	Nil	Weather—mornings and evenings cool; hot during the day. Prospect of *aman* continues the same. Land is being prepared for mustard sowing. Fodder plentiful.

	No	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Central Districts—concld.			
RAJSHAHYE DIVN.—*concld.*	15	Bogra	Oct. 17, '91	Nil	Weather—fine, dry and cool, with northerly breezes. *Aman* rice on the higher lands will fail altogether. If good rain falls within ten days, most of the crop on the lands of middling height will be saved, but will still be poor. On the lowest lands the crop will be fair. In some places the fields are being irrigated by hand labour: this is unusual in the district. Preparation for the cold-weather crops is going on very vigorously, and the area, especially of mustard, will be very much larger than usual. Potatoes also are being planted much more extensively than formerly. *Til* and sugarcane doing well. Common rice selling at 15 seers per rupee. No lack of fodder and water, and cattle are in excellent condition.
	16	Pubna	„ 17, '91	Nil	Weather—fine and cool. Prospect of *aman* unfavourable. Rivers subsiding again. No cattle-disease.
	17	Darjeeling	...	...	Report not received.
	18	Julpigoree	„ 17, '91	Nil	Weather—hot during day, cold at night. Prospect of *haimanti* paddy not good. Common rice sells at 11 seers per rupee. Fodder and water for cattle sufficient.
		Eastern Districts.			
DACCA DIVN.	19	Dacca	Oct. 17, '91	Figures not given.	Weather—seasonable. Prospect of *aman* paddy fair. *Asvini* paddy being cut. Fodder available. Common rice sold at from 13 to 16 seers per rupee. Condition of cattle good.
	20	Furreedpur	„ 17, '91	Nil	Weather—seasonable. Prospect of standing crops good excepting that of high land paddy which has withered for want of sufficient rain. Sowing of *rabi* crops commenced. Price of rice stationary. No cattle-disease.
	21	Backergunge	„ 17, '91	Nil	Weather—seasonable: days hot, nights cool, mornings somewhat foggy. State and prospects of crops not bad. Rain much wanted. Price of rice stationary. Supply of fodder and water sufficient.
	22	Mymensingh	„ 17, '91	Nil	Weather—hot in day, but cool mornings and evenings. Jute has been harvested. Other crops doing well. Rice is selling at 14 seers per rupee. No cattle-disease. Supply of water and fodder sufficient.
CHITTAGONG DIVN.	23	Chittagong	„ 17, '91	0·05	Weather—dry and clear. Harvesting of *aus* completed; average outturn estimated at 12 annas. More rain wanted for *aman* crop Condition of cattle and fodder good. Prices steady.
	24	Noakhally	„ 17, 91	Nil	Weather—fine and bright. Rain much wanted for rice crop. Prospects unfavourable. Price of rice has risen in Fenny: *aus* rice sells there at 18 and *aman* at 16 seers per rupee; in Sudder at 18½ and 16½ seers respectively. Cattle in good condition. Fodder and water sufficient.
	25	Tipperah	„ 17, '91	Nil	Weather—seasonable. Rain wanted in high lands on which prospect of *aman* is not favourable. Price of rice pretty nearly stationary. Fodder sufficient. No cattle-disease.
	26	Chittagong Hill Tracts.	„ 15, '91	Nil	Weather—hot with foggy mornings throughout the week. Harvesting of *jum* paddy continues. Cotton in pods in some places. Lands are being ploughed for mustard and other cold-weather crops. Common rice is being sold at 12½ seers per rupee.
BEHAR.					
PATNA DIVN.	27	Patna	„ 17, '91	Nil	Weather—hot; cool at night. Westerly wind. Paddy dying for want of rain. More rain required. Westerly wind drying up moisture and tanks. Land being prepared for *rabi*.
	28	Gya	„ 17, '91	Nil	Weather—mornings cool and days hot. Paddy dying for want of rain. Rain badly wanted everywhere. Prices of food-grains almost stationary. Supply of fodder and water for cattle sufficient.
	29	Shahabad	„ 17, '91	Nil	Temperature has risen. Weather fine. *Bhadoi* harvest nearly over. Lands being prepared for *rabi* everywhere. Some *rabi* seed has been sown and is germinating. Rice in unirrigated areas has been damaged by drought. Rain is much wanted both for rice and *rabi*. Prices have slightly fallen at Arrah, risen at Sasseram, elsewhere stationary. Fodder insufficient in a small part of Buxar subdivision.
	30	Durbhunga	„ 17, '91	Nil	Weather—bright with west wind. Up land rice withering for want of rain. *Rabi* sowings commenced. Prices of food-grains stationary. Water and fodder for cattle sufficient.

	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*					
PATNA DIVN—*concld.*	31	Mozufferpur	Oct. 17, '91	Nil	Weather—mornings and nights cool; days hot. Want of rain is beginning to cause anxiety in many places. Rain urgently wanted for *rabi* sowings and for winter rice. In Sitamarhi subdivision fields near the river have been artificially irrigated for about two miles on either side; lands are being prepared for *rabi* sowings. Fodder and water for cattle plentiful. Cattle in good condition. Prices not high for this season.
	32	Sarun	„ 17, '91	Nil	Weather—seasonable. In Gopalgunge subdivision paddy doing well, but in Sewan and Sudder it is suffering for want of rain. Supply of fodder and water for cattle sufficient.
	33	Chumparun	„ 17, '91	Nil	Weather—seasonable. *Bhadoi* harvest nearly finished. Prospect of *aghani* rice generally good. Lands are being prepared for *rabi* crops. Fodder and water for cattle sufficient.
BHAGULPORE DIVN.	34	Monghyr	„ 17, '91	Nil	Weather—rainless; hot in the day, but nights getting cool. Rain urgently required for winter rice which is suffering much. Preparation for *rab* sowings retarded for want of moisture in Lukhiserai outpost. Fodder and water-supply sufficient. Condition of cattle good.
	35	Bhagulpore	„ 17, '91	Nil	Weather—seasonable: days hot, nights cool. Rain wanted throughout the district. Prospects of crops very unfavourable in Banka and Soopool subdivisions. Rice on high lands dying for want of rain. No cattle-disease. Supply of fodder sufficient.
	36	Purneah	„ 17, '91	Nil	No rain. Signs of cold weather in mornings and evenings. Standing paddy doing well in Arrareah, but more rain still wanted in Kishengunge. In Sudder *aghani* suffering for want of rain. In Arrareah and parts of Sudder sowings of *rabi* going on, but elsewhere land is being prepared for this crop. Fodder and water for cattle plentiful everywhere. No cattle-disease.
	37	Maldah	„ 17, '91	Nil	Weather—seasonable. Winter rice suffering for want of rain. Prospects of *kalai* favourable. Sowing of peas and mustard going on. Lands are being prepared for wheat and other crops. Wheat sown to the extent of four annas in thana English Bazar. Condition of cattle good. Fodder and water-supply sufficient. Price of rice stationary.
	38	Sonthal Perghs.	„ 17, 91	Nil	Weather—cool. Wind westerly. Rice coming into ear. Prospects good, but more rain wanted. Minor crops doing well. Water and fodder sufficient.
ORISSA.					
ORISSA DIVN.	39	Cuttack	„ 17, '91	1·75	Weather—seasonable. *Beali* harvest over; outturn estimated at 12 annas. General condition of people, crop and cattle is good except that in parts fodder-supply is insufficient and the *sarad* crop on low lands has been damaged, the cause being the late floods.
	40	Pooree	„ 15, '91	0·62	Weather—seasonable. Re-weeding of winter rice (*sarad*) going on. Harvesting of early rice completed. Price of common rice varying from 23 seers 10 chittacks to 26 seers 4 chittacks per rupee.
		Gope	...	0·25	
		Khurda	...	0·35	
		Banpur	...	Nil	
	41	Balasore	„ 17, '91	0·62	Weather—too dry. Outturn of *beali* or early rice crop has been not much below the average. Winter rice promises to yield an average outturn if good rain falls within the curent month.
CHOTA NAGPORE					
South-West Frontier Agency.					
CHOTA NAGPORE DIVN.	42	Hazaribagh	Oct. 17, '91	Nil	Weather.—bright; cool in mornings and evenings. Prospects of crops fair, but rain needed.
	43	Lohardugga	„ 17, '91	0·03	Weather—warm. Harvesting of *gora* rice continues. Rain wanted for winter rice. Fodder and water plentiful.
	44	Singbhoom	„ 17, '91	0·16	Weather—seasonable. Cold weather has set in. *Gora* and *bera dhan* being cut and cotton being gathered. Prospects everywhere excellent. Prices stationary.
	45	Manbhoom	„ 17, '91	Nil	Cold weather setting in. Rain much wanted, particularly for high lands. Fodder and water-supply sufficient. Rice selling at from 14 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 20th October, 1891.

O. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	Air Pressure: Highest, 8 A.M., barometer reading of month.	Air Pressure: Lowest, 8 A.M., barometer reading of month.	Air Pressure: Mean, 8 A.M., for month.	Air Pressure: Mean reduced to sea-level & to Lat 45°.	Air Pressure: Variation from normal mean.	Temperature: Highest of month.	Temperature: Lowest of month.	Temperature: Mean daily maximum temperature	Temperature: Mean daily minimum temperature.	Temperature: Mean daily temperature.	Temperature: Variation from normal mean.	Humidity: Mean, 8 A.M., humidity.	Humidity: Variation from normal mean.	Cloud: Mean cloud amount, 8 A.M.	Cloud: Variation from normal mean, 8 A.M.	Rainfall.
Orissa.	Pooree	Pooree	29·854	29·545	29·706	29·655	—	91·7	76·6	86·9	79·5	83·2	—	87	—	7·1	—	14·87
		Gopalpore	29·854	29·557	29·710	29·671	—·002	90·2	75·8	86·7	78·1	82·4	—1·3	86	—	4·8	—	5·50
		False Point	29·863	29·543	29·717	29·680	—·012	89·5	75·6	86·4	77·4	81·9	—1·1	88	+1	8·4	+1·3	18·58
	Cuttack	Cuttack	29·799	29·472	29·653	29·675	—·006	92·4	74·8	88·0	77·2	82·6	—1·3	82	0	7·9	+1·3	30·16
	Balasore	Balasore	29·817	29·547	29·671	29·672	—·015	91·4	74·8	86·5	77·3	81·9	—0·2	89	—	5·2	—	19·63
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island	29·850	29·525	29·710	29·679	—·014	90·2	75·5	87·3	78·7	83·1	—0·5	90	0	8·2	+0·7	14·33
	Midnapore	Midnapore	29·713	29·424	29·591	29·686	—·016	93·3	74·1	88·3	77·4	83·1	+0·2	88	+1	3·7	—	10·44
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta	29·855	29·567	29·725	29·692	—·004	91·1	74·2	86·9	77·9	82·4	—0·3	90	—	7·8	—0·4	9·25
	Burdwan	Burdwan	29·767	29·516	29·650	29·705	+·002	93·1	76·4	89·5	78·6	84·0	—0·1	84	—2	7·6	—0·2	1·82
	Bankoora	Bankoora	29·547	29·208	29·419	29·669	—·013	93·1	75·6	88·4	77·7	83·0	—0·3	91	—	6·9	—	5·56
	West Burdwan ... Beerbhoom	Ranigunge	29·530†	29·286†	29·411†	29·705†	+·004	92·5*	74·9*	89·4*	77·7*	83·6*	+0·5	88†	—	3·5†	—	4·55†
	Moorshedabad	Berhampore	29·703	29·568	29·688	29·704	—·003	94·2	75·2	89·7	78·2	84·0	+0·4	91	+5	7·8	—0·7	6·65
	Nuddea	Krishnagore	29·821	29·562	29·703	29·699	+·007	94·3	75·2	89·8	78·0	83·9	+0·9	86	—	6·9	—	3·84
	Jessore and Khoolna	Jessore	29·852	29·582	29·726	29·706	—·008	93·7	74·9	88·7	78·4	83·5	—0·3	89	+2	7·9	—0·5	·609
East Bengal.	Chittagong	Chittagong	29·843	29·606	29·714	29·748	—·004	91·7	74·1	87·6	75·9	81·8	+0·4	85	—3	8·0	+0·9	4·27
	Chittagong Hill Tracts	Demagri				No observations received.												
	Backergunge	Barrisal	29·887	29·609	29·756	29·713	+·002	92·3	74·9	87·8	77·9	82·9	+1·1	87	—	6·9	—	11·41
	Noakholly	Noakholly	29·876	29·643	29·740	29·739	+·018	91·5	74·8	86·9	77·6	82·3	+0·7	88	—	2·4	—	7·80
	Furreedpore	Furreedpore	29·869	29·628	29·745	29·732	+·020	92·0	76·4	87·9	78·4	83·2	+0·7	89	—	5·6	—	4·82
	Dacca	Dacca	29·877	29·640	29·756	29·726	+·007	93·1	74·2	89·5	78·3	83·9	+0·3	88	—1	7·5	+0·3	5·77
	Commillah	Commillah	29·913	29·644	29·764	29·747	+·018	93·3	73·8	89·2	76·5	82·7	+0·2	88	—	4·5	—	7·40
	Mymensingh	Mymensingh	29·838	29·632	29·731	29·740	+·011	93·2	74·6	88·2	77·8	83·1	—1·0	90	—	6·8	—	4·30
North Bengal.	Bogra	Bogra	29·804	29·592	29·697	29·711	+·027	93·8	73·7	89·8	78·0	84·0	+1·5	87	—	4·5	—	3·21
	Pubna	Serajgunge	29·844	29·619	29·728	29·724	+·012	93·6	74·7	88·8	77·8	83·4	+0·7	92	—	6·7	—	4·72
	Rajshahye	Rampore Beauleah.	29·797	29·574	29·690	29·712	+·015	92·8	75·6	88·4	78·7	83·4	+1·3	89	—	5·2	—	2·72
	Maldah	Maldah	29·781	29·564	29·678	29·709	—	95·6	75·7	91·3	78·6	85·0	—	85	—	3·5	—	5·63
	Dinagepore	Dinagepore	29·762	29·548	29·64[illegible]	29·720	—·004	95·1	75·2	90·3	78·6	84·4	+1·5	87	—	5·5	—	2·59
	Rungpore	Rungpore	29·783	29·565	29·667	29·744	+·016	95·3	73·2	90·3	77·6	84·0	+1·3	88	—	2·0	—	5·49
	Julpigoree and Cooch Behar.	Julpigoree	29·583	29·390	29·492	29·728	+·011	93·4	74·1	89·3	76·6	82·9	+1·7	90	—	1·5	—	6·78
	Darjeeling Hill Tracts	Darjeeling	23·097	22·917	23·007	-	+·005	71·1	53·6	65·8	56·6	61·2	+1·1	92	0	7·4	—0·5	5·74
North Behar.	Purneah and North Bhagulpore.	Purneah	29·757	29·533	29·639	29·717	+·012	94·7	73·7	91·1	76·9	84·0	+0·7	87	—2	4·7	—1·8	6·20
	Mozufferpore	Mozufferpore	29·650	29·447	29·555	29·684	—	95·3	74·2	90·7	79·2	85·0	—	87	—	3·9	—	1·22
	Durbhunga	Durbhunga	29·695	29·405	29·593	29·712	+·008	95·9	76·0	91·1	78·7	84·9	+1·3	85	—3	4·2	—1·7	3·31
	Chumparun	Motihari	29·620	29·425	29·519	29·659	+·011	96·2	74·9	91·9	78·2	85·1	+2·2	83	—	5·1	—	4·16
	Sarun	Chupra	29·660	29·446	29·553	29·687	+·015	94·8	76·1	91·5	78·4	84·9	+1·5	86	—	4·6	—	3·12
South Behar.	Shahabad	Dehree	29·452	29·240	29·360	29·663	—·029	97·3	75·0	90·1	78·2	84·1	+1·4	83†	—	5·0	—	4·76
		Buxar §	29·594	[illegible]·381	29·486	29·678	—·012	93·4	73·3	90·1	77·8	84·0	+1·1	83	—	5·8	—	5·05
		Arrah	29·419	29·[illegible]	29·554	29·675	+·001	98·4	74·6	91·5	78·6	85·0	+0·7	86	—	2·6	—	4·71
	Gya	Gya	29·436	29·229	29·339	29·660	—·022	95·0	75·3	91·4	78·5	85·0	+0·6	86	+5	5·4	—2·0	4·24
	Patna	Bankipore	29·661	29·417	29·552	29·686	+·012	94·9	76·2	91·6	79·9	85·7	+0·9	81	—4	7·1	+0·1	3·45
	South Bhagulpore and Monghyr.	Bhagulpore	29·685	29·466	29·58[illegible]	29·697	+·010	94·7	75·5	90·5	78·3*	84·6*	+1·5*	84	—	5·9	—	3·11
	Sonthal Pergunnahs	Naya Doomka	29·347	29·347	29·254	29·690	+·012	92·6	73·5	88·5	76·8	82·7	+0·6	84	—	8·2	—	4·33
Chota Nagpur.	Hazaribagh	Hazaribagh	27·845	27·599	27·733	29·662	—·018	85·7	68·3	84·1	72·1	78·1	—0·2	88	+3	8·4	+0·3	9·24
	Lohardugga, Maunbhoom	Ranchee	27·7[illegible]	27·461	27·507	29·671	—·016	80·9	67·4	81·9	71·2	76·7	—0·4	87	—	8·5	—	13·82
	Singbhoom	Chyebassa	29·061	28·772	28·952	29·660	—·011	91·4	72·7	88·0	76·1	82·1	—0·1	90	—	7·5	—	12·94
Assam.	Sibsagar	Sibsagar	29·651	29·377	29·461	29·749	—·016	95·1	74·0	89·9	77·3	83·6	+0·8	93	+1	8·5	—0·1	10·74
	Goalpara	Dhubri	29·786	29·514	29·672	29·741	—·002	93·2	76·8	88·2	78·1	83·2	+1·8	89	—3	6·7	0	4·87
	Cachar	Silchar	29·803	29·565	29·697	29·752	0	99·6	74·3	91·5	76·4	84·0	+1·0	91	+3	8·7	+1·1	12·61

* Mean of 28 days. | † Mean of 29 days.

Bengal for the month of September 1891.

DISTRICT OBSERVATIONS.												
RAINFALL.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
Of month.					Since 16th May 1891.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
14·73	10·15	+4·58	17·75	13·15	41·87	44·35	−2·48	50·25	54·85	Pooree ... Gopalpore ... False Point ...	Pooree	ORISSA.
21·09	9·33	+11·76	20·20	11·91	53·03	44·26	+8·77	60·20	55·13	Cuttack ...	Cuttack	
18·70	11·10	+7·60	18·00	12·61	52·86	46·41	+6·45	59·33	56·97	Balasore ...	Balasore	
11·87	11·45	+0·42	13·67	13·30	55·29	53·14	+2·15	67·66	62·50	Saugor Island ...	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
9·01	8·09	+0·92	17·33	11·20	52·04	46·14	+5·90	61·67	55·49	Midnapore ...	Midnapore	
8·29	8·52	−0·23	14·40	12·15	40·21	46·28	−6·07	59·50	63·20	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.	
3·87	7·67	−3·80	9·33	10·90	42·43	41·76	+0·67	57·33	55·81	Burdwan ...	Burdwan	
5·10	8·17	−3·07	11·75	12·60	45·71	47·54	−1·83	56·75	62·83	Bankoora ...	Bankoora	
4·80	9·88	−5·08	12·25	12·42	41·45	47·93	−6·48	57·75	61·07	Ranigunge ...	West Burdwan and Beerbhoom.	
6·34	10·40	−4·06	10·83	12·70	37·11	45·37	−8·26	53·50	59·67	Berhampore ...	Moorshedabad	
3·87	8·59	−4·72	9·00	11·00	36·55	43·95	−7·40	56·00	58·00	Krishnagore ...	Nuddea	
5·34	8·94	−3·60	11·83	11·60	39·32	47·56	−8·24	61·89	62·97	Jessore ...	Jessore and Khoolna ...	
6·76	14·32	−7·56	12·00	14·13	82·03	103·43	−21·40	68·00	78·73	Chittagong ...	Chittagong	EAST BENGAL.
5·31	12·72	−7·41	15·00	16·30	62·65	73·27	−10·62	79·00	85·80	Demagri ...	Chittagong Hill Tracts	
9·96	12·12	−2·46	18·00	14·49	55·00	68·64	−13·64	75·25	78·53	Barrisal ..	Backergunge	
5·72	16·76	−11·04	12·00	15·28	62·82	96·55	−33·73	78·00	82·39	Noakholly ..	Noakholly	
4·66	9·05	−4·39	9·00	11·26	35·07	49·05	−13·98	55·66	63·41	Furreedpore ...	Furreedpore	
5·62	10·17	−4·55	10·25	11·59	48·42	54·54	−6·12	63·75	66·37	Dacca ...	Dacca	
5·91	11·35	−5·44	13·00	13·71	52·21	61·85	−9·64	67·00	71·88	Commillah ...	Tipperah	
4·66	13·04	−8·38	8·40	13·68	59·90	62·67	−2·77	56·60	69·94	Mymensingh ...	Mymensingh	
4·32	10·36	−6·04	8·00	11·83	35·94	52·02	−16·08	52·50	60·30	Bogra ...	Bogra	NORTH BENGAL.
3·30	10·42	−7·12	8·50	12·08	33·20	47·84	−14·64	55·00	60·15	Serajgunge ...	Pubna	
3·99	11·86	−7·87	8·67	11·87	39·89	47·13	−9·24	48·67	59·48	Rampore Beauleah.	Rajshahye	
4·62	11·05	−6·43	8·50	11·40	30·77	49·69	−18·92	43·50	57·03	Maldah ...	Maldah	
4·23	11·33	−7·10	7·20	11·51	40·36	52·90	−12·54	46·20	59·86	Dinagepore ...	Dinagepore	
3·25	13·44	−10·19	6·50	11·84	49·85	67·89	−18·04	51·75	64·71	Rungpore ...	Rungpore	
8·98	20·88	−11·90	9·60	14·40	68·36	103·62	−35·26	69·05	76·75	Julpigoree ...	Julpigoree and Cooch Behar.	
13·91	18·64	−4·73	16·00	16·54	78·88	116·54	−37·66	84·00	90·53	Darjeeling ..	Darjeeling Hill Tracts.	
4·36	12·39	−8·03	7·00	11·22	34·52	54·28	−19·76	48·40	55·63	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
2·19	8·99	−6·80	5·33	8·96	34·27	39·21	−4·94	44·16	41·28	Mozufferpore ...	Mozufferpore	
2·23	9·25	−7·02	5·67	9·18	36·53	40·96	−4·43	42·34	45·63	Durbhunga ...	Durbhunga	
3·33	9·30	−5·97	5·50	8·76	34·98	42·28	−7·30	47·00	43·38	Motihari ...	Chumparun	
4·38	7·45	−3·07	35·33	8·72	29·62	37·43	−7·81	35·33	43·69	Chupra ...	Sarun	
5·40	7·07	−1·67	38·20	9·76	24·74	36·01	−11·27	38·80	45·60	Dehree ... Buxar ... Arrah ..	Shahabad	SOUTH BEHAR.
3·24	6·79	−3·55	41·00	8·79	29·03	37·70	−8·67	41·00	44·26	Gya ..	Gya	
4·87	7·04	−2·17	42·25	9·33	35·60	37·06	−1·46	42·25	44·51	Bankipore .	Patna	
3·39	7·91	−4·52	46·20	10·27	36·90	39·06	−2·16	46·20	50·60	Bhagulpore .	South Bhagulpore and Monghyr.	
5·21	10·21	−5·00	55·41	12·09	39·57	46·27	−6·70	55·41	59·44	Naya Doomka ..	Sonthal Pergunnahs ..	
8·11	9·07	−0·96	59·60	12·88	40·97	45·86	−4·89	59·60	62·53	Hazaribagh	Hazaribagh	CHOTA NAGPUR.
11·23	8·90	+2·33	40·53	13·18	42·47	44·62	−2·15	49·53	61·88	Ranchee ...	Lohardugga	
6·32	7·69	−1·37	60·50	11·60	41·02	42·57	−1·55	69·50	59·61		Manbhoom	
11·30	9·32	+2·98	60·00	12·25	45·39	47·14	−1·75	60·00	61·62	Chyebassa ...	Singhbhoom	
										Sibsagar .. ... Dhubri ... ... Silchar	Assam ...	ASSAM.

Table of Rainfall recorded at stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ..	0·80	0·35	1·90	...	0·12	0·30	0·05	...	...	0·60	1·50	1·50	...	...	...	...	1·05	1·80	...	0·10
		Khurdah ...	0·72	0·15	0·23	0·04	0·17	1·59	...	...	...	1·22	1·88	3·74	0·53	0·21	..	...	0·13	0·63	0·03	...
		Banpur ...	0·40	0·35	0·10	...	0·20	1·32	0·39	0·05	..	0·30	0·20	0·70	0·20	0·15	...	...	0·35	0·85	0·32	...
		False Point ...	0·10	0·18	1·19	0·16	1·44	0·53	0·10	...	...	0·02	2·48	4·10	0·50	0·09	0·04	...	0·10	1·52	0·16	...
		Gop ...	2·70	0·02	0·30	0·30	0·92		...	...	...	.	..	3·10	...	...	...	...	0·10	1·05	...	...
		Satpara ...	0·60	0·13	2·58	...	0·07	1·00	...	..	...	1·07	1·66	0·68	...	..	...	...	0·26	1·31	0·40	...
		Pipli ..				0·25	0·40	0·60	...	...	1·25	0·80										...
	Cuttack .	Jagatsingpore	0·50	0·75	0·10	0·10	0·20	0·40	0·02	1·94	...	0·50	1·20	5·72	.	.	...	...	...	0·54	0·75	0·20
		Banki ...	0·26	0·[illegible]7	0·12	0·11	0·58	0·69	0·21	.	...	1·90	0·50	2·60	0·06	...	...	0·21	0·13	0·30	0·45	0·03
		Cuttack ...	0·47	0·14	0·05	0·10	0·45	3·61	0·52	1·27	0·01	3·22	1·30	10·97	0·27	0·16	0·33	...	0·30	1·41	0·15	0·27
		Kendrapara ..	1·53	0·17	0·73	0·15	0·27	0·24	1·08	0·03	0·01	0·07	1·45	0·77	0·28	0·22	...	0·02	0·07	0·38	0·03	0·09
		Jajpore ...	0·45	0·16	.	0·09	0·24	2·48	0·35	...	..	0·28	1·15	2·42	0·27	0·41	..	0·43	.	0·81	...	...
		Dharmsalia ..	...	...	0·13	...	1·52	0·60	...	...	..	0·16	0·74	4·90	0·70	0·20	0·10	0·15	1·20	0·36	...	...
		Salipore ...	...	..	0·85	...	..	1·80	...	...	..	0·50	1·16	8·70	0·09	...	...	...	0·26	0·25	0·04	...
	Balasore ..	*Akhoyapada*	0·30	0·35	0·04	0·47	0·34	2·25	0·39	...	..	0·09	0·31	3·74	0·18	0·53	...	...	...	1·30	...	...
		Chandbali .		1·[illegible]6	0·82	0·25	0·55	1·01	0·47	...	0·10	0·83	3·50	1·14	0·06	1·75	...	...	...	0·90	..	...
		Bhuddruck .	0·65	0·08	0·15	0·12	..	1·14	0·65	...	..	0·67	0·75	1·44	0·42	0·36	...	...	...	0·57	0·07	0·52
		Sorah ..	1·00		..		1·30	..	1·10	...	0·40		0·90	0·30	0·20	.	..	..	3·10	0·40	1·00	...
		Balasore ...	0·17	0·01	0·02	0·32	1·21	3·15	0·40	...	0·23	0·44	0·50	0·57	0·20	0·21	0·01	0·01	1·09	1·25	0·40	...
		Jellasore ..	.	1·50	...		1·20	3·40	0·48	...	0·50	0·25	1·00	0·40	0·50	.	2·00	0·93	2·73	1·00	0·10	...
		Baripodah ...	0·36	..	0·06	0·47	2·46	0·85	...	..	0·28	0·25	0·69	0·08	0·09	0·11	0·39	1·29	0·87	0·14	...	...
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	0·29	..	0·18	1·08	4·65	1·85	0·21	..	...	0·44	0·53	0·15	0·15	0·09	0·12	...	0·18	0·43	0·10	...
		Saugor Island	0·60	0·12	0·20	0·85	5·93	0·37	0·41	0·08	..	0·43	0·26	0·38	0·18	0·15	0·02	.	0·18	0·24	0·14	...
		Tumlook ..		0·15	0·37	0·45	0·40	0·44	0·32	..	...	0·03	1·10	0·66	0·42	0·06	..	0·44	0·20	0·10	0·06	...
		Midnapore ...		0·18	...	0·20	0·01	0·75	0·74	.	0·23	0·37	0·04	0·65	0·25	...	...	...	2·35	0·60	0·23	...
		Ghatal ...	0·38	0·25	0·10	0·43	0·31	0·72	0·10	...	0·07	0·24	0·22	0·09	0·02	0·02	...	...	1·36	0·20	0·05	...
		Kukrahaty ...	0·14	0·55	0·55	0·73	1·18	0·15	0·50	...	...	0·60	0·18	0·15	0·97	1·02	...	...	0·12	0·50	...	...
		Garbeta ...	..	0·20	..	...	0·71	0·91	0·10	...	.	0·20	...	0·35	0·23	..	0·26	...	0·50	0·45	...	...
	24-Pergunnahs	Diamond Harbour.	0·18	0·58	1·12	0·43	1·25	0·10	0·30	...	0·07	0·35	0·82	0·03	0·02	0·13	...	...	0·45	0·16	0·02	...
		Canning Town	0·10	0·16	0·24	0·83	0·85	0·03	0·50	..	...	0·17	..	0·05	0·16	0·15	0·17	...	0·30	0·90	0·07	...
		Alipore Jail ...	0·15	0·32	0·10	0·72	0·83	0·82	0·12	...	..	0·75	1·02	0·25	0·08	0·11	0·07	0·06	0·15	0·67	0·15	...
		Barrackpore ..	0·32	...	1·21	...	9·88	...	..	0·08	0·17		2·72	0·09	..	...	...	0·05	1·49	0·95	0·04	...
		Dum-Dum ...	...	...	0·22	0·21	2·00	...	0·72	..	0·30	0·30	0·31	0·19	...	...	...	0·92	0·90	0·18	0·05	...
		Barasat ...	...	...	0·21	0·02	0·40	...	0·05	0·02	...	0·6[illegible]	...	0·03	...	...	..	...	0·32	0·16	...	...
		Busserhat ..	...	...	...	...	0·75	.	0·81	..	...	0·45	...	...	...	...	0·40	...	...	...	0·40	...
	Howrah ...	Howrah ...	0·10	0·05	0·06	0·27	1·05	0·18	0·80	...	..	0·21	0·40	0·02	0·03	0·22	0·08	0·14	...	0·63	0·01	...
		Mohesreka ...	.	0·04	0·07		0·96	0·20	0·15		0·07	0·37	0·74	0·12	0·24	0·04	0·08	..	0·15	0·11	0·02	...
		(*Oolooberiah*).	0·22	...	0·12	0·25	1·20	0·13	0·06	0·04	0·01	0·07	0·28	0·26	0·18	0·20	...	0·12	1·25	0·90	0·04	...
	Hooghly ...	Serampore ...	0·89	0·02	..	0·03	0·78	0·01	...	.	0·33	..	1·93	0·33	0·03	0·15	...	...	1·72	0·93	0·14	...
		Hooghly ...	1·00	...	0·10	0·07	0·50	..	0·35	0·01	..	0·10	1·22	0·62	0·08	0·03	...	...	1·14	0·20	..	...
		Jehanabad ...	..	...	0·19	0·10	1·18	0·10	0·31	0·11	0·21	0·07	...	0·08	...	0·21	...	...	...	0·91	0·07	...
	Burdwan ...	Culna ..		0·07	0·04	0·33	0·65	0·18	0·88	0·04	..	...	.	0·08	0·09		0·08	...	1·68	0·04	...	...
		Burdwan ...	0·01	0·02	0·42	0·05	0·06	0·11	0·11	0·01	0·08	...	0·09	0·38	.	0·01	0·04	.	0·63	0·09	...	...
		Cutwa ...	0·10	0·17	0·04	0·42	0·02	0·14	0·51	.		...	0·03	...	.	0·02	.	0·07	0·14	0·10	0·02	0·19
		Raneegunge .	0·12	0·46	0·41	0·06	0·23	0·20	0·11	0·02	0·41	...	...	...	0·23	0·06	.	...	0·70	0·14	0·10	...
		Mankur ...	..	...	0·30	...	0·11	...	...	0·11	..	...	...	...	...	...	...	...	...	0·15	...	...
	Bankoora ...	Bankoora ...	0·05	0·03	0·45	0·09	1·12	0·44	0·19	0·02	0·01	0·14	...	0·09	0·07	...	0·11	0·04	0·19	0·60		...
		Bishenpore ...	0·09	0·26	0·67	...	0·07	0·35	0·07	...	0·27	0·08	...	0·72		...	...	...	0·52	0·49	...	...
		Maliara ...	0·02	0·02	0·20	0·14	0·16	0·17	0·12	0·03	0·37	...	...	...	0·10	...	...	...	0·26	0·23	0·13	...
		Khatra ...	0·10	...	0·60	...	0·40	..	0·60	...	0·72	...	...	0·50	..	...	...	...	1·00	...	0·02	...
		Indas ...	0·41	...	0·15	...	0·23	...	0·78	...	...	0·25	...	0·12	...	...	0·29	...	...	0·42	...	...
		Kotalpore ...	...	0·22	0·24	...	1·14	0·12	0·60	...	...	...	...	0·25	...	...	...	...	0·05	0·43	...	...
		Anda ...	3·44	...	...	0·35	0·05	1·03	...	..	1·44	...	...	0·27	0·21	...	...	...	0·12	0·90	...	...
		Gangajalghati	..	...	0·53	...	0·38	0·24	..	...	0·08	...	...	...	0·26	...	..	...	0·05	0·83	0·17	...
		Raipore ...	0·25	...	0·24	...	1·15	...	0·90	...	0·22	...	...	...	0·25	0·19	0·16	...	3·75	0·48	...	...
		Sonamukhi ...	...	0·10	0·46	...	...	0·88	0·86	...	...	...	..	...	...	...	...	...	...	...	...	...
	Beerbhoom ...	Bh. Soory ...	...	0·19	0·72	0·02	0·85	0·57	0·12	0·09	0·45	...	...	0·03	0·01	0·07	...	...	0·01	0·32	0·04	...
		Hetampore ...	.	0·65	0·23	0·19	0·09	0·73	0·11	0·07	0·05	...	0·03	..	0·25	...	...	0·07	0·07	0·01	...	...
		Rampore Haut	0·34	0·05	0·18	0·78	0·02	0·17	0·15	0·35	0·01	...	0·14	0·02	0·06	0·14	...	..	...	0·17	0·07	...
		Bolpur ...	0·15		0·33	..	0·35	..	0·71	.	.	...	..	...	...		...	..	1·30	0·35	...	...
		Murarai ..	...	0·25	1·21	...	...	...	.	...	...	...	1·43	...	.	0·64	...	0·11	...	...	...	...
	Nuddea ...	Ranaghat ...	0·16	0·06	0·22	0·82	0·33	0·09	0·72	0·02	..		0·07	0·15	...	..	...	0·05	0·04	..	0·06	...
		Kishnaghur ...	..	..	0·65	0·47	0·19	0·31	0·61	...	...	0·61	0·03	0·07	...	.	..	0·46	0·[illegible]0	0·07	0·06	...
		Chooadanga ..	0·03	...		0·78		0·19	0·40	0·05	..	...	0·20	..			...	...	0·17	...	...	...
		Meherpore ...	0·47		0·15	0·20	0·28	...	0·50	...	..	...	0·04	...	..	0·09	...	..	0·08	...	...	...
		Kooshtea ..	...	0·09	0·12	0·07	0·08	0·10	0·40	...	0·03	.	0·15	...	0·15	0·02	...	0·80	0·05	0·17	...	...
	Khoolna ...	Satkhira ...	0·20	0·01	0·08	0·40	0·19	0·04	0·02	...	0·02	0·28	...	...	0·21	0·09	0·40	0·45	0·24	0·07	0·21	...
		Bagirhat ..	0·23	0·08	0·14	0·06	...	..	.	...	..	.	...	..	0·25	0·28	...	...	..	...	...	...
		Khoolna ...	0·04	0·03		.	...	0·07	0·39	...	...	0·05	...	0·10	0·12	0·03	1·26	...	1·12	0·21	...	...
		Nakipur ..	0·92	..	0·82	0·50	.	...	0·73	...	...	...	...	...	0·23	0·17	0·05	0·06	0·50	0·17	0·48	...
		Rampal ..	...	0·20	0·70	..	..	...	...	...	...	...	...	...	0·70	...	...	0·30	0·10	0·20	...	...
	Jessore ...	Narail ..	0·07	0·37	0·23	...	0·54	0·09	0·77	...	0·55	.	...	...	..	0·05	...	0·25	0·34	..	...	...
		Jessore ...	0·39	1·60	0·04	0·03	0·02	0·19	0·26	....	0·09	0·16	...	0·05	0·12	0·04	0·03	1·41	0·16	0·02	...	...
		Jhenidah ...	...	0·06	..	0·26	0·12	0·14	0·37	...	...	...	0·04	0·16	0·06	0·06	0·07	...	0·11	...	...	...
		Magoorah ...	...	0·04	0·10	...	0·04	0·17	0·12	..	0·13	...	0·95		0·04	...	...	...	0·35	...	...	...
		Bongong ...	...	1·04	...	...	0·40	0·20	0·10	...	...	...	...	0·72	...	..	...	...	0·63	...	...	...
	Moorshedabad	Kandi ...	...	...	0·40	0·10	...	0·24	0·55	0·22	...	...	...	...	...	...	...	...	0·80	0·10	...	...
		Berhampore...	0·02	0·66	0·21	0·67	0·27	0·04	0·06	...	...	...	0·06	...	0·20	...	0·43	...	0·50	0·33	...	...
		Lalbagh ...	0·65	1·08	0·12	0·89	0·09	0·06	0·05	0·28	...	...	0·04		0·55	0·03	1·07	...	0·26	...	...	...
		Azimgunge ...	..	0·24	0·22	.	0·40	..	0·09	0·34	...	...	...	0·28	0·73	.	...	..	1·20	...	...	...
		Jungipore ...	0·25	0·09	0·36	0·38	..	0·05	...	0·35	...	...	—	..	1·13	0·21	0·06	0·04	2·86	...	...	...
		Lalgola .	..	0·50	0·40	0·15	...	...	..	...	0·55	...	...	..	.	...	0·15	2·30	0·25	..	0·05	...
		Akriganj ...	0·30	0·14	0·03	0·29	...	0·09	0·26	...	...	...	...	...	0·23	0·22	...	...	...	0·03	...	...
		Patkabari ...	...	.	0·60		0·35	0·20	...	...	..	...	...	0·30	...	...	...	...	0·30	0·05	...	...
EAST BENGAL	Chittagong ...	Cox's Bazar ...	0·49	0·20	...	.	0·17	0·20	0·31	...	0·07	0·29	0·10	0·13	1·12	0·06	0·60	...	0·02	..	...	...
		Chittagong ...	0·83	0·02	..	0·40	0·21	..	...	...	...	0·05	0·02	0·12	0·60	0·05	...	...	...	0·03	...	...
		Kutubdia ...	0·25	...	...	...	0·07	..	...	...	...	0·07	0·15	0·13	0·02		...	...	...	...	...	1·37
		Salkanya ...	0·04	...	0·08	0·33	0·05	0·10	...	...	..	1·04	0·50	0·05	0·21	0·30	0·08	1·47	0·54	...	...	1·29
	Chittagong Hill Tracts.	Rangamati ...	0·31	0·33	0·04	0·19	0·09	0·36	...	0·21	...	...	0·09	0·15	0·29	0·25	...	...	...	0·68	...	0·64
		Bandarban ...	0·42	0·12	...	...	...	...	...	...	...	...	..	0·90	0·52	...	...	0·32	...	...	...	0·21

in Bengal in September 1891.

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 30th Sept. 1891.	Average rainfall from 16th May to 30th September.	Station.	District.	Meteorological division.
...	0·60	0·50	...	0·70	0·70	0·70	0·10	...	...	17	13·35	13·97	10·08	1·90	36·45	33·09	Pooree ...	Pooree	Orissa.
...	0·61	4·28	0·20	0·73	0·31	0·77	...	...	...	18	13·06	18·31	10·87	4·23	40·[illegible]8	47·19	Khurdah.		
...	0·20	1·20	0·12	0·80	...	...	...	...	...	18	12·45	8·17	9·06	1·32	29·09	40·81	Hanpur.		
...	2·[illegible]6	0·91	0·31	0·23	1·67	...	...	...	...	18	12·85	18·58	11·15	4·19	55·06	50·28	False Point.		
...	2·00	2·63	1·11	1·05	0·47	0·44	...	...	...	13	?	16·10	?	8·10		?	*Gop.*		
..	..	1·50	0·40	0·42	0·57	1·00	...	...	...		?	13·05	?	2·58	31·42	?	*Satpara.*		
1·10	2·80	0·70	0·90	0·85	...	1·95	...	...	...		?		?			?	*Pipli.*		
...	2·70	2·40	0·35	1·00	0·26	0·20	0·48	0·18	...	21	10·53	20·49	8·50	5·72	46·89	38·20	Jogatsingpore.	Cuttack	
...	0·90	3·25	0·05	0·13	0·43	0·04	0·20	...	...	19	12·50	13·80	8·84	3·23	40·61	43·09	Banki.		
.	0·69	2·36	0·21	1·11	0·37	0·26	..	...	...	23	12·80	30·95	10·07	10·07	68·28	48·83	Cuttack.		
...	4·72	3·25	0·83	0·47	0·30	0·84	..	...	...	18	11·6[illegible]	23·04	9·37	6·77	55·60	45·05	Kendrapara.		
..	1·00	1·85	0·15	2·32	0·64	0·16	0·40	0·22	...	20	12·17	16·98	9·87	2·48	53·79	46·05	Jajpore.		
0·70	2·05	0·20	3·30	0·40	0·30	0·20	...	..	...	19	?	17·90	?	4·90	54·64	?	*Dhurmsala.*		
...	1·20	2·70	0·60	0·50	...	...	...	0·19	...	12	?	18·84	?	8·70	55·15	?	*Salipore.*		
...	0·95	2·32	0·08	2·46	0·45	0·65	...	...	...	16	?	17·13	?	3·74	52·46	?	Akhoyapada	Balasore.	
...	3·75	3·35	0·35	1·36	0·71	1·36	...	...	...	18	12·71	24·11	11·19	3·75	51·99	44·28	Chandbali.		
...	0·89	3·04	0·28	1·94	0·95	.	0·44	..	...	18	12·10	15·13	10·65	3·04	52·61	45·31	Bhuddruck.		
...	2·39	0·70	0·30	2·70	0·20	0·70	.	...	...	16	12·76	16·60	11·24	3·10	50·00	44·37	Sorah.		
...	1·10	2·30	1·22	1·45	0·92	0·42	0·98	...	...	21	13·70	18·49	11·91	3·15	52·41	49·66	Balasore.		
...	0·70	1·16	0·70	2·00	0·20	...	0·60	...	...	20	11·18	20·60	10·48	3·40	52·10	46·11	Jellasore.		
...	0·23	6·21	2·33	...	...	...	...	...	...	15	13·18	17·07	11·11	6·21	58·09	43·59	Baripodah.		
0·13	0·70	0·31	0·44	1·54	0·04	0·22	...	...	...	19	13·05	13·73	11·27	4·65	43·49	51·51	Contai	Midnapore ...	South-West Bengal.
0·92	1·36	0·79	0·48	0·07	0·05	0·05	...	...	...	19	13·45	14·33	11·96	5·93	66·19	55·94	Saugor Island		
0·70	0·03	0·20	1·00	0·34	0·50	0·70	...	...	...	10	9·26	10·07	8·32	1·20	53·87	45·56	Tumlook.		
0·38	...	0·15	0·69	1·31	0·05	0·23	.	...	...	17	12·05	10·39	7·17	2·35	49·99	43·00	Midnapore.		
0·75	0·04	0·23	0·01	0·44	0·34	0·32	0·01	...	...	16	12·29	6·67	8·77	1·[illegible]6	52·25	49·85	Ghatal.		
0·39	0·06	0·28	1·09	0·30	0·22	1·05	...	...	...	29	?	10·73	?	1·18	40·93	?	*Kukrahaty.*		
...	...	...	0·15	0·60	0·15	.	...	...	...	13	?	4·57	?	0·91	44·01	?	*Garbeta.*		
0·07	0·30	0·21	0·32	0·12	0·32	0·18	0·02	...	.	18	13·40	7·55	11·14	1·25	53·16	51·04	Diamond Harbour.	24-Pergunnahs	
0·80	0·30	0·25	1·07	0·43	0·43	0·51	...	0·04	...	19	?	8·53	?	1·07	38·83	?	*Canning Town.*		
0·12	0·25	0·15	0·74	0·10	0·47	0·32	.	...	...	20	13·40	8·61	9·01	1·02	39·87	40·79	Alipore Jail.		
0·06	0·57	0·14	0·49	..	0·21	0·69	...	...	...	12	11·15	11·26	7·47	3·72	43·26	44·48	Barrackpore.		
0·97	0·37	1·00	1·30	0·32	0·25	0·23	...	..	...	18	13·10	11·74	8·86	2·00	39·80	46·13	Dum-Dum.		
0·21	1·10	0·04	0·38	0·65	0·10	0·20	...	...	...	11	12·35	5·58	9·04	1·20	40·85	44·08	Barasat.		
2·32	...	...	0·54	0·99	0·30	0·21	...	...	...	10	11·55	7·26	8·81	2·32	30·39	49·11	Busserhat.		
0·90	0·38	0·07	0·38	...	0·51	1·12	...	...	...	15	12·65	7·01	8·35	1·12	35·88	45·12	Howrah	Howrah	
1·31	0·04	0·02	0·04	0·25	0·12	0·30	...	...	...	13	11·53	5·44	8·60	1·31	37·34	47·16	Mohesreka		
0·80	0·04	0·08	...	0·05	0·80	1·80	..	...	...	15	?	8·00	?	1·25		?	(*Ooloobériah*)		
0·20	0·57	0·28	0·83	0·03	0·25	0·70	...	...	...	15	11·74	10·21	7·96	1·93	42·49	44·83	Serampore ...	Hooghly.	
0·43	0·04	0·01	0·25	0·44	0·20	0·62	...	...	..	15	11·45	8·16	7·15	1·22	39·84	41·89	Hooghly.		
0·03	0·11	0·18	0·15	2·06	0·45	0·42	0·07	...	...	15	12·63	7·10	9·04	2·06	43·36	40·58	Jehanabad.		
0·22	0·15	...	0·13	0·17	1·65	0·04	...	...	...	10	9·15	6·52	6·64	1·68	44·12	39·28	Culna ...	Burdwan.	
...	0·01	...	0·10	...	0·09	0·32	..	...	...	6	12·40	1·82	8·07	0·36	45·01	43·10	Burdwan.		
0·30	...	...	0·49	0·50	0·11	0·31	...	...	...	12	11·15	3·26	8·30	0·51	38·16	42·91	Cutwa.		
...	...	...	0·47	0·14	0·53	0·10	0·05	...	...	14	11·40	4·60	7·26	0·70	43·16	44·96	Raneegunge.		
...	...	0·20	0·21	0·43	0·21	0·51	...	...	...	9	?	3·32	?	1·15	46·86	?	*Mankur.*		
...	0·01	0·03	0·41	0·53	0·04	0·33	0·55	...	...	12	12·53	5·56	7·98	1·12	43·17	46·39	Bankoora ..	Bankoora.	
...	...	0·53	0·19	0·13	0·25	0·19	0·21	...	...	14	12·18	5·22	9·10	0·72	50·59	47·90	Bishenpore.		
...	...	0·03	...	...	0·32	0·24	0·09	...	...	11	11·05	2·57	6·52	0·37	47·75	46·10	Maliara.		
...	...	...	0·58	0·82	...	...	1·12	...	...	10	12·27	7·04	9·09	1·60	41·27	50·14	Khatra.		
0·21	...	0·07	0·33	...	0·73	...	...	0·46	...	12	?	4·45	?	0·78	43·72	?	Indas.		
...	...	...	0·10	0·52	0·10	...	...	...	...	10	?	3·77	?	1·14	45·83	?	Kotalpore.		
...	0·04	0·82	0·22	0·23	...	0·31	...	...	...	12	?	9·23	?	3·44	39·77	?	Anda.		
...	...	0·10	0·37	0·05	...	1·34	0·17	...	...	11	?	5·07	?	1·34	46·27	?	Gangajalghati.		
...	...	0·89	0·40	0·80	0·25	...	0·29	...	...	15	?	10·31	?	3·75	60·90	?	*Raipore.*		
...	...	...	...	...	0·33	...	...	...	...	5	?	2·69	?	0·58	47·94	?	*Sonamukhi.*		
0·34	0·07	...	0·09	0·52	0·14	0·93	0·16	...	...	13	13·00	6·36	10·41	0·95	46·40	49·33	Sh. Soory ..	Beerbhoom.	
0·07	...	0·19	0·41	0·05	.	0·03	.	...	...	8	12·27	3·34	10·84	0·75	40·41	51·16	Hetampore.		
0·16	0·73	0·07	0·04	...	0·39	0·54	0·31	...	...	14	13·00	4·60	10·99	0·78	3[illegible]·78	46·61	Rampore Haut		
0·30	...	..	0·97	0·11	...	1·12	0·23	..	...	11	?	6·52	?	1·42	46·83	?	*Bolpur.*		
...	...	0·45	...	1·24	...	0·22	..	...	...	8	?	5·53	?	1·43	35·39	?	*Murarai.*		
0·26	0·19	0·01	0·31	0·22	0·24	0·37	...	0·02	...	13	10·30	5·31	6·95	0·97	37·89	42·04	Ranaghat ...	Nuddea	
0·00	0·04	...	0·59	0·14	0·50	0·09	...	..	...	8	10·25	3·84	7·90	0·61	37·23	40·62	Kishnaghar.		
0·52	0·06	...	...	0·26	0·58	0·57	0·16	0·05	...	10	11·80	4·48	9·71	0·98	3[illegible]·14	45·61	Choodanga.		
0·28	..	...	..	0·05	0·13	...	...	..	..	7	10·95	2·27	8·06	0·70	36·17	43·0[illegible]	Meherpore.		
...	0·93	.	0·10	...	0·21	...	...	...	...	10	11·70	3·47	10·53	0·93	32·77	48·43	Kooshtea.		
1·20	0·62	0·06	0·18	0·07	0·40	0·52	...	0·05	...	15	12·50	6·07	3·88	[illegible]·20	42·31	49·14	Satkhira	Khoolna.	
1·50	0·90	0·21	0·19	...	0·16	0·67	0·03	...	0·43	11	12·53	5·23	10·01	1·50	47·34	54·67	Bagirhat.		
0·15	0·96	0·15	0·03	0·25	0·27	0·35	...	0·82	.	12	12·58	5·60	9·73	1·26	35·26	48·95	Khoolna.		
0·66	0·71	..	0·30	0·05	0·08	0·9[illegible]	...	...	...	13	?	7·38	?	0·92	45·74	?	*Nakipur.*		
1·50	1·40	0·30	...	0·40	...	1·00	...	...	...	11	?	6·80	?	1·50	37·43	?	*Rampal.*		
0·22	0·30	0·07	0·62	0·33	0·63	0·05	0·03	...	...	11	10·80	4·75	7·31	0·77	34·05	40·96	Narail	Jessore	
0·03	0·13	0·14	0·17	0·12	0·20	0·37	..	..	.	14	12·10	6·09	8·74	1·60	41·98	48·69	Jessore.		
0·80	0·09	...	0·38	..	0·65	1·18	0·11	...	..	11	11·47	4·61	9·11	1·18	35·10	47·63	Jhenidah.		
0·10	0·15	...	0·29	0·60	0·05	0·90	..	...	...	11	10·68	4·03	8·72	0·95	30·87	44·48	Magoorah.		
...	1·23	0·12	...	...	0·52	0·75	...	...	...	10	10·00	5·73	9·03	1·23	41·32	46·04	Bougong.		
...	0·75	...	0·09	...	0·50	0·13	...	...	...	10	12·63	3·88	9·57	0·80	31·73	46·04	Kandi ..	Moorshedabad.	
0·07	2·22	...	0·58	0·04	...	0·29	...	...	..	11	12·75	6·65	10·91	2·22	36·46	45·83	Berhampore.		
2·42	..	0·08	0·83	0·09	1·00	0·30	...	...	...	12	12·71	9·41	10·68	2·43	40·60	44·74	Lalbagh.		
...	0·92	...	0·08	...	0·09	0·15	..	...	...	10	13·37	5·19	9·70	1·20	32·57	45·48	Azimgunge.		
...	0·23	0·11	0·04	0·09	0·31	0·49	...	...	...	11	12·11	7·07	10·78	2·86	39·79	4[illegible]·07	Jungipore.		
...	0·85	0·15	0·27	...	0·20	...	...	...	...	11	12·71	5·82	10·76	2·30	41·36	46·01	Lalgola.		
...	0·54	...	...	...	0·23	...	...	...	...	8	?	2·35	?	0·54	36·98	?	*Akhrigunj.*		
...	...	...	...	...	0·35	...	...	...	...	6	?	2·15	?	0·6[illegible]	36·15	?	*Patkabari.*		
1·23	1·10	0·08	0·04	0·04	1·53	...	...	..	...	14	14·10	8·68	15·11	1·53	97·33	121·87	Cox's Bazar	Chittagong .	East Bengal.
0·20	0·16	0·15	0·20	0·03	1·95	0·02	...	...	...	10	14·15	4·84	18·52	1·95	66·68	84·96	Chittagong.		
0·17	0·21	...	...	..	0·60						?		?	1·37		?	*Kutubdia.*		
0·30	0·28	...	0·50	0·31	0·15	...	...	0·07	0·03	14	?	7·81	?	1·47	91·50	?	*Sathkanya.*		
...	0·13	0·07	0·24	0·08	0·15	...	...	...	0·41	15	16·30	5·31	12·72	0·68	62·65	73·27	Rangamati ..	Chittagong Hill Tracts.	
0·04	0·49	0·08	0·47	0·28	0·22	...	...	...	...	15	?	4·01	?	0·90	93·95	?	*Bandarbun* ...		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL—concld.	Backergunge...	Patuakhally ...	0·45	0·37	0·70	...	0·35	0·35	0·44	...	...	...	...	0·13	0·65	0·12	0·62	...	0·40	0·15	0·11	...
		Perozepore ...	0·41	...	0·33	...	0·13	0·11	...	..	0·14	..	...	0·24	0·57	0·15	0·42	0·24	0·45	0·30	...	...
		Burrisal ...	0·21	0·54	0·81	0·13	0·50	0·23	1·16	0·03	0·05	..	0·05	0·12	0·97	0·20	0·40	...	0·27	0·03	...	...
		Bhola ...	0·32	...	0·20	..	0·14	0·13	0·55	0·31	...	0·39	..	0·19	0·72	0·33	0·14	...	0·16	...	..	...
		Gournaddi ...	0·21	0·35	0·33	0·15	0·26	0·92	0·38	..	0·20	...	..	0·44	0·12	.	0·38	0·45	2·10	...	...	...
		Bauphal ...	1·30	1·14	0·33	0·21	0·14	...	2·80	0·04	...	...	...	0·83	0·80	0·20	..	...	0·17	...	0·01	...
	Noakholly ...	Noakholly ...	0·58	...	0·02	0·10	0·05	0·13	0·27	...	...	...	...	0·14	0·57	0·02	1·03	0·01	...	...	...	...
		Fenny ...	0·43	...	...	...	0·40	...	...	...	.	...	0·70	...	0·45	.	0·60	...	...	0·10	...	...
		Harishpore ...	0·50	...	...	0·10	0·07	0·25	0·20	...	...	...	...	0·30	1·20	0·11	1·55	...	0·15	...	...	...
		Ramganj ...	...	...	...	...	0·32	0·15	...	..	...	...	...	0·41	0·74	0·38	..	0·20	...	...	...	...
	Furreedpore ..	Madaripore ...	..	1·45	0·15	0·07	0·23	0·13	0·58		..	0·07	...	0·35	0·21	..	...	1·43	...	0·27	...	...
		Furreedpore...	0·65	0·02	0·02	0·06	0·05	...	0·30	0·18	0·03	...	...	.	.	...	...		1·11	...	...	...
		Goalundo ...	0·28	0·11	...	0·14	0·05	0·03	0·45	0·04	...	...	...	0·08	0·02	...	...	0·05	0·77	0·01	...	...
	Dacca ...	Munshigunge	1·68	0·05	...	0·10	0·08	0·12	...	0·15	...	...	..	.	0·25	0·56	0·16	0·80	0·05	...	...	...
		Dacca ...	0·43	...	...	0·15	0·29	..	..	...	...	...	...	.	..	...	...	1·12	0·06	0·05	...	...
		Naraingunge	1·46	0·03	0·06	0·16	0·15	0·18	...	0·04	.	...	...	.	0·11	...	...	0·40	0·02	...	...	...
		Manickgunge	0·12	.	0·13	0·15	0·04	0·10	0·32	0·02	0·02	...	.	0·10	0·08	0·64	0·12	0·10	0·18	...	...	...
		Joydebpore ...	1·57	0·13	0·11	...	0·04	...	...	0·05	...	...	...	...	0·03	...	0·10	0·03	0·34	0·09	...	...
	Hill Tipperah	Agartola ...	0·40	...	0·20	...	0·20	...	...	...	...	0·50	0·50	...	0·40	...	0·50	0·30	0·50	0·60	...	...
	Tipperah ...	Comilla ...	...	...	...	0·03	0·10	...	...	...	...	0·07	...	..	...	0·16	0·15	...	1·17	...	...	...
		Chandpore ...	0·85	...	0·10	0·15	0·20	0·30	...	0·06	0·04	0·37	..	0·11	0·06	0·07	0·09	0·19	0·94	0·10	...	...
		Brahmunberia	...	...	...	0·80	0·10	...	...	0·10	...	..	.	0·32	..	...	0·20	..	0·34	0·20	0·34	...
		Ramchandrapore.	0·13	0·12	...	0·05	0·14	...	...	0·08	...		...	...	...	...	...	0·11	0·21	...	...	...
		Nasirnagar ..	..	0·40	...	0·50	1·30	...	...	...	...	...	...	0·25	0·30	...	1·05	...	1·30	1·50	..	...
		Daudkandi ...	1·10	...	..	..	...	...	0·14	...	...	...	...	...	...	...	1·12	0·11	1·09	...	...	...
		Kasba ...	0·09	...	0·09	0·07	0·05	...	0·35	0·28	...	..	0·13	.	...	...	...	0·14	0·05	0·06	...	...
		Laksham ..	...	...	...	...	...	...	...	...	...	0·91	..	0·05	...	0·65	...	...	...	...	...	...
	Mymensingh ..	Kishoregunge	..	0·33	0·12	...	0·31	...	...	...	...	...	0·42	...	...	...	0·16	0·25	1·02	0·48	...	...
		Atia (*Tangail*)	0·63	0·11	..	0·17	...	...	0·14	...	...	...	...	..	0·13	0·06	1·77	.	0·08	...	...	...
		Mymensingh	0·20	0·03	0·13	...	...	0·01	...	...	...	0·05	0·04	.	...	0·19	1·79	0·05	0·20	0·24	...	...
		Jamalpore ...	..	...	...	0·38	0·10	...	...	...	..	.	..	..	..	0·72	...	...	1·05	...	...	...
		Netrokona ...	...	0·62	0·17	0·14	0·34	...	...	...	...	.	.	.	..	...	1·38	1·65	...	0·31	...	...
		Subornakhally	...	1·15	...	0·15	...	...	...	.	...	..	.	...	0·36	...	..	...	0·65	...	..	..
		Durgapore ..	...	...	...	1·96	...	...	0·40	...	...	...	...	...	...	...	2·75	...	...	1·10	...	.
		Sherpore Town	...	...	...	...	0·21	...	...	...	...	...	...	...	...	0·53	...	0·89	...	...	...	.
		Dewanganj ...	1·20	...	...	0·36	...	...	...	...	...	..	...	...	...	...	1·34	...	...	...	...	...
NORTH BENGAL	Pubna ...	Pubna ...	0·06	0·07	0·15	0·14	0·07	0·03	0·07	...	0·07	...	0·11	...	0·07	..	...	0·28	0·12	...	...	...
		Serajgunge ..	0·27	0·04	...	0·08	...	0·10	0·07	...	...	0·03	...	...	0·04	..	0·06	0·35	1·58	0·02	...	...
	Bogra ...	Sherpore ...	0·70	0·10	...	0·10	..	...	0·04	...	...		...	...	0·40	...	..	0·52	3·25	0·22	...	...
		Nowkhilla ...	0·04	...	0·33	0·17	..	...	..	...	.		...	...	...	...	0·07	0·14	2·15	...	...	...
		Bogra ...	...	0·10	...	0·55	0·12	...	..	0·09	..	...	...	...	...	...	0·01	0·60	0·90	0·01	..	...
		Panchbibi ...	0·36	0·04	...	0·18	...	...	...	0·12	.	.	...	...	...	0·35	0·54	...	0·78	...	...	...
	Rajshahye ...	Beauleah ...	...	0·06	0·14	...	0·03	...	0·59	...	...	0·29	...	...	0·11	0·02	0·02	0·12	...	0·24	...	...
		Nattore ...	0·32	...	...	0·15	...	...	0·05	...	0·15	0·11	...	...	0·15	...	0·60	1·04	0·13	..	...	...
		Naogaon ...	0·35	0·10	0·22	...	0·04	...	0·08	...	...	..	...	...	0·12	...	0·58	3·50	0·40	...	...	...
		Lalpore ...	0·25	...	0·30	...	...	0·30	...	...	...	...	...	...	...	0·50	0·70	...	...	...	...	...
		Manda ...	0·20	0·20	0·74	...	...	.	...	...	...	...	...	...	...	...	3·00	0·60	0·30	...	...	..
	Maldah ...	Maldah ...	0·18	0·03	.	0·06	0·30	0·01	...	0·02	...	...	...	...	0·09	0·02	...	1·24	1·28	0·02	...	...
		Chanchal ...	0·57	..	0·20	0·05	..	...	...	..	...	...	...	...	0·30	...	..	1·35	0·26	0·07	...	...
		Gajol ...	1·00	0·05	...	0·40	...	...	...	...	...	...	...	...	...	0·20	..	4·87	...	...	...	...
		Sibganj ...	...	...	0·04	0·08	...	0·20	0·20	0·03	0·03	0·13	...	...	1·23	0·22	...	...	0·57	0·26	...	...
	Dinagepore ...	Mohadebpore	0·50	0·25	...	0·36	0·13	...	0·06	...	0·10	...	...	0·14	...	...	...	...	1·53	0·15	..	...
		Churamon ...	0·81	0·41	0·14	0·21	..	...	...	...	...	...	...	0·76	0·31	...	...	2·88	0·54	...	...	...
		Raigunge ...	...	..	0·32	...	...	...	...	...	...	...	...	0·40	...	...	...	5·30	...	...	..	...
		Dinagepore ...	...	...	...	0·37	...	...	...	...	...	.	...	...	...	...	0·64	0·25	...	...	...	...
		Baloorghat .	0·17	...	...	...	...	...	...	..	...	...	...	...	...	...	0·14	...	0·67	0·18	...	...
		Thakurgaon...	0·93	...	...	...	...	...	...	...	...	...	...	0·11	...	...	0·26	2·57	...	...	...	...
	Rungpore ...	Bhawanigunge (*Gyabanda*).	...	0·07	0·05	1·00	...	...	...	...	...	...	...	...	...	...	0·05	0·03	1·43	0·20	...	...
		Rungpore ...	1·30	0·33	0·02	0·61	...	...	...	..	..	..	0·14	...	...	...	1·23	...	0·73	0·12	...	...
		Kurigram ..	...	...	...	...	...	...	...	...	...		...	...	...	...	0·90	0·09	0·18	0·08	..	..
		Bagdogra (*Nilphamari*).	...	0·04	...	...	0·23	...	...	...			...	0·08	...	0·14	0·34	0·18	0·31	...	...	...
		Ulipore ...	0·19	...	...	...	...	...	...	..		...	...	...	...	...	0·07	0·86	1·26	0·44	...	...
	Julpigoree ...	Julpigoree .	...	...	0·06	...	0·21	...	..	..	0·23	...	...	0·57	0·66	1·75	0·30	2·48	0·15	...	...	...
		Alipore Doar	1·61	...	0·57	...	...	...	..	...	...	...	...	0·05	0·15	2·33	...	1·30	..	...	...	...
		Falacotta ...	...	...	1·62	...	...	...	..	...	..	.	...	0·45	0·06	0·73	...	3·01	...	...	...	..
		Debiganj ...	0·29	..	0·45	..	...	...	...	...			...	2·02	...	...	...	0·08	0·20	0·07	...	..
		Bhagatpore (Nagrakatta).	0·26	0·18	0·24	1·45	0·08	0·37	0·01	1·74	0·13	.	...	0·21	0·74	1·38	...	2·35	0·46	...	...	...
	Cooch Behar...	Dinhatta ...	0·05	0·04	...	...	...	0·06	...	...		...	0·08	1·83	0·02	0·81	0·30	0·26	0·10	0·04	...	...
		Cooch Behar...	1·72	...	.	...	...	...	...	...	.	.	..	0·12	...	2·25	0·41	0·98	0·06	...	...	...
		Mekligunge...	0·12	0·15	...	...	0·11	...	...	...	...	..	..	0·07	0·03	0·98	0·50	2·82	0·73	...	...	...
		Matabhanga...	1·07	...	.	...	0·04	0·03	...	..	...	..	.	...	0·20	0·92	0·75	3·45	0·56	...	0·07	...
	Darjeeling Hill	Buxa ...	2·20	0·30	0·14	2·51	0·78	...	...	0·04	1·39	0·70	...	0·15	4·50	2·45	0·25	1·52	0·26	...	0·08	..
		Siliguri ...	1·74	0·50	0·03	1·03	...	...	.	...	0·30	...	...	0·79	0·16	1·00	...	2·65	0·05	0·15	0·05	...
		Darjeeling ...	0·21	0·32	0·11	0·18	0·01	0·05	0·01	...	0·01	0·22	.	0·01	0·30	0·48	0·30	0·96	0·58	0·87	...	...
		Kalimpong ...	0·81	0·48	0·04	1·12	...	0·70	0·48	...	0·10	..	..	.	0·22	0·09	0·14	1·05	0·34	0·98	...	...
		Kurseong ...	4·30	0·30	0·30	3·46	0·08	0·64	0·11	0·16	3·00	0·87	0·86	0·07	0·55	0·90	0·75	1·80	1·00	1·72	0·23	...
NORTH BEHAR	Purneah ...	Kissengunge	...	...	...	0·16	...	...	...	...	0·04	..	...	0·22	0·06	0·17	0·44	0·45	0·33	...	...	...
		Arrareah ...	...	...	...	0·11	...	...	...	...	0·05	.	...	...	0·15	0·06	1·04	0·02	1·03	...	...	...
		Purneah ...	...	...	...	0·02	...	...	...	...	..		..	...	...	0·02	1·75	3·70	0·51	0·08	...	...
		Gondwara ...	...	...	...	...	..	...	..	...	...	.	.	0·23	...	0·23	...	0·20	2·02	0·77	...	...
		Balarampore	...	...	0·20	...	...	..	..	1·60	..	...	..	0·20	0·40	...	0·15	...	0·45	...	...	...
		Matiari ...	...	...	...	...	...	...	...	...	0·10	...	...	0·05	...	2·20	...	0·12	...	...	...	...
		Kaliaganj ..	1·00	...			...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...
	North Bhagulpore.	Maddapore ...	0·10	0·01	...	...	0·16	...	...	...	..	..	...	...	0·15	...	0·06	0·30	...	...	...	..
		Soopool ...	0·16	0·48	0·10	...	...	...	...	...		...	...	...	...	0·55	2·12	1·07	...	...	...	...
		Protabganj ...	2·45	...	...	...	...	...	...	...		...	...	...	...	...	...		...	...	...	...

in Bengal in September 1891—*continued.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st August 1891.	Average rainfall from 16th May to 31st August.	District.	Station.	Meteorological division.
1'38	2'34	0'36	0'77	0'71	...	0'20	...	...	...	10	14'61	10'94	13'36	2'34	61'76	78 62	Patuakhally ...	Backergunge.	EAST BENGAL —*concld.*
2'72	1'16	0'14	0'69	0'15	.	0'80	...	...	...	18	13 05	9'24	11'34	2'72	58'12	61 81	Perozepore.		
1'01	0'51	0'18	1'32	..	1'53	0'97	...	...	...	18	14'83	11'24	11'68	1'53	50 89	50'29	Burrisal.		
0'18	0'08	...	1'95	0'20	0'32	0'75	...	..	...	17	14'85	7'27	12'12	1'95	40'09	73 92	Bhola.		
0'48	0'09	...	1'82		0'42	...	0'70	0'75	0'27	19	?	11'02	?	2'10	47'21	?	*Gournaddi.*		
0'45	0 70	...	1'20	1'13		...	...	0'30	0'33	17	?	12'31	?	2 80	58'63	?	*Bauphal.*		
0'21	0'14	0'45	1'37	1'22	0'24	.	...	...	...	14	15'85	7'54	17'80	1'37	66'52	97'71	Noakholly ...	Noakholly.	
...	0'15	...	0'45	0'37	0 25	...	...	..	...	19	14'71	3'90	15'71	0'70	59'20	95 30	Fenny.		
0'17	...	..	0'15	4'70	1'00	1'20	...	...	...	14	?	11'65	?	4'70	99'16	?	*Harishpore.*		
0'67	0'21	0'19	1'18	0'91	...	...	...	...	...	11	?	5'36	?	1'18	40'42	?	*Ramganj.*		
...	0'35	...	1'02	...	0'09	0'15	..	..	...	12	11'36	6 46	8'50	1'45	38'06	45'96	Madaripore	Furreedpore	
0'71	0'73	...	0'59	.	.	0'11	0'02	0'02	..	8	11'75	4'59	10 04	1'11	40'34	51 74	Furreedpore.		
...	0'37	...	0'46	0'05	...	...	...	...	..	7	10'47	2'91	8 61	0'77	28'44	47'35	Goalundo		
...	1'05	0'05	0'38	0'12	0'10	..	0'18	0 03	...	13	12 61	5'92	12 24	1'08	44'70	62 63	Munshigunge	Dacca.	
...	2'78	0'08	0'13	..	..	..	0'26		...	7	11'95	5'35	9'97	2'78	52'53	53'10	Dacca.		
...	3'34	0'34	0'23	0'04	0'05	0'03	0'33	0'59	..	10	11 13	7'51	10'35	3'34	57 43	57'04	Naraingunge.		
...	0'70	0'08	0 39	0'09	...	...	0'06	...	0'09	11	10'67	3'71	8'13	0'70	38 94	45'17	Manickgunge.		
...	0'76	0'13	0'3.	0'06	...	...	...	...	...	9	?	4 36	?	1'57	46 92	?	*Joydebpore.*		
...	0'30	0'30	1'00	0'50	...	...	...	...	...	14	14'15	6'10	10'50	1'00	54'40	54'18	Agartala ..	Hill Tipperah	
0 95	0'26	3'14	0'05	0'46	...	0'12	...	0'10	...	10	13'50	6'76	11'40	3'14	53'09	63'50	Comilla .	Tipperah.	
0'42	0'34	0'09	1'40	0'60	0'12	0'91	...	0'40	. .	17	14'58	8'00	11'84	1'04	50'57	63'33	Chandpore.		
...	.	0'32	...	...	...	...	0'24	...	...	10	12 60	2'76	11 69	0'60	49'45	55'28	Brahmunbaria.		
...	1'71	0'15	0'29	0'26	...	...	...	...	...	9	?	3'27	?	1'71	47'21	?	*Ramchandrapore.*		
...	...	2 20	0'61	...	0'10	...	...	...	...	11	?	9'50	?	2'29	27'04	?	*Nasirnagar.*		
...	0'98		1'11	...	..	..	...	...	...	6	?	4'65	?	1'12	46'30	?	*Daudkandi.*		
..	1'50	0'27	0'08	0'15	0'75	0'40	...	...	...	9	?	4'44	?	1'50	?	?	*Kasba.*		
0'32	0'35	0'50	0'45	1'55	0'50	..	...	...	...	8	?	5'46	?	1'55	56'01	?	*Laksham.*		
...	...	2'62	...	..	0'45	...	...	...	...	10	14'22	6'21	13'11	2'62	76'87	63'01	Kishoregunge.	Mymensingh.	
...	0'44	...	. .	...	..	..	..	..	...	7	10'05	3'53	9'81	1'77	37'11	43'30	Atia (*Tangail*).		
..	...	0'65	0'25	...	0'03	..	0'34	...	...	9	15 35	4'20	14'19	1'70	52'49	67 23	Mymensingh.		
.	...	1'10	...	..	..	..	..	...	...	5	13'80	3'35	14'06	1'10	54'06	59 00	Jamalpore.		
...	.	0'59	0'15	...	0'30	0 00	0'28	...	. .	11	15'00	6'00	14 04	1'65	78'92	74'80	Netrokona.		
...	0 28	...	0'13	..		...	0'30	0'18	...	8	?	3'20	?	1'15	34'17	?	*Sabornakhally.*		
.	...	1'11	...	...	..	..	...	...	...	5	?	7 84	?	2'75	81'62	?	*Durgapore.*		
...	...	..	...	..	1'93	..	...	...	...	4	?	3'56	?	1'93	62'84	?	*Sherepore Town*		
...	...	0'57	...	...	...	0'17	...	...	...	5	?	3'73	?	1'34	6?'09	?	*Dewanganj.*		
...	0'51	..	0'24	...	0'10	...	0'28	...	...	9	12'45	2 44	10'97	0'51	25'97	48 31	Pubna ...	Pubna ...	NORTH BENGAL.
. .	0'33	...	0'12	...	0'01	...	0'60	0'01	0'50	8	11'70	4'16	9'87	1'53	40'42	47'34	Serajgunge.		
..	0 05	...	0 03	...	0'15	...	0'36	...	...	9	12'00	6'01	10'25	3'25	29'70	52'85	Sherpore .	Bogra.	
...	...	0'38	0 07	...	...	0'04	0'22	0 05	...	6	12'14	3'64	9'77	2'15	38 25	48 61	Nowkhilla.		
...	...	...	0'25	...	..	0'43	0'15	...	..	8	12'05	3'21	10'75	0'90	35'49	55'66	Bogra.		
...	...	...	..	..	0'83	1'01	..	...	0'21	9	11'14	4'42	10 68	0'83	40'32	50'64	Panchbibi.		
...	0'31	0'26	0'18	..	...	..	...	...	...	9	12'15	2'57	11'27	0'69	38'52	47'72	Beauleah ..	Rajshahye.	
..	0'09	...	...	..	..	1'16	...	...	...	9	12'21	3'95	11'64	1'16	49 63	41'45	Nattore.		
..	0'03	0'07	...	...	0'13	...	...	...	...	8	11'25	5'60	12 63	3'50	31'55	50'21	*Naogaon.*		
0'12	0'10	...	...	...	..	...	...	..	...	7	?	3'27	?	1'12	35'46	?	*Lalpore.*		
...	...	0'22	...	..	..	...	...	..	...	7	?	5'26	?	3'00	27'34	?	*Manda.*		
..	0'70	0'03	0'16	0'01	1'05	0'44	...	...	...	8	11'80	5'63	11'50	1'28	34'29	48'49	Maldah ..	Maldah.	
0 25	..	0'15	0'20	0'07	0'15	...	...	..	...	9	11 01	3 62	10 60	1'35	27'24	52'87	Chanchal.		
..	0'16	0'16	0'10		1'81		...	...	. .	8	?	8'74	?	4'87	45'00	?	*Gajol.*		
...	0'10	...	0'18	0'30	0'06	0'09	...	...	...	10	?	3'72	?	1'23	40'45	?	*Sobganj.*		
.	...	...	0'32	0'20	...	0'27	...	...	...	11	11'42	4'01	11'31	1'53	27'38	52'76	Mohadebpore	Dinagepore.	
..	0'44	0'04	...	0'12	...	...	...	..	...	10	11 91	6'66	12'08	2'88	43 10	50 10	Churamon.		
...	...	...	...	..	..	...	...	...	...	3	11'43	6 02	10'61	5'30	56'05	55'68	Ranigunge.		
...	...	...	0'47		0'10	0'21	...	...	...	6	12 40	2'04	11'14	0'64	38 08	58'09	Dinagepore.		
...	...	...	0'42	...	...	0'77		...	.	6	10'38	2'35	10'84	0'77	37.22	40'84	Balooghat		
...	...	...	0'12	.	...	0'22	...	...	...	6	?	4'21	?	2'57	53 05	?	*Thakurgaon.*		
...	...	...	0'30	...	0'40	0'08	0'03	...	0'10	6	10'74	3 74	11'97	1'43	48'16	55'00	Bhawanigunge (*Gyabandah*).	Rungpore.	
...	0'02	...	0'27	0'04	...	0'03	0'57	...	...	8	13'05	5'27	13'61	1'30	54'27	68'41	Rungpore.		
.	0'23	...	...	...	.	0'22	0'54	...	...	5	11 00	2'28	12 66	0'90	47'75	68 45	Kurigram.		
...	...	...	...	...	0'26	...	0'13	...	...	7	12'57	1'70	15'52	0'34	49'60	79'04	Bastlogra.		
...	...	...	...	. .	...	1'54	0'02	...	...	6	?	4'98	?	1'54	40'32	?	(*Nilphamari.*) *Ulipore.*		
.	...	..	...	0'12	0'02	0'80	..	0'04	0'06	10	13'35	7'15	23'03	2'48	50'73	110'30	Julpigoree ..	Julpigoree.	
...	...	...	...	...	.	1'50	1'00	2'05	...	9	?	11'46	?	2'33	73'64	?	*Alipore Doar.*		
...	...	...	...	0'72	0'83	..	2'05	. .	0'09	7	?	9'56	?	3'01	62'04	?	*Falacotta.*		
...	...	...	0'11	..	..	0'05	0'28	..	0'27	7	?	3'82	?	2 02	53'98	?	*Debiganj.*		
...	...	..	0'85	1'32	0'73	0'99	0'51	0'08	0'83	18	?	14'06	?	2'65	83'16	?	*Bhogotpore* (*Nagrakatta.*)		
...	0'15	...	...	...	0'97	0'09	1'02	0'02	0'78	8	13 27	5'55	18'63	1'66	63'20	89'03	Dinhatta		
...	...	...	...	...	0'13	2 80	1'03	1'17	0'21	10	14 94	10'87	22'78	2'80	74'46	111 63	Cooch Behar ..	Cooch Behar.	
...	...	..	...	0'15	...	1'58	0'72	0'38	..	10	14 55	8'23	19'81	2'82	70'96	101 41	Mickligunge.		
.	...	..	...	0'03	...	2'78	1'48	1'14	0'31	10	13'01	12'80	19 20	3'45	76 52	105'07	Matabhanga		
...	...	0'02	...	0'57	1'85	2'75	0'54	0'68	1'00	20	19'30	25'35	31'45	4'60	113'24	179'90	Buxa .	Darjeeling.	
..	...	..		0'74	2 93	1'13	1'00	1'59	...	14	14 88	15'82	14'93	2'93	94'10	103 07	Siliguri.		
...	..	.	0'45	0'10	0'20	0 56	0 06	0'01	...	15	17'85	3'74	17 66	0'91	82'45	101 52	Darjeeling.		
..	...	...	0'48	0'57	0'20	1'05	0'03	..	...	15	14'65	8'73	10'46	1'12	55 39	80'72	Kalimpong.		
..	...	...	0'06	1'23	0'46	2'31	0'01	0'15	0'11	23	?	25'09	?	4'30	110'83	?	Kurseong.		
..	..	..	0'65	0'3.	0'15	2'34	0'05	...	0'25	11	12'42	5'71	14'08	2 39	44'14	60'07	Kissengunge ..	Purneah ...	NORTH BEHAR.
..	.	...	1'20	0'22	0'37	0'03	...	...	0'40	9	11'53	5'43	13 76	1'20	41 25	53'52	Arrariah.		
.	...	...	0'06	.	...	...	. .	...	.	3	11 58	0'20	14'02	3'76	34'02	56 74	Purneah.		
											?		?			?	*Gondwara*		
..	..	..	0'28	0'60	.	...	...	..	...	7	?	2'68	?	0'77	22'04	?	*Balarampore*		
...	.	0'41	0'07	0'23	.	..	..	0'30	...	7	?	3'34	?	1'00	26'57	?	*Mattiari.*		
...	...	...	0'3	0'05	0'08	1'10	...	..	...	7	?	5'01	?	2'21	53'17	?	*Kaliaganj.*		
...	...	..	0'8.	..	0'05	...	...	...	...	5	10 20	1'63	10'30	0'81	20'19	41'53	Maddapore	North Bhagulpore.	
..	..		1'13		0'14	0'33	...	...	...	7	10'37	2'84	9 77	1'13	25'63	44'54	Soopool.		
...	..	0'37	1'11	...	0'67	...	..	.	...	6	?	7'70	?	2'45	38'81	?	*Protabganj.*		

Table of Rainfall recorded at Stations in

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH BEHAR	Durbhunga	Tajpore	...	...	...	...	...	...	...	...	...	...	0·15	...	...	...	...	0·22	...	...	...	...
		Durbhunga	0·26	1·23	...	0·11	...	0·12	...	0·08	...	...	...	...	...	0·11	...	...	...	...	...	...
		Madhubani	0·26	...	0·06	...	...	...	...	...	...	...	...	...	...	...	0·21	...	...	...	...	...
		Bahera	1·22	0·40	...	...	...	...	...	...	...	...	...	...	...	0·72	...	...	...	...	...	...
		Roshera	...	...	...	...	...	...	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...
	Mozufferpore	Sitamarhi	0·03	...	0·10	...	0·62	...	...	...	...	...	...	...	...	0·20	...	0·50	...	...	...	...
		Mozufferpore	...	...	0·38	0·10	...	...	...	...	...	...	...	...	...	...	...	...	0·05	...	...	...
		Hajipore	...	...	...	0·06	0·51	0·05	0·20	0·47	...	...	...	...	0·29	0·09	...	0·03	0·44	0·03	...	...
		Paru	...	...	...	...	...	...	...	0·31	...	...	...	...	...	...	1·00	...	...	...	...	...
		Mahua	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·59	...	...	...	...
		Sinhar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pupri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chumparun	Motihari	0·14	...	0·18	...	...	...	...	...	...	...	...	...	...	...	...	2·86	0·48	...	...	...
		Bettiah	...	...	0·67	0·06	...	...	...	...	...	...	0·14	...	0·05	...	...	...	1·31	...	...	...
		Bagaha	...	...	...	0·23	0·11	...	...	...	...	0·07	...	...	...	...	2·37	...	1·05	...	...	...
		Burhurwa	...	...	0·04	0·03	...	...	...	0·04	0·08	...	...	...	...	...	...	0·21	3·12	...	...	...
	Sarun	Gopalgunge	...	...	0·06	0·36	...	...	...	...	...	...	...	0·10	...	...	...	0·45	1·85	...	...	...
		Sewan	...	...	0·47	...	...	...	...	0·02	...	...	0·19	...	...	0·11	3·90	1·16	...	...	...	...
		Chupra	...	...	...	0·15	...	...	...	0·50	...	...	...	...	...	...	...	...	0·75	...	...	...
SOUTH BEHAR	Shahabad	Buxar	...	0·11	0·06	0·60	1·08	0·24	0·31	...	...	...	...	...	...	...	0·03	0·29	1·74	0·04	...	...
		Dehree	0·35	...	0·48	0·12	...	...	0·08	0·20	...	0·12	0·35	...	0·45	...	...	...	0·52	0·85	...	...
		Bhuboosah	...	...	...	0·65	0·34	0·05	1·80	...	...	...	...	...	0·12	...	...	...	1·94	0·36	...	...
		Sasseram	1·55	...	0·23	0·16	...	...	0·76	0·07	...	...	...	...	...	...	...	...	0·64	1·20	...	...
		Arrah	...	...	...	...	...	0·19	...	0·15	0·21	...	0·24	0·06	...	...	1·34	2·58	...	...	...	...
		Mohaniah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gya	Aurungabad	...	...	0·13	0·11	...	...	0·12	0·06	...	...	0·40	...	...	...	...	...	...	0·80	...	...
		Gya	...	...	1·12	1·29	...	...	0·25	...	...	...	...	...	...	...	...	...	0·73	0·08	...	...
		Nowadah	...	0·97	0·17	0·60	0·05	0·38	0·05	0·17	...	...	...	...	0·05	...	...	0·62	0·16	...	...	...
		Jehanabad	...	...	...	...	0·11	...	0·03	0·35	...	...	...	...	...	...	...	...	0·80	...	...	...
		Arwal	...	...	0·56	0·15	0·25	...	...	...	0·43	...	...	...	...	...	...	2·40	...	...	...	...
		Daudnagar	...	...	...	...	1·25	...	...	...	...	...	...	...	...	...	...	...	...	0·60	...	...
		Sheerghati	...	...	0·29	0·16	[illegible]	...	...	...	...	...	...	...	...	...	...	0·32	...	0·87	...	...
		Rajauli	...	0·45	[illegible]	0·12	0·35	...	0·20	...	0·16	...	...	...	...	...	...	2·16	2·53	...	...	...
		Pakri Barawan.	...	...	0·55	...	0·40	...	...	...	...	...	0·42	0·10	...	...	...	...	0·17	0·11	...	...
	Patna	Patna	...	0·11	...	...	...	...	...	0·11	...	...	...	...	0·19	0·82	...	5·54	1·82	...	...	...
		Dinapore	...	...	...	0·15	...	...	0·02	0·20	...	0·85	...	...	0·75	...	...	...	...	...	...	...
		Behar	...	...	0·06	...	...	1·00	...	0·43	...	...	...	...	...	...	...	0·91	2·04	...	...	...
		Barra	...	0·10	0·80	...	0·60	...	...	...	0·10	...	...	...	...	...	0·10	1·04	...	...	...	...
		Bickram	...	...	...	0·10	...	...	...	...	0·08	...	...	0·19	...	...	0·58	1·25	...	...	...	...
		Hilsa	...	...	0·30	...	...	...	0·17	0·23	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr	Begooserai	1·00	...	0·37	0·06	...	0·21	0·09	0·04	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr	...	0·18	0·82	0·09	...	0·10	0·25	0·18	0·19	...	...	0·34	0·27	...	...	0·48	...	...	...	...
		Jamui	...	...	0·30	...	0·65	...	0·54	...	...	...	...	...	...	...	0·26	...	...	...	...	...
		Gogri	0·87	0·43	...	...	...	...	...	...	0·10	...	...	...	0·96	...	...	0·47	...	...	...	...
		Sheikpura	...	0·30	0·50	...	...	...	...	0·33	...	...	...	...	...	...	...	...	...	...	...	...
	South Bhagulpore.	Bhagulpore	0·56	0·27	0·37	0·09	0·06	...	0·06	0·14	...	...	...	0·12	...	0·03	...	[illegible]	0·95	0·07	...	...
		Banka	0·60	...	[illegible]	0·09	...	...	0·07	0·22	...	...	...	0·40	...	...	...	0·55	3·35	...	...	...
		Kolgong	0·15	0·28	...	0·48	...	...	...	...	...	...	...	...	...	...	...	1·05	...	0·12	...	...
		Bongaon	...	...	...	...	...	...	...	...	...	...	...	...	0·38	...	...	...	...	...	...	...
	Sonthal Pergunnahs.	Rajmehal	0·18	...	...	0·34	...	...	0·05	...	...	...	1·09	...	...	...	...	0·08	0·94	...	...	...
		Godda	0·08	...	0·30	...	...	...	0·25	0·50	...	...	...	0·60	0·07	...	...	0·85	2·20	...	...	...
		Pakour	...	0·54	0·22	0·12	0·37	0·13	0·03	0·12	...	...	...	...	0·81	...	...	0·48	0·29	0·09	...	...
		Nya Doomka	0·24	0·09	0·21	0·11	0·30	0·28	[illegible]	0·03	0·15	0·03	...	[illegible]	0·11	0·08	0·01	0·09	...	0·15	0·07	...
		Deoghur	...	0·05	0·33	[illegible]	0·39	...	0·73	0·22	0·03	0·85	...	0·10	0·11	...	...	...	0·03	0·76	...	...
		Jamtara	...	0·28	[illegible]	0·22	0·29	0·56	2·06	0·20	0·38	...	...	0·71	...	...	...	...	0·05	0·48	...	...
		Mohagama	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nanihat	...	0·64	0·34	0·15	...	0·61	...	...	...	...	0·24	0·64	0·64	...	...	0·86	0·65	...	...	...
CHUTIA NAGPUR.	Hazaribagh	Pachamba (Giridi).	...	...	0·33	0·84	0·32	0·09	0·05	0·11	0·10	0·58	...	0·11	0·35	0·10	...	...	0·77	0·32	0·04	...
		Hazaribagh	...	0·10	0·78	0·21	0·03	0·02	0·63	0·04	...	...	...	0·17	0·21	...	0·02	1·38	1·83	1·12	0·08	...
		Seintagurah	...	0·03	0·38	...	...	...	0·54	...	...	...	...	...	...	...	0·10	0·40	0·70	0·25	...	...
		Mahuda Hills	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jhoomrah Hills	...	1·80	0·50	0·50	0·30	0·90	0·40	...	...	...	0·20	0·10	...	0·30	...	0·40	0·60	0·40	...	...
		Barhi	...	...	0·58	0·82	0·02	...	0·38	0·50	0·55	...	...	1·14	0·39	0·02	...	0·12	0·43	0·33	0·17	...
		Chatra	...	...	0·84	0·43	1·00	...	[illegible]	...	...	...	...	...	...	...	...	...	...	0·12	...	...
		Karagdeha	...	0·27	0·55	0·15	0·25	1·01	0·47	0·22	0·09	0·12	...	0·04	0·27	...	...	0·90	1·65	0·60	0·09	...
		Ramghar	...	...	1·19	1·75	1·00	0·85	...	...	...	...	...	...	...	...	...	1·20	1·95	...	...	...
	Lohardugga.	Lohardugga	0·68	1·25	0·55	2·18	0·06	0·03	...	...	0·35	...	...	...	...	0·91	...	0·39	0·46	·14	...	...
		Ranchi	...	0·38	1·70	0·42	2·12	0·20	[illegible]	0·78	...	...	...	0·10	1·25	...	...	...	1·90	0·98	0·40	...
		Palamow	...	0·81	1·08	0·53	...	0·16	1·23	...	...	0·18	[illegible]	...	[illegible]	0·08	...	2·35	0·03	0·68	...	...
		Silli	0·70	...	1·15	0·70	0·30	0·30	1·00	0·30	0·10	0·50	0·05	...	[illegible]	...	...	[illegible]	...	1·50	...	1·00
		Balumat	0·26	0·70	0·31	1·34	...	0·84	0·14	...	...	...	0·06	...	0·29	...	1·36	0·75	1·29	0·11	...	...
		Hoseinabad	...	...	0·80	...	...	1·40	0·20	...	0·06	...	...	...	...	...	...	0·50	0·90	0·10	...	...
		Garwah	0·60	0·22	0·09	1·14	0·60	0·17	0·90	...	...	...	...	0·12	...	...	...	0·15	1·16	0·68	...	...
	Singbhoom	Chyebassa	0·23	0·08	0·57	0·02	2·50	1·05	0·25	0·04	...	...	...	0·39	0·07	0·30	...	0·02	0·21	0·68	0·43	0·18
		Chakradharpore.	...	...	2·03	...	...	...	0·05	0·50	2·10	1·11	2·03	0·31	0·71	0·10	...	0·90	0·20	...	0·49	...
		Ghatsila	...	...	0·50	...	0·90	1·00	1·40	...	0·65	0·20	...	0·28	...	...	...	...	1·05	0·75	0·32	...
		Baharagura	...	...	0·50	3·50	1·00	2·20	...	...	...	...	0·50	0·40	...	...	...	...	...	...	1·52	0·50
	Manbhoom	Purulia	...	0·47	0·65	0·21	0·20	...	0·45	...	...	...	...	0·27	0·31	...	0·71	...	3·25	0·40	0·21	...
		Gobindpore	0·30	0·06	...	0·43	0·09	0·21	0·22	...	...	0·08	...	0·04	0·14	...	...	...	[illegible]	0·37	0·06	...
		Raghunathpore.	0·15	0·45	1·55	...	0·95	0·30	0·10	0·11	0·25	0·04	...	0·95	...	...	...	...	0·58	0·09	0·20	...
		Barrabhoom	0·40	0·20	...	...	0·90	0·43	0·50	...	...	...	...	0·20	...	1·20	...	...	1·70	0·25	...	...
		Jhalda	...	...	...	...	1·27	...	...	...	...	...	...	2·10	...	...	...	...	0·97	[illegible]	0·35	...
		Chas	...	...	2·00	...	0·10	0·20	0·64	...	...	...	...	1·04	...	...	...	...	2·43	1·38	...	0·13

Bengal for the month of September 1891—*concluded.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th May 1891 to 31st August 1891.	Average rainfall from 16th May to 31st August.	Station.	District.	Meteorological division.
...	...	0.58	0.85	...	...	0.33	...	...	...	5	8.95	2.12	8.01	0.85	43.10	39.24	Tajpore ..	Durbhunga ...	NORTH BEHAR—*concld*
...	...	0.03	0.06	...	0.31	0.40	...	...		8	9.37	3.31	9.58	1.23	36.65	41.98	Durbhunga.		
...	...		0.35	...	0.55	0.03	...	...	...	4	9.21	1.28	10.17	0.35	29.85	41.50	Madhubani.		
...	...	0.40	1.10	0.04	...	0.10	...	...	.	6	?	3.98	?	1.22	31.97	?	*Bahera.*		
...	...	0.15	...	...	0.20	0.50	...	...	..	4	?	0.95	?	0.20	19.23	?	*Roshera.*		
...	...	..	0.06	...	...	0.59	...	...	0.03	5	8.32	2.12	9.76	0.62	45.90	39.48	Sitamarhi	Mozufferpore	
...	...	0.03	0.04		0.04	0.26	...	..	..	3	9.20	0.90	9.97	0.38	25.97	41.33	Mozufferpore.		
..	..	0.25	0.43	0.03	...	0.07	...	...	...	8	9.37	3.55	7.23	0.07	27.92	37.10	Hajipore.		
...	0.68	0.81	...	...	...	...	...	...	...	4	?	2.80	?	1.00	?	?	*Paru.*		
...	...	0.15	0.22	...	...	...	...	...	...	4	?	1.37	?	0.50	44.10	?	*Mahua.*		
...	...	...	...	...	...	...	...	..	...	Nil	?	Nil	?	Nil	25.64	?	*Siuhar.*		
...	...	...	0.05	...	...	0.18	0.10	..	.	3	?	0.91	?	0.65	30.00	?	*Pupri.*		
0.18	...	...	0.18	...	..	0.14	...	...	...	7	8.67	4.16	9.16	2.86	42.13	40.42	Motihari ...	Chumparun.	
...	...	...	...	...	0.06	0.21	.	...	...	4	8.84	2.50	9.41	1.31	28.42	44.12	Bettiah.		
0.21	...	..	...	..	...	0.82	0.09	...	0.12	7	?	5.07	?	2.37	56.08	?	*Bagaha.*		
...	...	0.51	0.6	...	...	1.30	0.01	...	..	4	?	5.70	?	3.12	32.28	?	*Burhurwa.*		
...	...	...	...	...	.	0.09	...	...	.	5	7.7	3.81	6.94	1.85	33.56	37.30	Gopalgunge ..	Sarun.	
...	...	0.29		0.11	0.05	...	...	...	0.16	8	10.10	6.46	8.52	3.70	32.94	38.94	Sewan.		
...	0.19	0.53	0.13	0.23	...	...	...	...	...	7	8.50	2.88	6.90	0.75	22.37	30.07	Chuprah.		
..	..	0.40	0.02	...	0.03	0.10	...	...		9	9.20	5.05	7.19	1.74	18.16	34.09	Buxar ...	Shahabad ...	SOUTH BEHAR.
...	...	0.88	0.09	...	0.10	0.12	...	...	0.05	12	10.38	4.76	7.67	0.88	27.56	37.52	Dehree.		
...	...	0.29	0.08	...	...	...	...	..	...	7	9.65	5.54	6.07	1.94	20.20	36.54	Bhuboosh.		
...	...	0.43	0.07	...	0.16	...	...	...	...	8	9.75	5.27	6.94	1.55	23.71	35.97	Sasseram.		
...	0.40	0.16	...	0.90	0.19	...	...	...	...	10	9.80	6.40	6.87	2.56	26.07	35.93	Arrah.		
											?		?			?	*Mohaniah.*		
..	...	0.48	0.35	..	...	0.20	..	...	.	8	8.95	6.63	7.21	0.80	23.92	38.93	Aurungabad .	Gya	
.	...	.	0.02	...	...	0.32	0.50	...	...	6	9.55	4.24	7.32	1.22	30.40	39.10	Gya.		
...	0.76	0.04		0.15	.	...	...	...	0.03	9	8.65	4.20	6.97	0.97	37.06	30.26	Nowadah.		
...	...	...	0.10	...	0.26	0.20	...	...	..	6	8.00	1.85	5.60	0.81	24.62	36.45	Jehanabad.		
...	...	...	...	...	...	0.40	...	...	..	6	?	4.19	?	2.40	23.48	?	*Arwal.*		
...	...	...	...	...	0.22	0.34	...	...	...	4	?	2.41	?	1.25	14.63	?	*Daudnagar.*		
..	...	0.92	.	...	.	..	...	..	...	6	?	2.75	?	0.92	19.96	?	*Sheerghati.*		
..	...	0.40	...	...	...	0.46	...	...	...	10	?	7.14	?	2.53	41.64	?	*Rajauli.*		
...	...	...	0.56	...	0.12	...	...	...	...	7	?	1.03	?	0.55	24.35	?	*Pakri Barawan.*		
...	...	0.12	0.03	0.25	...	..	...	...	...	7	9.75	3.45	7.09	1.82	28.99	37.69	Patna ..	Patna.	
...	...	0.40	0.04	0.25	.	.	...	...	...	7	9.45	8.20	6.81	5.54	36.76	37.25	Dinapore.		
...	...	...	0.30	0.41	0.10	0.38	...	...	...	7	9.30	4.11	6.53	2.01	36.58	37.59	Behar.		
...	...	.	0.2	...	0.30	0.30	...	...	...	9	8.80	3.40	7.70	0.90	40.03	35.73	Barrh.		
...	...	0.74	...	..	0.83	0.48	...	..	...	7	?	4.04	?	1.04	26.32	?	*Bickram.*		
...	0.04	...	...	...	...	...	...	...	...	4	?	1.94	?	1.20	?	?	*Hilsa.*		
...	...	...	...	...	...	...	...	..	...	3	9.80	1.86	7.27	1.09	29.89	35.08	Begooserai ..	Monghyr.	
...	...	...	0.21	0.44	...	...	...	...	...	9	10.85	3.02	9.01	0.82	30.73	42.24	Monghyr.		
...	...	...	..	...	0.12	...	..	...	...	7	9.65	2.15	7.45	0.65	34.58	39.44	Jamui.		
..	...	...	...	...	...	...	...	...	...	4	?	2.73	?	0.96	40.85	?	*Gogri.*		
.	...	...	...	...	...	...	...	...	...	4	?	1.35	?	0.53	34.60	?	*Sheikpura.*		
...	...	...	0.13	.	0.04	...	...	...	...	8	9.65	3.11	7.60	0.95	39.10	38.21	Bhagulpore .	South Bhagulpore.	
...	0.32	...	0.68	.	0.04	...	...	..	...	8	11.40	6.55	8.23	3.35	44.40	39.48	Banka.		
...	...	0.54	...	...	0.15	.	...	..	...	7	?	3.07	?	1.05	31.59	?	*Kolgong.*		
...	...	...		...	...	0.20	...	..	...	2	?	0.58	?	0.38	29.19	?	*Bongaon.*		
..	...	...	0.35	...	0.14	0.27	...	...	...	8	10.68	3.05	12.24	1.09	35.36	48.34	Rajmehal ...	Sonthal Pergunnahs.	
..	0.47	0.07	0.05	0.11	...	...	...	...	...	8	11.17	5.55	9.55	2.20	38.27	41.42	Godda.		
	0.58	0.11	0.09	0.04	0.37	0.25	0.37	...	..	14	14.05	4.91	12.75	0.81	35.78	50.40	Pakour.		
..	1.19	...	0.08	0.04	0.10	0.57	0.18	...	..	13	13.00	4.33	10.63	1.19	41.65	48.42	Nya Doomka.		
...	0.14	...	..	..	0.32	0.18	...	...	...	11	12.55	4.27	8.73	0.85	34.23	44.79	Deoghur.		
.	1.01	0.26	0.28	0.30	0.22	0.14	0.21	.	...	17	11.12	8.27	7.36	2.06	53.10	44.16	Jamtara.		
											?		?			?	*Mohagama.*		
..	0.25	...	...	...	0.24	...	...	...	...	11	?	5.26	?	0.56		?	*Namhat*		
...	1.38	0.51	0.15	0.15	0.34	...	...	...	...	17	13.40	7.38	8.82	1.38	42.88	43.41	Pachamba .. (*Giridi*).	Hazaribagh ...	CHUTIA NAGPUR.
.	1.60	0.08	0.30	0.03	0.29	0.26	...	...	...	13	12.25	9.24	8.58	1.88	42.78	43.60	Hazaribagh.		
1.25	0.23	0.30	..	0.52	0.60	0.10	...	.	..	13	13.00	5.00	8.17	1.25	30.76	41.09	Semtagurah.		
											11.75		8.88			45.01	Mahudi Hills.		
1.00	0.20	0.80	0.90	0.90	0.20	0.40	...	...	..	19	14.00	10.80	10.92	1.80	40.20	56.15	Jhoomrah Hills		
.	0.49	0.70	0.58	0.03	0.21	0.01	...	...	...	15	?	7.18	?	1.14	36.77	?	*Barhi.*		
...	1.34	...	0.21	...	0.03		...	...	..	7	?	4.77	?	1.34	28.64	?	*Chatra.*		
	0.07	...	0.35	.	0.07	0.20	0.05	...	...	14	?	7.42	?	1.65	41.20	?	*Karagdeha.*		
1.05	...	0.35	0.03	0.37	0.65	...	...	...	..	11	?	12.10	?	1.95	40.28	?	*Kamghar*		
0.32	0.46	0.15	0.17	0.21	...	...	...	...	...	15	14.00	9.19	9.70	2.18	40.45	47.02	Lohardugga .	Lohardugga.	
	0.64	0.23	0.84	0.15	0.36	0.63	...	...	0.15	18	14.50	13.91	9.17	2.12	41.81	47.80	Ranchi.		
...	2.20	0.20	0.09	..	.	...	...	...	0.12	15	11.05	10.60	7.82	2.35	45.15	39.03	Palamow.		
...	0.06	0.40	0.50	1.50	0.75	...	...	0.15	..	18	?	11.70	?	1.50	43.43	?	*Sili.*		
1.16	0.33	0.26	...	0.28	..	...	...	.	.	15	?	9.48	?	1.36	38.07	?	*Balumat.*		
...	0.50	...	...	1.00		...	...	...	...	8	?	5.46	?	1.40		?	*Hoseinabad.*		
..	0.55	0.70	0.36	...	0.22	...	...	...	...	14	?	7.60	?	1.16	37.81	?	*Garwah.*		
...	0.11	1.75	0.21	0.11	1.34	0.10	0.57	0.09	...	18	12.25	11.30	8.32	2.50	45.39	47.14	Chyebassa ..	Singbhoom.	
											?		?	2.03		?	*Chakradharpore.*		
	...	2.70	0.55	1.40	...	0.30	1.65	...	...	15	?	13.74	?	2.70	58.14	?	*Ghatsila.*		
0.32	...	...	...	0.59							?		?	3.50		?	*Baharagura.*		
...	...	0.18	0.15	0.48	0.80	...	...	...	...	15	12.20	2.74	8.13	3.25	47.72	44.85	Purulia ...	Manbhoom.	
...	0.06	0.15	0.13	0.46	0.07	0.36	0.09	...	...	11	11.06	3.89	7.25	0.55	34.29	40.30	Gobindpore.		
...	0.13	0.08	0.48	0.26	0.20	0.61	0.35	...	...	17	?	7.85	?	1.55	48.43	?	*Raghunathpore.*		
...	...	0.60	0.60	0.20	0.15	...	0.15	...	...	14	?	7.47	?	1.70	39.80	?	*Barrabhoom.*		
...	...	0.85	..	1.03	0.58	...	0.65	...	...	8	?	7.89	?	2.10	40.98	?	*Jhalda.*		
...	...	0.09	0.36	...	1.58	0.18	0.45	...	...	12	?	10.92	?	2.42	52.91	?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF SEPTEMBER 1891.

THE most notable peculiarities observable in the weather conditions of September, are :—

1. The numerous shallow depressions which formed during the early part of the month in the north-west angle of the Bay, and moved in a north-westerly direction along the trough of low pressure, which extending from the head of the Bay over part of the Central and North-Western Provinces remained, more or less, distinctly defined till nearly the end of the third week. The influence of these depressions was very limited, and the rainfall caused by them, though generally heavy near the centre, was almost entirely confined to the south-west corner of the province. The wind circulation was distinctly cyclonic but always light.

2. The high temperature which owing to the absence of rainfall has obtained in the northern districts, and the low readings in Orissa, where heavy rainfall occurred during the passage of the depressions.

3. The scanty rainfall in all districts except Orissa and Chutia Nagpur, defect varying from 2·59 inches in South-West Bengal to 8·46 inches in North Bengal.

Meteorology of the month.—At the beginning of the month a centre of low pressure existed off the Orissa coast with north-easterly winds at the Orissa stations, and a steady easterly current elsewhere. During the next two days it gradually filled up, and became merged in the trough of low pressure which was then very distinct lying in a north-westerly direction from the head of the Bay The wind circulation on the 3rd was of ordinary monsoon character. The rain caused by the depression was light, and on the 1st extended over Orissa, South-West Bengal, East and North Bengal, and part of Chutia Nagpur. On the 2nd it was more scattered, but on the 3rd was general over the whole province.

On the 4th the second low-pressure area began to form in the north-west angle of the Bay, and wind directions showed a slight indraught towards a point between Saugor Island and False Point Rain was less general and lighter at inland stations, but on both the 4th and 5th very heavy falls occurred in the north-west of the Bay and the neighbouring parts of South-West Bengal and Orissa. This heavy rainfall caused a deepening in the depression, and on the morning of the 5th a very distinct but small and feeble storm existed near the Sandheads, accompanied by a light cyclonic circulation of winds On the 6th it passed between Balasore and Cuttack in a north-westerly direction, giving heavy rain to Orissa and moderate rain to some parts of South-West Bengal and Chutia Nagpur, but Behar, North Bengal, and a considerable portion of East Bengal were almost rainless. Though the storm was accompanied by very heavy rain when passing over Orissa, and gave fairly heavy rain in the Central and North-West Provinces, yet the monsoon current which flowed over Bengal in its rear, was very feeble and mainly confined to the south-western districts.

Very light monsoon weather prevailed over the whole province till the 11th, when a distinct depression formed to the south-east of Saugor Island, and, as in the case of the previous two, moved to the north-west, passing between Balasore and Chyebassa on the 12th. Heavy rain again fell in Orissa, Cuttack reporting 9·81 inches on the 12th, Kendrapara 6·77 inches, and False Point 4·19 inches. On the 13th the depression, which was filling up and becoming more diffused, lay well to the west, and the light rainfall caused by the feeble inrush of monsoon winds after the passage of the depression was fairly general over Bengal. Light monsoon weather prevailed till the 16th, when westerly winds began at the western stations and, owing to the consequent interaction, heavy rain fell in the western districts and at some of the northern stations on the 16th and 17th. On the 18th a feeble low-pressure area passed over Ganjam, causing further heavy rain in Orissa

Conditions then began to change, pressure rose rapidly in Orissa and along the west coast of the Bay, while it fell rapidly at Rangoon and Moulmein, winds becoming northerly in Lower Burmah. On the morning of the 20th a depression showed in the Gulf of Martaban with its centre south of Rangoon. It then advanced in an almost westerly direction, and though of very slight intensity, its rate of motion was so rapid that by the evening of the 22nd it had crossed the Orissa Coast close to False Point. The lowest pressure registered was 29·436″ at False Point, but though pressure fell rapidly as the centre approached, and steep baric gradients followed, still the wind velocities registered were never more than moderate in amount. Hard squalls were reported at False Point, and generally squally weather at the coast stations. On the morning of the 23rd the depression was well inland, moving in the direction of Raipore in the Central Provinces, and on the 24th the centre was between Seoni and Raipore. Till the 26th the westerly motion continued, after which the depression began to fill up and moved more to the north, and ultimately in a north easterly direction till it was near Allahabad, where it practically disappeared about the end of the month. Throughout the existence of the depression, the wind circulation over Bengal was under its influence, and moderately strong winds blew at some distance from its centre. Rain commenced to fall on the 21st in the southern districts, and on the 23rd or 24th in the north of the province. As the depression approached Behar from the west towards the end of the month, rainfall, which had become very scattered after the 27th, again became general in the northern districts from 1st to 3rd October

Pressure.—In consequence of the formation of the frequent shallow depressions in the first half of the month, pressure changes were very variable. As a depression began to form, slow downward changes prevailed over the whole province, generally followed by a brisk fall on the following day. A brisk to rapid rise then set in, and the cycle was generally completed in three or four days. During the latter half of the month when the small cyclonic

storm was crossing the Bay, pressure in Bengal fell steadily from the 20th to the 23rd and then rose till the 26th, after which irregular small oscillations prevailed till the end of the month.

The low pressure which had existed in the north-west angle of the Bay almost continuously for many weeks, remained during the first half of September, and readings were generally below the normal at inland stations. At the end of the first week defect in mean pressure varied from ·02″ in the northern and eastern districts to ·06″ at some of the coast stations. Some rapid changes occurred during the second week, but means were in almost all cases below the normal, and defect from being practically nil in the north of the province, increased to ·07″ at the head of the Bay. The steady rise which prevailed from the 17th to the 19th brought the distribution above the normal, and for the third week means were in excess by amounts ranging from ·01″ to ·04″. Unimportant changes prevailed till the 20th, when a general fall commenced, and though moderately large changes continued for some days, the means for the latter part of the month were generally only slightly above the normal, excess varying from ·05″ in the north to ·03″ in the south. In Orissa and Assam excess was less than ·02″.

Means for the whole month are very nearly normal in South-West Bengal and Assam, below the normal in Orissa, Chutia Nagpur and the west of Behar by less than ·02″, and above elsewhere by variable amounts ranging up to ·03″.

Temperature.—Owing to the very scanty rainfall in all districts except Orissa and the adjacent parts of South-West Bengal and Chutia Nagpur, temperature has been almost without a break above the normal, while in these districts in the south-west corner of the province readings have been steadily largely below the normal. During the first week the mean for Orissa was almost normal, and about 1·5° above in the rest of Bengal and Assam. During the second week the contrast became stronger, excess in the northern districts increasing to between 2° and 3°, while in Orissa the heavy rainfall lowered the temperature to 1·3° below the normal. Between the 12th and the 19th changes were moderately large, but the means were more normal, the only districts where the difference was greater than ·05° being North and South Behar. From being between 1° and 2° above the normal in Assam during the first half of the month, temperature fell there also, and about the middle of the month was practically normal. During the week ending on the 26th rainfall was again heavy in the south-west corner, and the mean temperature was below the normal in Orissa, Chutia Nagpur, and South-West Bengal. In Behar and North Bengal excess was between 1° and 2°, and in Orissa defect amounted to 1·7°. Till the end of the month there was very little change, as, notwithstanding a slight upward tendency, differences from the normal continued fairly large.

The means for the month are very high in Assam, North Bengal, and Behar, and low in Orissa, while there is a small defect in Chutia Nagpur, and a small excess in South-West and East Bengal.

Rainfall.—As stated above, very heavy rain has fallen in Orissa, and about normal amounts in Chutia Nagpur; but probably owing to the small influence of the numerous depressions in the early part of the month, the monsoon current which has flowed over the eastern and northern districts has been unusually weak. Almost the whole of Orissa has received excessive rainfall, and in the Midnapore district and part of the 24-Pergunnahs, there was excess of between 2 inches and 3 inches. The only stations in Chutia Nagpur where falls were below the normal are all in the Hazaribagh district, except the station of Hazaribagh and Gobindpore in the Manbhoom district. Excess at Cuttack is 20·88 inches, at Kendrapara 14·57 inches, and at Jagatsingpore, Chandbally, and Jellasore more than 10 inches. Over the whole of the rest of the province falls were below the normal, defect increasing towards the north-east. Defect is greater than 8 inches in the greater part of North Bengal and part of North Behar, including Purneah, Bhagulpore, and the northern halves of Durbhunga and Mozufferpore. In the rest of Behar and in South-West and East Bengal defect varies from 3 inches to 8 inches.

The comparison of the actual rainfall of the various large divisions of the province during the month is most accurately shown in the form of a percentage. The figures representing the rainfall for the month calculated in this way, are included in the following table under the heading of September. This table really gives a condensed summary of the rainfall statistics of the present year up to date for each meteorological division, the first nine columns giving the actual average falls in each division for each month expressed as a percentage of the normal, while the tenth column gives the actual rainfall of the first nine months as a percentage of the normal rainfall for that period:—

METEOROLOGICAL DIVISIONS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	Actual rainfall of first nine months of 1891 expressed as a percentage of the normal fall for the period.
Orissa	11	167	424	36	134	28	74	139	180	116
South-West Bengal ...	53	193	308	60	170	61	94	84	71	95
East Bengal ...	2	811	98	130	151	71	100	65	51	88
North Bengal ...	78	377	239	77	140	53	117	46	37	78
North Behar ...	171	283	590	19	172	94	83	65	35	82
South Behar ...	258	159	734	30	165	88	85	83	56	92
Chutia Nagpur ...	163	91	506	30	148	47	97	93	102	99

It will be seen that the percentage for the month of September for North Behar is only 35, for North Bengal 37, East Bengal 51, and South Behar 56. The total rainfall in Chutia Nagpur for the year is practically normal, and in Orissa 15 per cent. in excess The defect is not large in either South Behar or South-West Bengal, but in North Bengal the total fall is 78 per cent., and in North Behar 82 per cent. of the normal.

The actual falls are over 20 inches in the Cuttack district, part of Balasore, and in parts of the Julpigoree Dooars and the Dargeeling Terai, but these heavy falls in North Bengal are very local, and, in fact, in Julpigoree, Cooch Behar, and the Dargeeling Hill districts nearly half the stations have received less than 10 inches. Falls are generally over 15 inches in Orissa, and over 10 inches in Chutia Nagpur, but towards the north and east amounts diminish very rapidly, and it is only in a rather narrow strip of country running from the Sunderbuns in a north-westerly direction that falls are generally between five and ten inches. The only falls over 5 inches in North Behar are in Purneah and Chumparun, and in South Behar at a few scattered stations in Shahabad, Patna, South Bhagulpore, and the Sonthal Pergunnahs. The districts where rain has been most scanty are North Bhagulpore, Durbhunga, and Mozufferpore, falls being frequently less than 3 inches. No rain has been registered during the month at Siuhar, in Mozufferpore, the falls at this station during the two previous months having been 11 inches and 7 inches respectively. The stations in North Bengal which have received less than 3 inches are Pubna, Beauleah, Dinagepore, Baloorghat, Kurigram, and Bagdogra, and more than half the stations have received less than 5 inches. In East and South-West Bengal falls are generally between 5 and 10 inches.

Percentage Table for September 1891.

Division.	District.	Normal district rainfall for September.	Actual district rainfall for September 1891.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (–).
	Pooree	9·98	14·31	143	+ 43
Orissa ...	Cuttack	9·53	21·81	229	+129
	Balasore	11·28	17·45	155	+ 55
	Midnapore	8·85	10·61	120	+ 20
	24-Pergunnahs	9·62	7·40	77	– 23
	Howrah	8·64	6·31	73	– 27
	Hooghly	8·43	8·33	99	– 1
	Burdwan	7·87	3·10	39	– 61
South-West Bengal	Bankoora	8·53	5 29	62	– 38
	Beerbhoom	9·16	4·75	52	– 48
	Nuddea	8·52	3·72	44	– 56
	Khoolna	9·33	5·83	63	– 37
	Jessore	8·43	5·19	62	– 38
	Moorshedabad	9·77	6·33	65	– 35
	Chittagong	14·07	6·12	43	– 57
	Backergunge	11·36	10·08	89	– 11
	Noakholly	16·26	6·81	42	– 58
East Bengal ...	Furreedpore	8·68	5·08	59	– 41
	Dacca	10·05	5·64	56	– 44
	Tipperah	11·58	5·82	50	– 50
	Mymensingh	12·94	4·52	35	– 65
	Pubna	10·27	3·30	32	– 68
	Bogra	10·70	4·08	38	– 62
	Rajshahye	11·26	3·11	28	– 72
	Maldah	10·52	4·62	44	– 56
North Bengal ...	Dinagepore	11·17	4·21	38	– 62
	Rungpore	13·00	3·48	27	– 73
	Cooch Behar	21·95	9·74	44	– 56
	Julpigoree	23·93	7·45	31	– 69
	Darjeeling	17·66	5·74	33	– 67
	Purneah	13·53	5·83	43	– 57
	North Bhagulpore	9·76	2·35	24	– 76
	Durbhunga	9·25	2·19	24	– 76
North Behar ...	Mozufferpore	8·27	2·01	24	– 76
	Chumparun	9·05	3·21	35	– 65
	Sarun	7·68	4·31	56	– 44
	Shahabad	7·29	5·55	76	– 24
	Gya	6·90	3·53	51	– 49
	Patna	7·20	4·17	58	– 42
South Behar ...	Monghyr	7·75	2·54	33	– 67
	South Bhagulpore	7·98	5·09	64	– 36
	Sonthal Pergunnahs	8·06	5·12	64	– 36
	Hazaribagh	8·10	7·95	98	– 2
	Lohardugga	8·94	9·95	111	+ 11
Chutia Nagpur ...	Singbhoom	8·38	11·30	135	+ 35
	Manbhoom	7·68	7·77	101	+ 1

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of September 1891:—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 16th May 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	92·4	73·6	86·9	77·9	82·4	—1·0	18·45	10·25	+8·20	18·73	12·52	+6·21	50·20	45·13
South-West Bengal	94·3	74·1	88·6	78·1	83·4	+0·1	6·45	9·04	—2·59	12·70	11·94	+0·76	41·64	46·53
East Bengal	93·3	73·8	88·2	77·3	82·8	+0·3	6·10	12·08	—5·98	11·90	13·46	—1·56	55·21	67·03
North Bengal	95·6	73·2	89·7	78·0	83·9	+1·3	4·96	13·42	—8·46	8·08	12·27	—4·19	45·36	64·21
North Behar	96·2	73·7	91·3	78·3	84·8	+1·4	3·43	9·85	—6·42	6·19	9·64	—3·45	33·91	44·28
South Behar	98·4	73·3	90·5	78·3	84·4	+1·0	4·50	7·98	—3·48	8·80	10·21	—1·41	33·45	39·66
Chutia Nagpur	88·7*	67·4*	83·0*	71·7*	77·4*	—0·3*	8·92	8·71	+0·21	15·18	12·67	+2·51	41·94	45·03
Assam	99·6	74·0	89·9	77·3	83·6	+1·2								

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 20*th October* 1891.

C. LITTLE,
for Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 9 A.M., temperature.
Orissa.	Pooree	Pooree ...	29·940	29·880	—	N	182	91·2	14th Oct.	74·1	17th Oct.	88·6	76·1	82·4	—	79·5
		Gopalpore ..	29·947	29·908	+·076	NNW	195	88·7	15th ,,	72·3	17th ,,	86·2	73·8	79·9	—1·9	78·9
		False Point ...	29·944	29·907	+·067	NNW	122	90·5	14th ,,	69·1	17th ,,	88·8	72·5	80·7	—0·8	79 7
	Cuttack	Cuttack ...	29·801	29·915	+·080	NW	35	91·9	15th ,,	69·8	17th ,,	89·2	73·6	81·4	—1·1	79 6
	Balasore	Balasore ...	29·905	29·908	+·065	NNW	74	90·4	14th ,,	67·8	17th ,,	88·4	71·8	80·1	—0·7	77·1
South West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·935	29·904	+·063	NNE	178	90·2	11, 12, 13, & 15 ,,	70·5	17th ,,	89·4	73·6	81·5	—0·6	80·3
	Midnapore	Midnapore ...	29 816	29·912	+·060	N	255	90·3	13th ,,	69 2	16, 17 ,,	88·9	72·9	80·9	0	80 1
	24-Pergunnahs, Howrah, Hooghly	Calcutta ...	29·945	29·912	+·063	Nly	65	88 6	13, 14 ,,	69·7	16th ,,	87·7	73 2	80·4	—0 9	79 9
	Burdwan	Burdwan ...	29 879	29·926	+·060	N	33	90·6	13th ,,	70·4	17th ,,	89·7	74·8	82·3	—0·2	79·8
	Bankoora	Bankoora ..	29·641	29·805	+·042	Variable	38	96 1	13th ,,	68·6	16th ,,	88·2	73·3	80·8	—1·2	77 8
	Beerbhoom, West Burdwan	Raneegunge ..	29·648	29·948	+ 079	Nly	45	90·0	13th ,,	67·5	16th ,,	88 4	72 1	80·3	—1·4	77·3
	Moorshedabad	Berhampore ..	29 904	29 920	+·058	NEly	37	89·6	11, 12 ,,	71 8	16th ,,	88·0	73·9	81·0	—0·9	78·2
	Nuddea	Krishnaghur	29·914	29 910	+·064	ENE	69	91·3	12th ,,	69·2	16, 17 ,,	89·9	71·8	80·8	—0·5	80·0
	Jessore, Khoolna	Jessore ..	29·930	29 910	+·054	NNE	52	90·7	13th ,,	70·0	16th ,,	89 2	73·2	81·2	—1·4	79·9
East Bengal.	Chittagong	Chittagong ...	29·861	29·897	+·030	NE	25	90·3	13th ,,	67·1	15, 16 ,,	89·1	70·5	79·9	—1·1	78 7
	Chittagong Hill Tracts	Demagiri ...						Observations not received.								
	Backergunge	Barrisal ...	29·941	29·898	+·057	NE	72	89·8	12, 13 Oct.	69·4	17th Oct.	88·4	72·0	80·2	—0·8	81·3
	Noakhally...	Noakholly ...	29·918	29·908	+·071	NE	94	89·0	12th ,,	66 9	17th ,,	87·8	69·8	78·8	—1 9	78·4
	Furreedpore	Furreedpore ...	29·933	29 920	+·058	Calm & NE	45	87·5	13th ,,	67·4	17th ,,	86·1	72·4	79·3	—1·4	78·9
	Dacca	Dacca ...	29 933	29·903	+·049	NNE	96	89·6	12th ,,	69·2	17th ,,	88 4	71 1	79·7	—2·6	79 2
	Commillah	Commillah ...	29·927	29·910	+·062	N	22	89·4	11, 14 ,,	67·3	17th ,,	88·8	69 9	79·3	—2·4	78 1
	Mymensingh	Mymensingh	29 905	29·915	+·063	Nly	63	88·2	13th ,,	66·6	16th ,,	86 8	69·1	78·0	—3 1	76·6
North Bengal.	Bogra	Bogra ...	29 885	29·809	+·056	NE	42	89·3	12th ,,	65·7	16th ,,	87·7	68·8	78 2	—2·6	78 1
	Pubna	Serajgunge ...	29·915	29·911	+·050	NNE	28	88 2	15th ,,	65·8	17th ,,	86·7	69·2	78·0	—3·0	77·7
	Rajshahye	Rampore Beauleah.	29·892	29·912	+·069	NNE	38	88·3	11, 13 ,,	68 7	16th ,,	87·3	71·1	79·2	—0·6	78·5
	Maldah	Maldah ...	29·892	29·925	—	Wly	73	89·8	13th ,,	67·3	14th ,,	88·9	68·7	78·8	—	78 0
	Dinagepore	Dinagepore ...	29·848	29·921	+·044	NW	40	90·1	12th ,,	63·3	14th ,,	86·2	66·6	77·4	—3·4	76·7
	Rungpore	Rungpore ...	29·858	29·937	+·050	Variable	37	88·3	11, 13 ,,	64·7	14th ,,	87·4	67·0	77·2	—3·3	75 7
	Julpigoree, Cooch Behar	Julpigoree	29·683	29·926	+·045	NE	48	86·9	13, 14 ,,	63 1	11th ,,	86 1	65·6	75·9	—2·8	74 1
	Darjeeling Hill Tracts...	Darjeeling ...	23 075	—	+·010	Calm & NE	82	62·1	12th ,,	45·2	15th ,,	60·6*	48·3	54 6*	—1·	54 3
North Behar.	Purneah, North Bhagulpore	Purneah ...	29·853	29·935	+·068	Calm	17	88 7	13th ,,	62·8	14th ,,	87·4	65·9	76·7	—3·7	73·7
	Mozufferpore	Mozufferpore	29·783	29·916	—	Calm	45	89·3	17th ,,	66·3	11, 13 ,,	87 9	67·3	77 6	—	76·6
	Durbhunga	Durbhunga ...	29·827	29·950	+ 073	Calm	27	89·0	12,16,17 ,,	66·5	11th ,,	88·1	68 1	78 1	—2·5	76 8
	Chumparun	Motihari ...	29·743	29 929	+·074	WNW	74	90·2	17th ,,	62·8	12th ,,	88 3	65·2	76·8	—1·8	75·6
	Sarun	Chupra ...	29·796	29·933	+·088	Variable	46	91·3	17th ,,	67·6	11th ,,	89·7	69·5	79·6	—0·1	78 6
South Behar.	Shahabad	Dehree ...	29·620	29·939	+·067	SW	20	91·3	17th ,,	66·0	11th ,,	89·4	68·1	78·8	—0·8	78·1
		Buxar .	29·743	29·941	+·074	WNW	60	90·4	16, 17 ,,	67·8	11, 15 ,,	89·3	69·6	79·4	—1·3	77·9
		Arrah ..	29·789	29·930	+·080	Variable	9	90·4	17th ,,	66·7	11th ,,	89 5	68·1	78·8	—1·1	76·8
	Gya	Gya ...	29·610	29 945	+·185	S	114	91·4	17th ,,	66 7	14th ,,	89·8	69 3	79·6	—1·3	77·3
	Patna	Bankipore ...	29 768	29·935	+·065	Sly	41	90·9	17th ,,	68·7	13th ,,	88·7	70·0	79·4	—2·2	79·5
	South Bhagulpore, Monghyr	Bhagulpore ..	29·810	29·925	+·076	Calm	7	89·8	17th ,,	66·5	14th ,,	88·9	69·5	79 2	—0·8	79·2
	Sonthal Pergunnahs ..	Doomka ...	29·475	29·926	+·075	NW	41	88·6	12th ,,	65·4	16th ,,	88·1	70·2	79·1	—0·8	79·9
Chutia Nagpur.	Hazaribagh	Hazaribagh ..	[illegible]7 958	29·925	+·962	NW	105	84 7	12, 17 ,,	63·3	17th ,,	83·5	65·9	74·7	—1·1	75·0
	Lohardugga, Manbhoom	Ranchee .	27·831	29·916	+·060	Calm & Nly	68	83·0	13th ,,	60·4	15th ,,	81·8	65·3	73·5	—1·7	74·0
	Singbhoom	Chyebassa ..	29·263	29·923	+·079	Ely	26	89·4	14th ,,	64·9	16th ,,	87·9	69·5	78·7	—1·2	75·3
Assam.	Sibsagar	Sibsagar .	29·636	29·932	+·017	NE		88·6	11th ,,	68·4	17th ,,	86·5	69·6	78·1	—1·1	70·8
	Goalpara	Dhubri ...	29·861	29·934	+·049	N	72	88·2	11th ,,	67·9	14th ,,	85·5	69·5	77·5	—2·4	73·1
	Cachar	Silchar ...	29·852	29·909	+·040	Calm		92·0	11th ,,	71·3	16, 17 ,,	91·4	71·9	81·7	+0·6	78·3

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 17th of October 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District Observations. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
86	1·4	0·62		1·57		4·45			0·23			1·69	Pooree ...	Pooree	Orissa.
85	1·0	0·93											Gopalpore ...		
83	1·4	Nil											False Point ...		
75	1·1	1·88		0·93		2·96			0·18			1·26	Cuttack ...	Cuttack	
84	0·8	1·03		1·01		3·23			0·08			1·16	Balasore ...	Balasore	
80	1·6	Nil	Nil	1·89	0·02	3·96	-3·94	Nil	0·13	−0·12	0·00	1·43	Saugor Island ...	South-West Midnapore South 24 Pergunnahs	South West Bengal.
78	2·0	Nil	Nil	1·10	0·26	2·59	−2·33	Nil	0·11	−0·11	0·00	0·87	Midnapore ...	Midnapore	
75	0·8	Nil	Nil	1·07	0·05	2·63	−2·58	Nil	0·08	−0·08	0·00	1·00	Calcutta ...	24-Pergunnahs ... Howrah ... .. Hooghly	
68	1·4	Nil	Nil	1·09	0·35	2·54	−2·19	Nil	0·12	−0·12	0·00	0·95	Burdwan ...	Burdwan	
78	2·7	0·90	0·73	0·92	1·11	2·09	−0·98	Nil	0·08	−0·08	0·75	1·02	Bankoora ...	Bankoora	
82*	1·7	0·75	0·18	1·00	1·32	2·46	−1·14	Nil	0·10	−0·10	0·25	0·94	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
76	1·1	Nil	Nil	1·66	1·60	3·30	−1·70	Nil	0·13	−0·13	0·00	1·07	Berhampore ...	Moorshedabad ...	
71	1·0	Nil	Nil	1·17	0·66	2·74	−2·08	Nil	0·13	−0·13	0·00	0·96	Krishnagur ..	Nuddea	
78	0·1	Nil	Nil	1·18	0·68	2·65	−1·97	Nil	0·12	−0·12	0·00	1·08	Jessore ...	Jessore ... ... Khoolna	
81	0·4	Nil	0·08	0·80	1·21	3·87	−2·66	Nil	0·10	−0·10	0·00	1·28	Chittagong ...	Chittagong	East Bengal.
				0·00		4·01			0·14		0·00	1·60	Demagiri ...	Chittagong Hill Tracts	
71	0	Nil	Nil	1·30	0·65	3·37	−2·72	Nil	0·06	−0·06	0·00	1·30	Barrisal ...	Backergunge	
80	0	Nil	Nil	1·40	1·54	4·18	−2·64	Nil	0·20	−0·20	0·00	1·40	Noakhally ...	Noakhally	
80	0·1	Nil	Nil	1·30	0·91	3·09	−2·18	Nil	0·19	−0·19	0·00	1·15	Furreedpore ...	Furreedpore	
72	0·6	Nil	Nil	1·13	0·73	2·75	−2·02	Nil	0·11	−0·11	0·00	1·13	Dacca ...	Dacca	
79	0·4	Nil	Nil	1·22	0·62	3·41	−2·79	Nil	0·21	−0·21	0·00	1·34	Mymensingh ...	Mymensingh	
80	0·4	Nil	Nil	1·45	2·43	3·61	−1·18	Nil	0·15	−0·15	0·00	1·28	Bogra ...	Bogra	North Bengal.
72	0	Nil	Nil	1·54	1·77	3·40	−1·63	Nil	0·25	−0·25	0·00	1·04	Serajgunge ...	Pubna	
79	0·1	Nil	Nil	1·31	2·27	3·13	−0·86	Nil	0·28	−0·28	0·00	1·08	Rampore Beauleah	Rajshahye	
77	0·4	Nil	Nil	1·07	1·41	2·71	−1·30	Nil	0·03	−0·03	0·00	0·80	Maldah ...	Maldah	
71	0·	Nil	Nil	0·56	0·99	2·43	−1·44	Nil	0·04	−0·04	0·00	0·78	Dinagepore ...	Dinagepore	
74	1·4	Nil	Nil	0·94	1·11	2·39	−1·28	Nil	0·01	−0·01	0·00	0·78	Rungpore ...	Rungpore	
82	0·1	Nil	Nil	1·27	4·63	2·96	+1·67	Nil	0·02	−0·02	0·00	0·74	Julpigoree ...	Julpigoree ... ... Cooch Behar	
81	0	Nil	Nil	1·17	1·50	3·24	−1·74	Nil	0·10	−0·10	0·00	0·80			
94	1·4	Nil	Nil	0·95	1·48	3·44	−1·96	Nil	0·07	−0·07	0·00	1·08	Darjeeling ...	Darjeeling Hill Tracts	
81	0·3	Nil	Nil	0·61	1·02	2·14	−1·12	Nil	0·02	−0·02	0·00	0·50	Purneah ...	Purneah .. ... North Bhagulpore ...	North Behar.
80	1·6	Nil	Nil	0·37	1·03	2·34	−1·31	Nil	0·03	−0·03	0·00	0·54	Mozufferpore ...	Mozufferpore	
76	0	Nil	Nil	0·32	0·93	1·98	−1·05	Nil	0·02	−0·02	0·00	0·47	Durbhunga ...	Durbhunga	
80	1·1	Nil	Nil	0·30	3·69	2·56	+1·13	Nil	Nil	0	0·00	0·22	Motihari	Chumparun	
76	0·0	Nil	Nil	0·30	0·96	2·28	−1·32	Nil	0·02	−0·02	0·00	0·45	Chupra ...	Sarun	
69	0	Nil											Dehree ...		South Behar.
71	0·7	Nil	Nil	0·47	0·79	2·08	−1·29	Nil	0·07	− ·07	0·00	0·55	Buxar ...	Shahabad	
77	1·4	Nil											Arrah ...		
69	4·3	Nil	Nil	0·42	0·94	2·05	−1·11	Nil	0·01	−0·01	0·00	0·55	Gya ...	Gya	
64	0·3	Nil	Nil	0·42	0·83	2·12	−1·29	Nil	0·05	−0·05	0·00	0·59	Bankipore ...	Patna	
78	1·4	Nil	0·01	0·46	1·48	1·98	−0·50	Nil	0·06	−0·06	0·00	0·62	Bhagulpore ...	South Bhagulpore ... Monghyr	
62	0	Nil	0·22	0·85	2·64	2·47	+0·17	Nil	0·10	−0·10	0·17	0·80	Doomka ...	Sonthal Pergunnahs .	
58	1·1	Nil	0·02	0·56	0·51	2·03	−1·52	Nil	0·01	−0·01	0·00	0·82	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
6	3·6	0·03	0·01	0·37 0·57	0·14	1·83 2·00	−1·92	Nil	0·07 0·04	−0·03	0·00	0·83 0·87	Ranchi ...	Lohardugga ... .. Manbhoom	
81	2·0	0·19	0·16	0·43	1·26	1·48	−0·22	Nil	0·01	−0·01	1·00	0·85	Chyebassa ...	Singbhoom	
99	8·7	Nil											Sibsagur		Assam.
83	1·0	Nil											Dhubri	Assam	
87	4·1	Nil											Silchar		

years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
noting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 17th of October 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 11th Oct.	Rainfall. Monday, 12th Oct.	Rainfall. Tuesday, 13th Oct.	Rainfall. Wednesday, 14th Oct.	Rainfall. Thursday, 15th Oct.	Rainfall. Friday, 16th Oct.	Rainfall. Saturday, 17th Oct.	Total— Number of rainy days.	Total— Rainfall of week.	Total— Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA ...	Pooree ...	Pooree ...	...	...	0·90	...	...	...	...	1	0·90	1·63	1·00	4·46	Nil	0·42
		Khurdah ...	...	...	...	4·26						1·50		3·73		0·04
		Banpur ...	...	...	...	0·05						1·08		3·51		0·37
		False Point ...	...	...	...	...	...	...	...	Nil	Nil	2·08	0·04	6·11	Nil	0·09
		Gop ..										?		?		?
		Satpara ...	0·10	...	...	...	...	...	...	1	0·10	?		?		?
		Pipli .										?		?		?
	Cuttack ...	Jagatsingpore										1·29		3·66		0·39
		Banki ..	...	...	...	...	0·75	...	...	1	0·75	0·90		2·62		0·29
		Cuttack ...	...	...	...	...	1·75	...	...	1	1·75	0·70	1·83	2·40	Nil	0·04
		Kendrapara ...	0·01	0·01	0·10	...	...	...	...	1	0·12	1·11	0·12	3·31	Nil	0·09
		Jajpore ...	...	...	...	...	0·61	...	...	1	0·61	0·57	1·13	2·79	Nil	0·06
		Dharmsala ..	...	0·24	...	2·55	...	...	...	2	2·79	?	3·14	?	Nil	?
		Salipore	...	...	...	...	1·83	...	...	1	1·83	?		?		?
	Balasore ..	*Akhoyapada* .					0·56					?		?		?
		Chandbali ...										1·11		4·32		0·21
		Bhuddruck ..	...	...	...	...	0·58					0·88		2·45		0·05
		Sorah ...	...	...	0·20	0·40	...	...	...	2	0·60	0·73	1·50	3·05	Nil	0·02
		Balasore ..	...	...	...	...	0·62					1·07		3·69		0·04
		Jellasore ..										1·21		3·47		0·03
		Baripodah ..										1·07		2·35		0·16
SOUTH-WEST BENGAL.	Midnapore ..	Contai .	...	...	...	...	...	...	...	Nil	Nil	1·93	Nil	4·00	Nil	0·08
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	2·56	0·06	5·18	Nil	0·18
		Tumlook ..	...	...	...	...	...	...	...	Nil	Nil	1·20	Nil	2·28	Nil	0·04
		Midnapore ..	...	...	...	...	...	...	...	Nil	Nil	1·30	0·48	2·78	Nil	0·15
		Ghattal ..	...	...	...	...	...	...	...	Nil	Nil	0·75	0·31	2·72	Nil	0·14
		Kukrahaty ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Garbetta ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	24-Pergunnahs	Diamond Harbour ..	...	...	...	...	...	...	...	Nil	Nil	1·18	Nil	2·70	Nil	0·09
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	?	0·92	?	Nil	?
		Alipore Jail ..	...	...	...	...	...	...	...	Nil	Nil	1·00	0·06	2·52	Nil	0·09
		Barrackpore ...	...	...	...	...	...	...	...	Nil	Nil	0·88	0·12	2·32	Nil	0·10
		Dum-Dum ...	...	...	...	...	...	...	...	Nil	Nil	1·18	0·10	2·60	Nil	0·09
		Baraset ..	...	...	...	...	...	...	...	Nil	Nil	1·33	0·10	2·91	Nil	0·11
		Busseerhat ...	...	...	...	...	...	...	...	Nil	Nil	1·30	Nil	2·92	Nil	0·04
	Howrah ..	Howrah	...	...	...	...	...	...	...	Nil	Nil	0·98	0·06	2·49	Nil	0·04
		Mohesreka ..	...	...	...	...	...	...	...	Nil	Nil	0·85	Nil	2·32	Nil	0·04
		Oolubaria .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Hooghly ...	Serampore ..	...	...	...	...	...	...	...	Nil	Nil	1·13	Nil	2·65	Nil	0·06
		Hooghly ..	...	...	...	...	...	...	...	Nil	Nil	0·92	Nil	2·4	Nil	0·20
		Jehanabad .	...	...	...	...	...	...	...	Nil	Nil	1·13	0·02	3·05	Nil	0·06
	Burdwan ..	Culna ..	...	...	...	...	...	...	...	Nil	Nil	0·92	Nil	3·53	Nil	0·12
		Burdwan ...	...	...	...	...	...	...	...	Nil	Nil	1·21	0·45	2·62	Nil	0·14
		Cutwa ..	...	...	...	...	...	...	...	Nil	Nil	1·15	0·60	2·40	Nil	0·10
		Raneegunge .	...	...	0·72	...	...	...	...	1	0·72	0·90	1·57	2·13	Nil	0·03
		Mankur ...	...	...	...	...	...	...	...	Nil	Nil	?	0·25	?	Nil	?
	Bankoora ...	Bankoora ..	...	...	0·90	...	...	...	...	1	0·90	1·06	1·14	2·45	Nil	0·04
		Bishenpore ...	...	...	...	...	...	...	...	Nil	Nil	0·68	Nil	1·47	Nil	0·14
		Maliara ...	...	...	0·04	...	...	...	...	Nil	0·04	1·29	0·37	2·24	Nil	0·09
		Khatra ...	...	...	...	0·40	1·59	...	...	2	1·99	0·63	2·93	2·14	Nil	0·03
		Indas ..	...	...	...	...	...	...	...	Nil	Nil	?	1·90	?	Nil	?
		Kotalpore ..	...	...	...	...	...	...	...	Nil	Nil	?	1·04	?	Nil	?
		Anda ..	...	...	...	...	...	...	...	Nil	Nil	?	0·11	?	Nil	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Raipore ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sonamukhi ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Beerbhoom	Bh. Soory	...	...	...	...	...	...	...	Nil	Nil	1·00	1·00	2·43	Nil	0·15
		Hetampore ..	...	...	...	...	...	...	...	Nil	Nil	0·88	0·06	2·19	Nil	0·12
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	1·58	2·73	3·05	Nil	0·10
		Bolpore .	...	...	...	...	...	...	...	Nil	Nil	?	1·20	?	Nil	?
		Murarai ..	...	...	...	...	...	...	...	Nil	Nil	?	0·91	?	Nil	?
	Nuddea ..	Ranaghat .	...	...	...	...	...	...	...	Nil	Nil	0·64	0·28	2·26	Nil	0·08
		Kishnaghur ...	...	...	...	...	...	...	...	Nil	Nil	0·93	1·11	3·02	Nil	3·11
		Chooadanga ..	...	...	...	...	...	...	...	Nil	Nil	1·20	0·90	2·82	Nil	0·27
		Meherpore ...	...	...	...	...	...	...	...	Nil	Nil	1·14	0·55	2·26	Nil	0·14
		Kooshtea	...	...	...	...	...	...	...	Nil	Nil	1·92	0·50	3·22	Nil	0·09
	Khoolna ..	Satkhira .	...	...	...	...	...	...	...	Nil	Nil	1·18	0·31	2·90	Nil	0·07
		Bagirhat ..	...	...	...	...	...	...	...	Nil	Nil	2·01	0·50	3·52	Nil	0·08
		Khoolna ..	...	...	...	...	...	...	...	Nil	Nil	1·08	0·10	2·26	Nil	0·05
		Nakipur ...	...	...	...	...	...	...	...	Nil	Nil	?	0·23	?	Nil	?
		Rampal .	...	...	...	...	...	...	...	Nil	Nil	?	0·70	?	Nil	?
	Jessore ...	Narail ..	...	...	...	...	...	...	...	Nil	Nil	0·67	0·02	1·57	Nil	0·15
		Jessore ...	...	...	...	...	...	...	...	Nil	Nil	1·12	0·04	2·47	Nil	0·15
		Jhenidah ..	...	...	...	...	...	...	...	Nil	Nil	1·35	1·50	3·04	Nil	0·16
		Magoorah ...	...	...	...	...	...	...	...	Nil	Nil	0·85	2·50	2·43	Nil	0·19
		Bongong ...	...	...	...	...	...	...	...	Nil	Nil	1·20	0·40	2·75	Nil	0·16
	Moorshedabad	Kandi ...	...	...	...	...	...	...	...	Nil	Nil	1·19	2·05	2·82	Nil	0·14
		Berhampore ...	...	...	...	...	...	...	...	Nil	Nil	1·75	0·56	3·35	Nil	0·11
		Lalbagh ...	...	...	...	...	...	...	...	Nil	Nil	1·30	0·74	3·67	Nil	0·22
		Azimgunge ...	...	...	...	...	...	...	...	Nil	Nil	1·61	1·38	3·83	Nil	0·11
		Jungipore ...	...	...	...	...	...	...	...	Nil	Nil	1·51	2·71	2·85	Nil	0·18
		Lalgola ...	...	...	...	...	...	...	...	Nil	Nil	2·01	2·10	3·50	Nil	0·08
		Akarigunj ...	...	...	...	...	...	...	...	Nil	Nil	?	0·20	?	Nil	?
		Patkabari ...	...	...	...	...	...	...	...	Nil	Nil	?	0·45	?	Nil	?
EAST BENGAL.	Chittagong	Cox's Bazar ...	...	...	...	...	...	...	...	Nil	Nil	0·99	0·74	4·10	Nil	0·10
		Chittagong ...	...	0·05	...	...	...	...	...	Nil	0·05	0·62	1·68	3·06	Nil	0·09
		Kutubdia ...	...	...	...	...	...	...	...	Nil	Nil	?		?	Nil	?
		Satkanya ...	0·15	0·09	...	...	...	...	...	1	0·24	?		?	Nil	?
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	...	...	...	Nil	Nil	0·99	0·85	3·91	Nil	0·14
		Bundarban ...	...	0·33	...	...	...	...	...	1	0·33	?	1·59	?	Nil	?
	Backergunge	Patuakhally...	...	...	...	...	...	...	...	Nil	Nil	1·65	1·27	3·74	Nil	0·01
		Perozepore ...	...	...	...	...	...	...	...	Nil	Nil	1·39	0·49	3·62	Nil	0·05
		Burrisal ...	...	...	...	...	...	...	...	Nil	Nil	1·05	0·64	2·88	Nil	0·03
		Bhola ...	...	...	...	...	...	...	...	Nil	Nil	1·12	0·20	3·24	Nil	0·15

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 17th of October 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 11th Oct.	Monday, 12th Oct.	Tuesday, 13th Oct.	Wednesday, 14th Oct.	Thursday, 15th Oct.	Friday, 16th Oct.	Saturday, 17th Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
East Bengal—concld.		*Gournaddi* ...	......	......	......	......	......	......	......	Nil	Nil	?	0·11	?	Nil	?
		Bauphal ...	......	......	......	......	......	......	......	Nil	Nil	?	1·79	?	Nil	?
	Noakholly ...	Noakholly .	......	......	......	......	......	......	......	Nil	Nil	1·50	1·27	4·45	Nil	0·10
		Fenny .	......	......	......	......	......	......	......	Nil	Nil	1·47	1·80	3·89	Nil	0·30
		Harishpore ...	......	......	......	......	......	......	......	Nil	Nil	?	4·65	?	Nil	?
		Ramganj ...	......	......	......	......	......	......	......	Nil	Nil	?	3·88	?	Nil	?
	Furreedpore	Madaripore ..	......	......	......	......	......	......	......	Nil	Nil	1·20	0·43	3·04	Nil	0·11
		Furreedpore..	......	......	......	......	......	......	......	Nil	Nil	1·46	1·82	2·88	Nil	0·12
		Goalundo .	......	......	......	......	......	......	......	Nil	Nil	1·24	0·47	3·35	Nil	0·34
	Dacca ...	Munshigunge	......	......	......	......	......	......	......	Nil	Nil	1·51	0·33	3·53	Nil	0·21
		Dacca .	......	......	......	......	......	......	......	Nil	Nil	0·80	0·18	2·50	Nil	0·02
		Naraingunge	......	......	......	......	......	......	......	Nil	Nil	0·69	1·46	2·28	Nil	Nil
		Manickgunge	......	......	......	......	......	......	......	Nil	Nil	1·44	0·04	2·74	Nil	0·21
		Joydebpore ..	......	......	......	......	......	......	......	Nil	Nil	?	5·21	?	Nil	?
	Hill Tipperah	Agartola ...	......	......	......	......	......	......	......	Nil	Nil	1·42	Nil	3·44	Nil	0·64
	Tipperah ...	Comilla ...	......	......	......	......	......	......	......	Nil	Nil	0·80	0·44	3·04	Nil	0·08
		Chandpore ..	......	......	......	......	......	......	......	Nil	Nil	1·60	Nil	3·91	Nil	0·04
		Brahmunberia	......	......	......	......	......	......	......	Nil	Nil	1·04	1·75	3·20	Nil	0·09
		Ramchandrapore ...	......	......	......	......	......	......	......	Nil	Nil	?	2·42	?	Nil	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	1·30	?	Nil	?
		Daudkandi ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Kasba ...	......	......	......	......	......	......	......	Nil	Nil	?	0·54	?	Nil	?
		Laksham ..	......	......	......	......	......	......	......	Nil	Nil	?	1·70	?	Nil	?
	Mymensingh..	Kishoregunge	......	......	......	......	......	......	......	Nil	Nil	1·04	3·49	3·42	Nil	0·18
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	1·80	0·41	3·56	Nil	0·32
		Mymensingh	......	......	......	......	......	......	......	Nil	Nil	1·38	3·30	3·81	Nil	0·04
		Jamalpore .	......	......	......	......	......	......	......	Nil	Nil	1·72	1·19	3·40	Nil	0·13
		Netrokona ...	......	......	......	......	......	......	......	Nil	Nil	1·09	3·76	3·72	Nil	0·09
		Subornakhally	......	......	......	......	......	......	......	Nil	Nil	?	1·10	?	Nil	?
		Durgapore ...	......	......	......	......	......	......	......	Nil	Nil	?	4·67	?	Nil	?
		Sherepore Town	......	......	......	......	......	......	......	Nil	Nil	?	1·28	?	Nil	?
		Dewanganj .	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
North Bengal.	Pubna ...	Pubna ...	......	......	......	......	......	......	......	Nil	Nil	1·52	1·03	3·06	Nil	0·36
		Serajgunge ..	......	......	......	......	......	......	......	Nil	Nil	1·50	3·40	3·10	Nil	0·20
	Bogra ...	Sherepore ...	......	......	......	......	......	......	......	Nil	Nil	1·64	1·80	3·39	Nil	0·31
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	1·86	1·95	3·15	Nil	0·32
		Bogra ...	......	......	......	......	......	......	......	Nil	Nil	1·20	1·00	2·71	Nil	0·21
		Panchbibi ..	......	......	......	......	......	......	......	Nil	Nil	1·38	2·31	3·41	Nil	0·17
	Rajshahye ...	Beauleah ...	......	......	......	......	......	......	......	Nil	Nil	1·59	2·07	3·36	Nil	0·07
		Nattore ..	......	......	......	......	......	......	......	Nil	Nil	1·31	1·70	3·20	Nil	0·02
		Naogaon ...	......	......	......	......	......	......	......	Nil	Nil	0·39	0·45	1·58	Nil	Nil
		Lalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	1·29	?	Nil	?
		Manda ...	......	......	......	......	......	......	......	Nil	Nil	?	0·93	?	Nil	?
	Maldah ...	Maldah ...	......	......	......	......	......	......	......	Nil	Nil	0·67	1·16	2·92	Nil	0·03
		Chanchal ...	......	......	......	......	......	......	......	Nil	Nil	0·45	0·82	1·93	Nil	0·05
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	?	2·42	?	Nil	?
		Sibganj ...	......	......	......	......	......	......	......	Nil	Nil	?	2·57	?	Nil	?
	Dinagepore ..	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	0·91	0·97	2·53	Nil	0·04
		Churamon ..	......	......	......	......	......	......	......	Nil	Nil	0·73	1·44	1·81	Nil	Nil
		Raigunge ...	......	......	......	......	......	......	......	Nil	Nil	0·95	0·60	2·46	Nil	0·01
		Dinagepore .	......	......	......	......	......	......	......	Nil	Nil	0·80	0·62	2·35	Nil	0·01
		Balloorghat	......	......	......	......	......	......	......	Nil	Nil	1·30	1·89	2·78	Nil	Nil
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	?	1·33	?	Nil	?
	Rungpore ...	Burwanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	1·42	3·56	3·21	Nil	0·04
		Rungpore ...	......	......	......	......	......	......	......	Nil	Nil	1·58	10·46	2·77	Nil	0·02
		Kurigram ..	......	......	......	......	......	......	......	Nil	Nil	0·98	4·33	2·58	Nil	Nil
		Bagdogra									Nil					
		(*Nilphamari*)	......	......	......	......	......	......	......	Nil	Nil	1·10	0·19	3·27	Nil	0·02
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	7·57	?	Nil	?
	Julpigoree ...	Julpigoree ...	......	......	......	......	......	......	......	Nil	Nil	1·01	4·48	2·45	Nil	0·05
		Alipore Dooar	......	......	......	......	......	......	......	Nil	Nil	?	2·40	?	Nil	?
		Fallacotta ...	......	......	......	......	......	......	......	Nil	Nil	?	1·40	?	Nil	?
		Debiganj ...	......	......	......	......	......	......	......	Nil	Nil	?	2·85	?	Nil	?
		Bhagatpore (Nagrakatta)	......	......	......	......	......	......	......	Nil	Nil	?	5·29	?	Nil	?
	Cooch Behar.	Dinhatta ..	......	......	......	......	......	......	......	Nil	Nil	1·38	0·07	3·81	Nil	0·17
		Cooch Behar	......	......	......	......	......	......	......	Nil	Nil	1·17	1·76	3·41	Nil	0·03
		Mekligunge .	......	......	......	......	......	......	......	Nil	Nil	1·04	2·47	2·47	Nil	0·08
		Matabhanga...	......	......	......	......	......	......	......	Nil	Nil	1·23	0·80	3·39	Nil	0·14
	Darjeeling Hill.	Buxa .	......	......	......	......	......	......	......	Nil	Nil	1·30	3·32	4·91	Nil	0·28
		Silliguri .	......	......	......	......	......	......	......	Nil	Nil	0·51	1·45	3·44	Nil	Nil
		Darjeeling ...	......	......	......	......	......	......	......	Nil	Nil	1·12	0·82	3·32	Nil	0·01
		Kalimpong ..	......	......	......	......	......	......	......	Nil	Nil	0·18	0·33	2·10	Nil	Nil
		Kurseong ...	......	......	......	......	......	......	......	Nil	Nil	?	1·94	?	Nil	?
North Behar	Purneah ...	Kissengunge...	......	......	......	......	......	......	......	Nil	Nil	0·74	0·11	1·04	Nil	Nil
		Arrareah ...	......	......	......	......	......	......	......	Nil	Nil	0·63	1·62	2·08	Nil	Nil
		Purneah ...	......	......	......	......	......	......	......	Nil	Nil	0·51	0·98	1·94	Nil	0·09
		Gondwara ...	......	......	......	......	......	......	......			?		?	Nil	?
		Balarampore	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
		Mattari ...	......	......	......	......	......	......	......	Nil	Nil	?	0·30	?	Nil	?
		Kaliaganj ...	......	......	......	......	......	......	......	Nil	Nil	?	0·55	?	Nil	?
	North Bhagulpore.	Maddapore ...	......	......	......	......	......	......	......	Nil	Nil	0·75	0·81	2·89	Nil	Nil
		Soopoul ..	......	......	......	......	......	......	......	Nil	Nil	0·40	1·62	1·86	Nil	Nil
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	?	0·33	?	Nil	?
	Durbhunga ...	Tajpore ...	......	......	......	......	......	......	......	Nil	Nil	0·36	0·17	2·16	Nil	0·02
		Durbhunga ...	......	......	......	......	......	......	......	Nil	Nil	0·32	1·02	2·13	Nil	Nil
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	0·28	1·59	1·65	Nil	0·06
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	?	0·32	?	Nil	?
		Rosera ...	......	......	......	......	......	......	......	Nil	Nil	?	0·50	?	Nil	?
	Mozufferpore	Sitamarhi ..	......	......	......	......	......	......	......	Nil	Nil	0·39	2·44	2·08	Nil	Nil
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	0·27	0·23	2·03	Nil	0·02
		Hajipore ...	......	......	......	......	......	......	......	Nil	Nil	0·46	0·42	2·93	Nil	0·07
		Paru ...	......	......	......	......	......	......	......	Nil	Nil	?	3·30	?	Nil	?
		Mahua ...	......	......	......	......	......	......	......	Nil	Nil	?	0·13	?	Nil	?
		Sheohar ...	......	......	......	......	......	......	......	Nil	Nil	?	2·16	?	Nil	?
		Pupri ..	......	......	......	......	......	......	......	Nil	Nil	?	0·31	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 17th of October 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 11th Oct.	Monday, 12th Oct.	Tuesday, 13th Oct.	Wednesday, 14th Oct.	Thursday, 15th Oct.	Friday, 16th Oct.	Saturday, 17th Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari	......	......	......	......	......	......	......	Nil	Nil	0·33	3·08	2·64	Nil	Nil
		Bettiah	......	......	......	......	......	......	......	Nil	Nil	0·26	3·39	2·31	Nil	Nil
		Baguha	......	......	......	......	......	......	......	Nil	Nil	?	9·00	?	Nil	?
		Burhurwa	......	......	......	......	......	......	......	Nil	Nil	?	2·10	?	Nil	?
	Sarun ..	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·22	1·80	2·31	Nil	Nil
		Sewan	......	......	......	......	......	......	......	Nil	Nil	0·25	0·70	2·27	Nil	0·03
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	0·43	0·38	2·22	Nil	0·02
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	0·41	1·02	2·06	Nil	0·11
		Dehree	......	......	......	......	......	......	......	Nil	Nil	0·48	0·50	1·78	Nil	0·02
		Bhaboouh ...	......	......	......	......	......	......	......	Nil	Nil	0·47	0·46	1·91	Nil	0·16
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	0·44	0·77	2·36	Nil	0·08
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	0·54	1·21	2·34	Nil	0·01
		Mohaniah .	......	......	......	......	......	......	......	Nil	Nil	?	?	?	Nil	?
	Gya	Aurungabad ...	......	......	......	......	......	......	......	Nil	Nil	0·25	0·38	2·19	Nil	0·01
		Gya ...	......	......	......	......	......	......	......	Nil	Nil	0·25	1·08	1·56	Nil	0·01
		Nowadah ...	......	......	......	......	......	......	......	Nil	Nil	0·24	0·33	1·60	Nil	Nil
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	0·94	1·93	2·80	Nil	0·02
		Arwal	......	......	......	......	......	......	......	Nil	Nil	?	2·10	?	Nil	?
		[D]audnagar	......	......	......	......	......	......	......	Nil	Nil	?	0·32	?	Nil	?
		Sherrghatti	......	......	......	......	......	......	......	Nil	Nil	?	1·37	?	Nil	?
		Rajauli	......	......	......	......	......	......	......	Nil	Nil	?	0·84	?	Nil	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	?	1·10	?	Nil	?
	Patna .	Patna ...	......	......	......	......	......	......	......	Nil	Nil	0·43	1·51	2·21	Nil	0·05
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	0·42	0·30	2·14	Nil	0·08
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	0·38	1·10	2·08	Nil	0·07
		Barrh ..	......	......	......	......	......	......	......	Nil	Nil	0·43	0·37	2·00	Nil	Nil
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	?	2·37	?	Nil	?
		Hilsa	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
	Monghyr ...	Begooserai ...	......	......	......	......	......	......	......	Nil	Nil	0·34	1·66	1·78	Nil	0·01
		Monghyr	......	......	......	......	......	......	......	Nil	Nil	0·46	4·26	2·07	Nil	0·01
		Jamui .	......	......	......	......	......	......	......	Nil	Nil	0·36	0·80	1·72	Nil	0·01
		Gogri .	......	......	......	......	......	......	......	Nil	Nil	?	2·87	?	Nil	?
		Sheikpura ...	......	......	......	......	......	......	......	Nil	Nil	?	0·51	?	Nil	?
	South Bhagulpore	Bhagulpore .	......	......	......	......	......	......	......	Nil	Nil	0·32	0·10	2·15	Nil	0·01
		Banka	......	0·05	......	......	......	......	......	Nil	0·05	0·30	0·18	2·19	Nil	0·28
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	?	0·29	?	Nil	?
		Bongaon ..	......	......	......	......	......	......	......	Nil	Nil	?	0·15	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	0·46	4·35	2·09	Nil	Nil
		Godda ..	......	......	......	......	......	......	......	Nil	Nil	0·63	1·37	2·01	Nil	0·15
		Pakour	......	......	......	......	......	......	......	Nil	Nil	1·47	6·90	3·34	Nil	0·20
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	0·81	0·32	2·73	Nil	Nil
		Deoghur	0·05	......	......	......	......	......	......	Nil	0·05	1·29	0·91	2·61	Nil	0·26
		Jamtara ...	......	......	1·30	......	......	......	......	1	1·30	0·39	1·81	2·04	Nil	Nil
		Mohagama .	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
		Naminat .	......	......	......	......	......	......	......	Nil	Nil	?	0·45	?	Nil	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba (Giridi) ...	0·09	......	......	......	......	......	......	Nil	0·09	0·71	0·21	1·99	Nil	Nil
		Hazaribagh	......	......	......	......	......	......	......	Nil	Nil	0·47	0·27	2·31	Nil	0·01
		Semtagurah	......	......	......	......	......	......	......	Nil	Nil	0·49	0·43	2·10	Nil	0·02
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	0·56		1·72	Nil	Nil
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	0·57	0·90	2·02	Nil	Nil
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Chatra .	......	......	......	......	......	......	......	Nil	Nil	?	0·71	?	Nil	?
		Karagdeha ..	0·33	......	......	......	......	......	......	1	0·33	?	0·38	?	Nil	?
		Ramghar .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Lohardugga .	Lohardugga ...	......	......	......	......	......	......	......	Nil	Nil	0·35	0·33	1·57	Nil	0·09
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	0·35	0·13	2·02	Nil	0·06
		Palamow	......	......	......	......	......	......	......	Nil	Nil	0·22	0·07	1·80	Nil	0·06
		Silli .	......	......	......	......	......	......	......	Nil	Nil	?	0·20	?	Nil	?
		Balumat	......	......	......	......	......	......	......	Nil	Nil	?	0·08	?	Nil	?
		Hossenabad	......	......	......	......	......	......	......	Nil	Nil	?	0·20	?	Nil	?
		Garwah ..	......	......	......	......	......	......	......	Nil	Nil	?	1·08	?	Nil	?
	Singbhoom .	Chyebassa ...	0·16	......	......	......	......	......	......	1	0·16	0·43	1·26	1·48	Nil	0·01
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
		Ghatsilla ...	......	......	......	0·20	......	......	......	1	0·20	?	2·08	?	Nil	?
		Baharagura	......	......	......	......	0·10	......	......	1	0·19	?	0·54	?	Nil	?
	Manbhoom	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	0·57	Nil	2·07	Nil	0·01
		Gobindpore .	......	0·02	......	......	......	......	......	Nil	0·02	0·57	0·29	2·05	Nil	0·04
		Raghunathpore.	......	......	0·83	......	......	......	......	1	0·83	?	0·99	?	Nil	?
		Burrabhoom	......	......	......	......	0·30	......	......	1	0·30	?	0·68	?	Nil	?
		Jhalda ...	......	......	0·10	......	......	......	......	1	0·10	?	0·60	?	Nil	?
		[illegible] ..	......	......	......	......	......	......	......	Nil	Nil	?	0·35	?	Nil	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 20th October* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 17TH OF OCTOBER 1891.

FINE settled weather has prevailed throughout the week, with clear skies, low temperature especially at night, and an almost total absence of rain. At the commencement of the week the pressure distribution was very favourable for the continuance of northerly winds and clear dry weather, as readings were lowest in the south of Madras and gradually increased to the foot of the Himalayas, and from being slightly below the normal in the south they were more than a tenth of an inch in excess in Behar. The wind circulation was very light, but there was a decided northerly element in all districts except Behar, where calms or light variable airs prevailed. In Lower Bengal the easterly element was most pronounced; this, however, disappeared after a day or two and north or north-westerly winds prevailed. Pressure slowly fell and gradients became steadily more slight towards the end of the week, but the general character of the distribution remained unchanged, readings being highest in the north and lowest in the extreme south of Madras. While this arrangement of pressure and winds obtained, the air became drier, only very light cloud appeared, and temperature, though normal or slightly above during the day, was considerably below the normal during the night. Oscillations in both temperature and pressure during the week were very unimportant and, in fact, all meteorological conditions have been unusually settled.

Pressure.—As stated above, pressure oscillated very slightly during the week. There being a large excess at the beginning, readings were never below the normal, but as there was a general downward tendency, the difference from the normal was smaller at the end of the week, and nowhere above a twentieth of an inch. From the 11th till the 13th there was a very slow rise, a moderate fall prevailed on the 14th, a slow fall on the 15th, and on the 16th and 17th small irregular changes. Means for the week are above the normal by about ·08 inch in all districts except Assam, where excess is small in the extreme east and about ·05 inch in the western half.

Temperature—Changed irregularly during the first half of the week, rising and falling in the northern and southern districts on alternate days. Then an almost general fall prevailed of between 1° and 2°, continuing on the 15th especially in Lower Bengal, after which irregular changes began again and continued till the end of the month. Lowest readings were recorded in Lower Bengal and Assam on the 17th and in the northern districts on the 11th or the 13th. On the 17th defect in mean temperature in all districts except Behar was nearly 3°, and this was almost entirely due to low temperature at night, defect in minimum readings being in some places as much as 8°. Means for the larger divisions are all below the normal, 2·6° in North Bengal, 2° in North Behar, 1·9° in East Bengal, and 1° or more in all the other districts except South-West Bengal, where defect is ·8°.

Rainfall.—No rain has fallen in North Bengal or North Behar, and only a few light showers in the other districts except Orissa, where an average of nearly half an inch has been received. In South-West Bengal the mean fall is ·08 inch, in South Behar ·05 inch, and in East Bengal and Chutia Nagpur ·02 inch. Thus the greater part of the province has been practically rainless, and the larger fall in Orissa is due to thunderstorms which were fairly general in the Cuttack and Balasore districts on the 15th.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 17th of October 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	91·9	67·8	88·2	73·6	80·9	−1·1	0·68	1·13	−0·45	0·60	1·33	−0·73	1·05	3·46	Nil	0·15
South-West Bengal ...	91·3	67·5	88·8	73·2	81·0	−0·8	0·08	1·22	−1·14	0·09	1·03	−0·94	0·64	2·75	Nil	0·11
East Bengal	90·2	66·6	87·9	70·7	79·3	−1·9	0·02	1·25	−1·23	0·08	1·29	−1·21	1·18	3·41	Nil	0·14
North Bengal	90·1	63·1	87·5	68·1	77·8	−2·6	Nil	1·16	−1·16	0·00	0·87	−0·87	1·92	2·91	Nil	0·09
North Behar	91·3	62·8	88·3	67·2	77·8	−2·0	Nil	0·41	−0·41	0·00	0·48	−0·48	1·36	2·21	Nil	0·02
South Behar	91·4	65·4	80·1	69·3	79·2	−1·2	0·05	0·55	−0·50	0·04	0·65	−0·61	1·37	2·17	Nil	0·06
Chutia Nagpur	84·7*	60·4*	82·7*	65·6*	74·1*	−1·4*	0·02	0·50	−0·48	0·09	0·84	−0·75	0·30	1·93	Nil	0·03
Assam	92·0	66·4	87·8	70·3	79·1	−1·0										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 20th October 1891.

C. LITTLE,
for Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 11th to 17th October 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Oct.	11th	146·5	9·1	29·916	80·5	87·8	14 3	73·5	75·1	0·799	72·5	78	ENE, N and calm	53	Nil	Partially cloudy, △.
,,	12th	147·2	10·2	·922	81·5	88·6	14·4	74·2	76·3	·838	73·9	79	N and calm ...	60	,,	Chiefly clear, △.
,,	13th	145·3	10·1	·911	81·6	88 6	13·6	75·0	76·6	·848	74·2	79	N and NNE ...	56	,,	Chiefly clear, △.
,,	14th	141·8	8·7	·871	80·8	87·6	13·0	74·6	75·5	·812	73 0	78	NNW and N ...	56	,,	Chiefly clear, △.
,,	15th	140·7	9·8	·874	80·0	87·1	13·3	73·8	74 1	·766	71·2	76	NNW and N ...	58	,,	Partially cloudy, △.
,,	16th	143·7	10·5	·884	78·1	85·9	16·2	69·7	72·0	·711	69·0	75	NNW and N ...	64	,,	Chiefly clear, △.
,,	17th	145·3	10·3	·884	78·3	86·5	15·4	71·1	72·1	·706	68·8	73	NNW, W and NW	51	,,	Chiefly clear, △.

	Inches.
The mean pressure of the seven days	29·895
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·839
	Hours.
The total number of hours of bright sunshine	68·2
The maximum possible number of hours of sunshine	81·4
	°
The mean temperature of the seven days	80·1
The average temperature of the corresponding period for 24 years, S.-G.'s Office	82·5
The extreme variation of temperature	18·9
The maximum temperature	88·6
	Miles.
The highest velocity of the wind in one hour	8
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	77
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	79
	Inches.
The total fall of rain from 11th to 17th October 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·74
The total fall from 1st January to 17th October 1891	46·42
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	62·10

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h, and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

△ dew.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 19th October 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteoro logical Office, Chowringhee, from 11th to 17th October 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
October ...	11th ...	29·984	81·9	90·0	16·2	73·8	85·6	74·5	·706	68·8	58	Nil
,, ...	1:th ...	·993	83·3	89·8	15·0	74·8	86·6	77·5	·821	73 3	65	,,
,, ...	13th ...	·984	82·7	90·0	14·7	75·3	86·6	77·1	·804	72·7	63	,,
,, ...	14th ...	·916	81·8	88·7	13 9	74·8	85·6	75·5	·750	70 6	61	,,
,, ...	15th ...	·915	81·4	89·3	15·8	73·5	84·9	75·7	·765	71·2	64	,,
,, ...	16th ...	·969	79·3	87·8	17·0	70 8	84·4	71·6	·6·4	64·3	51	,,
,, ...	17th ...	·991	79·9	88 5	17·2	71·3	84·6	74·5	·720	69 4	61	,,

				Inches.
The mean 10 A.M. pressure of the seven days	...	...	...	29·973
The mean temperature of the seven days	...	...	...	81·3
The extreme variation of temperature	...	...	...	19·2
The maximum temperature ...	...	...	...	90 0
				%
The mean 10 A.M. relative humidity of the seven days		...	...	60
The total fall of rain from 11th to 17th October 1891		...	...	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 19th October 1891.

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH, BENGAL.

Abstract Statement showing Tollage on Canals in Bengal classed as Minor Works and Navigation for the month of August 1891, *as compared with that of the corresponding month of the previous year.*

Canals.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals ...	25,876	12	6	1,07,424	0	3	21,069	15	9	91,064	7	6
Tolly's Nullah ...	7,822	9	9	41,253	15	3	8,177	11	6	40,496	3	0
Total ...	33,699	6	3	1,48,677	15	6	29,247	11	3	1,31,560	10	6
Orissa Coast Canal ...	3,232	8	6	21,692	10	3	6,117	3	3	29,766	12	6
Nuddea Rivers ...	35,650	7	0	82,646	7	6	36,969	1	0	91,152	0	6
GRAND TOTAL ...	72,582	5	9	2,53,017	1	3	72,333	15	6	2,52,479	7	6

CALCUTTA,
The 20th October 1891.

G. A. G. SHAWE,
Under-Secy. to the Govt. of Bengal.

Weekly Return of Traffic Receipts on Indian Railways.

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY.)

Approximate Return of Traffic for the week ending 3rd *October* 1891, *on* 721 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	80,610	30,080	2,09,760	26,320	7,720	64,120	13,625	11,184	24,80[illegible]
Or per mile of railway	111·80	41·72	290·93	36·50	10·71	88·93	......	...	......
For previous 12½ weeks of half-year	1,014,351	3,95,042	37,10,596	4,31,663	1,12,290	(a) 9,38,995	153,763	178,342	(a)332,10[illegible]
Total for 13½ weeks ...	1,094,961	4,25,122	39,20,356	4,57,983	1,20,010	(a) 10,03,115	167,388	189,526	(a)356,91[illegible]
COMPARISON.									
Total for corresponding week of previous year on 691 miles open	81,290	27,648	(b) 2,19,760	26,963	7,523	62,134	12,662	11,532	24,19[illegible]
Per mile of corresponding week of previous year	117·64	40·01	318·03	39·02	10·89	89·92	......	......	......
Total to corresponding date of previous year	1,015,630	3,57,680	34,40,591	3,95,654	86,733	8,40,067	156,457	157,922	314,37[illegible]

(a) Includes audited figures up to 1st August 1891.
(b) Approximate figures.

EARNINGS.

HEADS.	B. & N.-W. Railway.						Tirhoot State Railway.					
	Week ending 3rd October 1891.			Week ending 4th October 1890.			Week ending 3rd October 1891.			Week ending 4th October 1890.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Coaching	13,700	0	0	13,975	0	0	16,380	0	0	13,674	0	0
Goods	12,[illegible]0	0	0	13,214	0	0	13,690	0	0	13,748	0	0
Other earnings	4,090	0	0	4,123	0	0	3,630	0	0	3,100	0	0
Total ...	30,420	0	0	31,612	0	0	33,700	0	0	30,522	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 19th September 1891	12,243	0	0
Corresponding period of 1890	17,556	0	0
Decrease	5,313	0	0
Receipts per mile for week ending 19th September 1891	240	0	11
Corresponding period of 1890	344	3	11
Decrease	104	3	0
Receipts from 1st July to 19th September 1891	1,25,941	0	0
Corresponding period of 1890	1,07,028	0	0
Increase	18,913	0	0

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FINANCIAL RESOLUTION 1891-92.

FINANCIAL DEPARTMENT—FINANCE.

No. 4501.

Darjeeling, the 26th October 1891.

RESOLUTION.

IN a Resolution dated the 17th April 1891, immediately after receiving the orders of the Government of India on the Budget Estimates for the currrent year, the Lieutenant-Governor reviewed the financial results of the quinquennial period covered by the contract of 1887, which expires with the present year. The Accountant-General's figures for March 1891 had not then been issued, and the estimates for 1891-92 were therefore framed with reference to the preliminary figures for ten, and in some cases eleven, months of the preceding year. The Accountant-General's Appropriation Report on the accounts of 1890-91 has now been received, and his unadjusted figures for the first five months of the current year are sufficient to form the basis of a review of the Revised Estimate for 1890-91 and the Budget Estimate for the current year. The usual examination of the general financial position of the Province need not therefore be postponed.

REVISED ESTIMATES, 1890-91.

2. The following statement shows the revised estimates as adopted in the Resolution of the 17th April and the estimates now passed with reference to the approximate actuals of the year :—

Receipts.	Revised Estimate—	
	Passed by the Government of India and adopted in the Resolution of 17th April 1891.	Now passed.
	Rs.	Rs.
Opening balance	36,76,000	36,77,000
Principal Heads of Revenue—		
I.—Land Revenue { Proper .	99,18,000	99,95,000
I.—Land Revenue { Adjustments	—15,14,000	—21,80,000
III.—Salt	1,25,000	1,28,000
IV.—Stamps	1,07,63,000	1,06,88,000
V.—Excise	26,22,000	26,16,000
VI.—Provincial Rates	43,10,000	43,2[illegible],000
VII.—Customs	56,000	58,000
VIII.—Assessed Taxes	21,00,000	21,19,000
IX.—Forests	3,78,000	3,64,000
X.—Registration	6,25,000	6,20,000
Total	2,93,83,000	2,87,26,000
XII.—Interest	1,44,000	91,000
Post-office, Telegraph and Mint—		
XIV.—Telegraphs	......	1,000
Receipts by Civil Department—		
XVI.—Law and Justice— Courts of Law	8,50,000	8,96,000
Jails	9,00,000	8,50,000
XVII.—Police	4,63,000	4,50,000
XVIII.—Marine	9,00,000	9,19,000
XIX.—Education	5,69,000	5,70,000
XX.—Medical	1,49,000	1,43,000
XXI.—Scientific and other Minor Departments	1,62,000	1,77,000
Total ...	39,95,000	40,11,000
Miscellaneous—		
XXII.—Receipts in aid of Superannuation	1,35,000	1,36,000
XXIII.—Stationery and Printing ..	1,37,000	2,94,000
XXV.—Miscellaneous	7,64,000	7,09,000
Total ...	10,36,000	11,39,000
Railways—		
XXVI.—State Railways (gross earnings)	1,46,55,000	1,49,24,000
Irrigation—		
XXIX.—Major Works (direct receipts) ...	13,44,000	13,47,000
XXX.—Minor Works and Navigation— By Public Works Department	8,42,000	8,44,000
By Civil Department ...	1,02,000	94,000
Total ...	23,88,000	22,85,000
Buildings and Roads—		
XXXII.—Civil Works— By Public Works Department	4,67,000	4,72,000
By Civil Department ...	2,60,000	2,64,000
Total ...	7,27,000	7,36,000
Contributions ..	....	......
Total	5,22,31,000	5,19,63,000
GRAND TOTAL .	5,59,07,000	5,56,40,000

Expenditure.	Revised Estimate—	
	Passed by the Government of India and adopted in the Resolution of 17th April 1891.	Now passed.
	Rs.	Rs.
Direct demand on the revenues—		
1. Refunds and drawbacks	1,47,000	1,50,000
2. Assignments and compensations	1,60,000	1,63,000
3. Land Revenue	37,16,000	37,18,000
5. Salt	93,000	68,000
6. Stamps	3,86,000	3,64,000
7. Excise	1,72,000	1,63,000
8. Provincial Rates	3,80,000	4,06,000
9. Customs	5,45,000	5,42,000
10. Assessed Taxes	87,000	88,000
11. Forests	2,25,000	2,02,000
12. Registration	3,12,000	3,15,000
Total ...	62,23,000	61,77,000
13. Interest on ordinary debt... ...	89,000	83,000
Post-office, Telegraph and Mint—		
16. Telegraphs	......	1,000
Salaries and expenses of Civil Department—		
18. General Administration	15,95,000	15,85,000
19. Law and Justice— Courts of Law	82,25,000	82,39,000
Jails	20,60,000	21,40,000
20. Police	52,58,000	52,93,000
21. Marine	9,16,000	9,45,000
22. Education	24,86,000	25,25,000
24. Medical	15,51,000	15,66,000
25. Political	24,000	22,000
26. Scientific and other Minor Departments	3,05,000	2,96,000
Total ...	2,24,20,000	2,25,05,000
Miscellaneous—		
29. Superannuation, &c.	15,08,000	15,14,000
30. Stationery and Printing	10,50,000	11,51,000
32. Miscellaneous	2,38,000	2,26,000
Total ...	27,96,000	28,91,000
Famine Relief and Insurance—		
33. Famine Relief	25,000	13,000
37. Construction of Railways	11,000	13,000
Railways (Revenue account)—		
38. State Railways— Working expenses	76,37,000	72,02,000
Interest on debt	35,84,000	35,81,000
40. Subsidized Companies— Land, &c.	6,000	5,000
41. Miscellaneous Railway expenditure	80,000	80,000
Total ...	1,13,07,000	1,08,68,000
Irrigation—		
42. Major Works— Working expenses	13,70,000	13,51,000
Interest on debt	23,84,000	23,82,000
43. Minor Works and Navigation— By Public Works Department	15,25,000	15,03,000
By Civil Department ...	2,000	12,000
Total ...	52,81,000	52,48,000
Buildings and Roads—		
45. Civil Works— By Public Works Department	35,20,000	35,06,000
By Civil Department ...	94,000	64,000
Total ...	36,14,000	35,70,000
Contributions	8,80,000	8,94,000
Total ...	5,26,46,000	5,22,63,000
Closing balance ...	32,61,000	33,77,000
GRAND TOTAL ...	5,59,07,000	5,56,40,000
Provincial surplus (+) or deficit (—).	—4,15,000	—3,00,000

RECEIPTS.

3. *Land Revenue.*—The latest return from the Accountant-General shows that the total collections during 1890-91 amounted to Rs. 3,88,20,000, against Rs. 3,84,74,000 passed by the Government of India as the revised estimates for the year. The 10 per cent. collections from Government estates aggregated Rs. 3,87,000, and the Provincial share of land revenue is therefore one-fourth of (Rs. 3,88,20,000 — Rs. 3,87,000) *plus* Rs. 3,87.000, or Rs. 99,95,000. The adjustments between Imperial and Provincial will probably result in a net deduction of Rs. 21,80,000, as shown below—

	Revised estimate of the Government of India.	Revised estimate now adopted.
	Rs.	Rs.
Fixed contribution to Imperial	—6,90,000	—6,90,000
Special benevolence to Imperial	—10,00,000	—10,00,000
Hidgellee Tidal Canal	+1.52,000	+1.53,000
Interest on exchange, State Railways	+93,000	+93,000
Inter-Provincial adjustments	+73,000	+1,29,000
Adjustment for Shahjehanpore rum	+35.000	......
Duty on Bengal-made rum	—9,000	—11,000
Half the cost of the Special Branch of the Police Office	+5,000	+5,000
Adjustment for ganja exported	—21,000	......
Custom House Appraisers	+8,000	+8,000
Conservation of ancient monuments	+1,000	+1,000
Petroleum wharf establishment at Budge-Budge ...	+4 000	+4,000
Eastern Bengal Railway Police	+41,000	+41,000
Political charges	+21,000	+21,000
Calcutta Police	+2,00,000	+2,00.000
Forest survey charges	—3,000	—3,000
New method of testing distillation of imported spirits	+3,000	+3 000
Duty levied under Succession Act VII of 1889 on probates, letters-of-administration, and certificates under Act XXVII of 1886 during 1890-91	......	—1,71.000
Adjustment on account of the new classification of rewards out of criminal fines in excise and stamp cases	—30,000	—33,000
Up-keep of the *Rhotas*	+9 000	+9,000
Interest on Hidgellee Tidal Canal	—6,000	—6,000
Net earnings of the Bengal and North-Western Railway	—4,00,000	—9,39,000
Adjustment of the loss in rents from the Burrakur Iron Works	......	+6,000
Total ...	—15,14,000	—21,80,000

4. The only new credit which has been taken under this head under the orders of the Government of India, Public Works Department, No. 4387A., dated 19th December 1890, is on account of the receipts and charges connected with the land pertaining to the Burrakur Iron Works' property, which has been leased to the Bengal Iron and Steel Company, Limited. The rents realized from the Company during 1890-91 amounted to Rs. 281, and the rent paid Rs. 6,626, showing a loss of Rs. 6,345 to the Provincial revenues. But against this credit there has been a debit of Rs. 1,71,000, on account of the duty levied in stamps under the Succession Act VII of 1889 on probates, letters-of-administration, and certificates under Act XXVII of 1886; and the debit of Rs. 4,00,000, which was allowed for in the estimate of the Government of India on account of the net profits of the Bengal and North-Western Railway Company for the last quarter of 1890-91, has been raised to Rs. 9,39,000, as the Company's share of the profits for the preceding half-year ending 31st December 1890, amounting to Rs. 5,39,000, was not paid until May of the current year.

5. *Stamps.*—The Provincial receipts from stamps amounted to Rs. 1,06,86,000, against Rs. 1,07,63,000, the revised estimate of the Government of India. The decrease was under "court-fee stamps," and was due to the fall in the number and value of suits instituted.

6. *Assessed Taxes.*—The revised estimate under this head was placed at Rs. 42,00,000, against Rs. 41,67,000, the actuals of 1889-90. The percentage of collection on the final demand for the income-tax rose from 92·5 in 1889-90 to 93·3 in 1890-91, and the actuals in the latter year amounted to Rs. 42,39,000. The revised estimate of the Provincial share has accordingly been placed at Rs. 21,19,000.

7. *Jails.*—The final accounts of 1889-90 show that the receipts from Jails in that year amounted to Rs. 8,60,000, against Rs. 5,60,000 exhibited in the preliminary accounts of March 1890. The preliminary account of March 1891 shows that the receipts for the last year were only Rs. 4,90,000. The adjustment made up to August shows that the total amounted to Rs. 7,67,000. The bills of the Jail Departments for manufactures supplied to other departments during 1890-91 have not probably been yet all adjusted; but looking to all circumstances, the Lieutenant-Governor does not think that it will be safe to take more than Rs. 8,50,000 as the approximate figure for the year.

8. *Stationery and Printing.*—The receipts under this head amounted to Rs. 2,94,000, against Rs. 1,37,000, the revised estimate passed by the Government of India. The increase was under "Other Press receipts," and was due to the sale of census forms to other Provinces and Administrations.

9. *Railways.*—The following statement compares the revised estimates as passed by the Government of India and those now adopted :—

	Revised estimate passed by the Government of India.	Approximate actuals.
	Rs.	Rs.
RECEIPTS—		
Eastern Bengal	77,49,000	76,72,503
Other sections of the Eastern Bengal System	44,01,000	45,28,613
Total Eastern System	1,21,50,000	1,22,01,116
Nalhati	98,000	1,00,084
Tirhoot (for 3 months, from 1st April to 30th June 1890)	6,97,000	6,19,828
Tirhoot and Bengal and North-Western Railways (for 6 months, from 1st July 1890 to 31st December 1890) ...	33,75,000	19,75,209
Tirhoot and Bengal and North-Western Railways (for 3 months, from 1st January to 31st March 1891)		13,62,510
Total ...	1,63,20,000	1,62,58,747
EXPENDITURE—		
Eastern Bengal	30,84,000	31,13,055
Other sections of the Eastern Bengal System	22,66,000	23,08,998
Total Eastern System	53,50,000	54,22,053
Nalhati	76,000	78,317
Tirhoot (for 3 months, from 1st April to 30th June 1890)	3,11,000	2,48,107
Tirhoot and Bengal and North-Western Railways (for 6 months, from 1st July 1890 to 31st December 1890) ...	13,75,000	9,75,394
Tirhoot and Bengal and North-Western Railways (for 3 months, from 1st January to 31st March 1891)		4,77,973
Company's share of net receipts (for 6 months, ending December 1890) ...	5,25,000	...... *
Total ...	76,37,000	72,01,844

* The payment to the Company was not made till May 1891, and the amount has been included in the adjustments between Imperial and Provincial under Land Revenue.

	Revised estimate passed by the Government of India.	Approximate actuals.
	Rs.	Rs.
Net Receipts—		
Eastern Bengal	46,65,000	45,59,448
Other sections of the Eastern Bengal System	21,35,000	22,19,615
Total Eastern System ...	68,00,000	67,79,063
Nalhati	22,000	21,767
Tirhoot (for 3 months, from 1st April to 30th June 1890)	3,86,000	3,71,721
Tirhoot and Bengal and North-Western Railways (for 6 months, from 1st July 1890 to 31st December 1890)	14,75,000	9,99,815
Tirhoot and Bengal and North-Western Railways (for 3 months from 1st January to 31st March 1891)	......	8,84,537
Total ...	86,83,000	90,56,903
Deduct—		
Excess of net receipts of the Eastern Bengal over the contract assignment of 30 lakhs ...	16,65,000	15,59,448
Total Provincial net receipts ...	70,18,000	74,97,455

10. The fourteenth report of the Directors of the Bengal and North-Western Railway Company contains the Capital and Revenue Accounts of the Tirhoot and Bengal and North-Western Railway for the half-year ending 31st December 1890, and shows the first half-year's working since the Tirhoot State Railway was made over to the Company. The gross earnings of the combined undertaking for the half-year amounted to Rs. 19,75,209 against Rs. 18,65,683, the earnings of the corresponding period of 1889, showing an increase of Rs. 1,09,526, of which Rs. 1,05,623 has been contributed by the Tirhoot State Railway, and the balance, Rs. 3,903, by the Company's line. The increase is attributable to the opening of the Sitamarhi branch and Kosi extension of the Tirhoot Railway. The working expenses of the combined undertaking amounted to Rs. 9,75,394 against Rs. 10,04,730 for the half-year ended 31st December 1889, and were 49·38 per cent. of the gross earnings against 46·40, the percentage for the Tirhoot line, and 61·86 for the Bengal and North-Western Railway, or an average of 53·85 for the two railways in the corresponding period of 1889. The net profits for the half-year amounted to Rs. 9,99,815, and this has been divided under the terms of the contract with the Company, the share of the Tirhoot line, amounting to Rs. 4,60,653 and that of the Company's Rs. 5,39,162, against Rs. 5,17,787 and Rs. 3,43,166 respectively, the net earnings of the two lines for the corresponding period of 1889. This result has been obtained notwithstanding that the additional length of line opened was on the Tirhoot side. The total mean mileage worked during the half-year was 692·62, of which 376 belonged to the Company's line and 316·62 to the Tirhoot line. Dividing the total gross working expenses in proportion to the mileage worked for the two lines, the share of the working expenses of the Tirhoot line amounts to Rs. 4,45,886, and deducting this from the gross earnings of the line, the net profits come to Rs. 6,25,711. The difference between this amount and Rs. 4,60,653 actually credited, or Rs. 1,65,058, represents the loss to the Provincial revenue for the half-year by the transfer of the management of the Tirhoot line to the Company. Calculated on this principle, the working expenses of the Bengal and North-Western Railway during the last quarter of 1890-91 would amount to Rs. $\frac{376}{698\cdot 62}$ × 4,77,973 (joint working expenses) = 2,57,247, and the net profits to Rs. 5,97,724 — 2,57,247 = 3,40,724. But as the share of the Company's net receipts under the contract has been estimated by the Government of India at Rs. 4,00,000, and a deduction of this amount has already been made from the Provincial share of Land Revenue, the Provincial revenues are entitled to recoupment of the loss for the last quarter, amounting to Rs. 4,00,000—3,40,724=59,276. A credit for Rs. 1,65,058+59,276= 2,24,334 has accordingly been provisionally taken under this head, subject to final

adjustment under the orders of the Government of India who have been separately addressed on the subject in letter No. 382T.—F., dated 26th October 1891.

The total Provincial receipts would amount to Rs. 1,49,24,000, thus—

	Rs.
Eastern Bengal	76,72,503
Less excess over the contract assignment ...	15,59,448
	61,13,055
Other sections of the Eastern Bengal System ...	45,28,613
Nalhati	1,00,084
Tirhoot	6,19,828
Tirhoot and Bengal and North-Western Railway ...	33,37,719
Credit for loss to Provincial by the transfer of Tirhoot line to the Bengal and North-Western Railway Company	2,24,334
Total ...	1,49,23,633
or in round numbers ...	1,49,24,000

11. *Civil Works.*—The original estimate of the Public Works Department under this head for 1890-91 was Rs. 1,50,000. Subsequently a plot of land on the north-west corner of the Custom House premises in Calcutta was made over to the East Indian Railway Company for the extension of their office buildings on payment of Rs. 3,17,041. The revised estimate was therefore placed at Rs. 4,67,000. The actual receipts have, however, amounted to Rs. 4,72,000.

EXPENDITURE.

12. *Land Revenue.*—The Accountant-General's preliminary account shows that the total expenditure under this head amounted to Rs. 33,96,000, against the revised estimate of Rs. 37,16,000, the charges for the survey and settlement amounting to Rs. 1,83,000 only, against Rs. 4,90,000, the revised estimate passed by the Government of India. As the adjustments between the Imperial and Provincial accounts on account of the professional surveys have not yet been completed, the estimate passed by the Government of India has been retained.

13. *Salt.*—The original estimate under this head, amounting to Rs. 30,000, was raised to Rs. 93,000 in the Financial Resolution, dated the 19th October 1890, to provide for the cost of a shunting line directly connecting the golahs with the East Indian Railway, and for the regrant of Rs. 51,425 for the purchase of Mr. Kilby's patent scales for the weighment of salt. But the total expenditure amounted to Rs. 68,000, the decrease being due to Rs. 29,431 only having been spent in the purchase of new scales.

14. *Provincial Rates.*—The total expenditure under this head exceeded the estimate by Rs. 26,000. The revised estimate now amounts to Rs. 4,06,000.

15. *Police.*—The revised estimate of the Government of India under this head is Rs. 52,58,000, but the total expenditure amounted to Rs. 58,42,155. The increase is due to the inclusion of the charge, amounting to about 5⅛ lakhs, connected with the Chin Lushai expedition incident to the formation of the South Lushai Hills district. The question of final adjustment of these charges is under consideration, and pending its settlement the charges have been eliminated from the Provincial account.

16. *Marine.*—The total expenditure under this head amounted to Rs. 9,40,000, against Rs. 9,16,000, the revised estimate accepted by the Government of India. The increase was under "Pilotage, Pilot establishments and vessels, and Marine establishments."

17. *Education.*—There has been an increase of expenditure under "Government Colleges—both General and Professional" and "Grants-in-aid." The total charges amounted to Rs. 25,25,000, against the estimate of Rs. 24,86,000.

18. *Stationery and Printing.*—The cost of stationery supplied from Central Stores in 1890-91 amounted to Rs. 6,52,000, against Rs. 5,35,000 provided for in the budget, and the total expenditure, Rs. 11,51,000, against Rs. 10,50,000, the estimate passed by the Government of India.

19. *Civil Works in charge of Civil Officers.*—The expenditure under Ferries amounted to Rs. 8,000, against a provision of Rs. 29,000, and the total revised

estimate now stands at Rs. 64,000, against Rs. 94,000, the amount provided in the estimate.

20. *Closing Balance.*—According to the revised estimates now adopted, the closing balance will stand at Rs. 33,77,000, against Rs. 32,61,000 anticipated by the Government of India when passing the estimates for the current year.

BUDGET ESTIMATE, 1891-92.

21. Turning now to the estimates of the current year, as modified by the latest information, the following table shows the estimates of the Government of Bengal as originally framed, the figures accepted by the Government of India, and the estimates which the Lieutenant-Governor has finally resolved to adopt:—

RECEIPTS.	Original estimate of the Government of Bengal.	Estimate passed by the Government of India.	Estimate now adopted.
	Rs.	Rs.	Rs.
Opening balance	30,86,000	33,61,000	33,77,000
Principal Heads of Revenue—			
I.—Land Revenue ... Proper	98,55,000	98,55,000	99,14,000
I.—Land Revenue ... Adjustment ...	—5,000	+31,000	+31 000
III.—Salt	1,50 000	1,50,000	1,35,000
IV.—Stamps	1,08,01,000	1,08,75,000	1,08,75,000
V.—Excise	26,14,000	26,25,000	26,50,000
VI.—Provincial rates	44,02,000	44,02,000	43,27,000
VII.—Customs	76,000	56,000	56,000
VIII.—Assessed taxes	21,00,000	21,00,000	21,00,000
IX.—Forests	3,90,000	3,90,000	4,07,000
X.—Registration	6,00,000	6,25,000	6,35,000
Total .	3,00,62,000	3,11,04,000	3,11,30,000
XII.—Interest	1,74,000	1,74,000	1,74,000
Post-office, Telegraph, and Mint—			
XIV.—Telegraphs	1,000	....	1,000
Receipts by Civil Department—			
XVI.—Law and Justice—			
Courts of Law	8,11,000	8,50,000	8,20,000
Jails	11,05,000	11,05,000	10,00,000
XVII.—Police	4,30,000	4,30,000	4,30,000
XVIII.—Marine	8,93,000	8,93,000	8,93,000
XIX. Education	5,70,000	5,70,000	5,70,000
XX.—Medical	1,51,000	1,50,000	1,41,000
XXI. Scientific and other Minor Departments.	1,54,000	1,54,000	1,80,000
Total ...	41,13,000	41,52,000	40,36,000
Miscellaneous—			
XXII.—Receipts in aid of superannuation ...	68,000	68,000	68,000
XXIII.—Stationery and printing	1,36,000	1,36,000	1,36,000
XXV.—Miscellaneous	7,97,000	7,97,000	7,80,000
Total ...	10,01,000	10,01,000	9,84,000
Railways—			
XXVI.—State Railways (gross earnings) ...	1,27,29,000	1,55,20,000	1,58,20,000
Irrigation—			
XXIX.—Major works (direct receipts)	14,19,000	14,19,000	14,19,000
XXX.—Minor works and navigation—			
By Public Works Department	8,20,000	8,20,000	8,20,000
,, Civil Department	1,03,000	1,03,000	1,03,000
Total ...	23,42,000	23,42,000	23,42,000
Buildings and Roads—			
XXXII.—Civil works—			
By Public Works Department ...	2,30,000	2,30,000	2,30,000
,, Civil Department	2,29,000	2,29,000	2,29,000
Total ...	4,59,000	4,59,000	4,59,000
Contributions	......	......	......
Total ...	5,17,81,000	5,47,57,000	5,49,46,000
GRAND TOTAL ...	5,48,67,000	5,80,18,000	5,83,23,000

EXPENDITURE.	Original estimate of the Government of Bengal.	Estimate passed by the Government of India.	Estimate now adopted.
	Rs.	Rs.	Rs.
Direct demand on the revenues—			
1. Refunds and drawbacks	1,18,000	1,40,000	1,49,000
2. Assignments and compensations .	1,55,000	1,55,000	1,55,000
3. Land Revenue	38,36,000	39,08,000	39,86,000
5. Salt	31,000	31,000	52,000
6. Stamps . . .	4,10,000	4,11,000	4,11,000
7. Excise	1,70,000	1,70,000	1,72,000
8. Provincial rates	3,77,000	3,77,000	3,77,000
9. Customs	5,48,000	5,48,000	5,48,000
10. Assessed taxes	99,000	99,000	97,000
11. Forests	2,27,000	2,35,000	2,41,000
12. Registration	3,22,000	3,22,000	3,22,000
Total .	63,23,000	64,05,000	65,10,000
13. Interest on ordinary debt	1,23,000	1,16,000	1,16,000
Post-office, Telegraph, and Mint—			
16. Telegraphs	1,000	......	1,000
Salaries and expenses of Civil Department—			
18. General Administration	15,73,000	15,73,000	15,73,000
19. Law and Justice—			
Courts of law	85,05,000	85,05,000	84,20,000
Jails	21,96,000	21,96,000	22,07,000
20. Police	53,34,000	53,33,000	54,63,000
21. Marine	8,78,000	8,78,000	8,90,000
22. Education	24,94,000	24,94,000	24 95,000
24. Medical	15,53,000	15,51,000	15,53,000
25. Political	22,000	22,000	22,000
26. Scientific and other Minor Departments	3,07,000	3,07,000	3,10,000
Total .	2,28,62,000	2,28,59,000	2,29,33,000
Miscellaneous—			
29. Superannuation, &c. . ..	15,00,000	15,43,000	15,75,000
30. Stationery and printing	10,18,000	10,18,000	10,18,000
32 Miscellaneous	2,45,000	2,29,000	2,29,000
Total ...	2[illegible],63,000	27,90,000	28,22,000
Famine Relief and Insurance—			
33. Famine Relief	25,000	5,000	5,000
37. Construction of Railways	5 000	5,000	12,000
Railways (Revenue account)—			
38. State Railways—			
Working expenses	62,81,000	87,61,000	87,61,000
Interest on debt	36,73,000	36,89,000	36,89,000
40. Subsidized Companies, Land, &c. ...	10,000	10,000	10,000
41. Miscellaneous Railway expenditure .	78,000	78,000	78,000
Total .	1 00,45,000	1,25,38,000	1,2[illegible],38,000
Irrigation—			
42. Major works—			
Working expenses	14,19,000	14,19,000	14,05,000
Interest on debt	24,25,000	24,08,000	24,08,000
43. Minor Works and Navigation—			
By Public Works Department ...	16,93,000	16,93,000	17,87,000
,, Civil Department	2,000	2,000	2,000
Total ...	55,39,000	55,22,000	56,02,000
Buildings and Roads—			
45. Civil works—			
By Public Works Department ...	40,17,000	37,00,000	43,00,000
,, Civil Department	1,01,000	1,01,000	1,01,000
Total ...	41,18,000	38,01,000	44,01,000
Contributions	8,30,000	8,30,000	8,07,00
Total ...	5,26,34,000	5,48,71,000	5,58,07,000
Closing balance ...	22,33,000	31,47,000	25,16,000
GRAND Total ...	5,48,67,000	5,80,18,000	5,83,23,000
Provincial surplus (+) or deficit (—) ..	—8,53,000	—1,14,000	—8,61,0.0

RECEIPTS.

22. *Land Revenue.*—The Government of India have accepted the estimate of total collections under this head as passed by the Local Government for 1891-92, amounting to Rs. 3,82,50,000, against Rs. 3,88,20,000, the actuals of 1890 91. The collections in the first five months of the current year amounted to Rs. 70,38,000, against Rs. 74,67,000 in the corresponding period of last year. The falling off is due to the arrear demand collected in the first quarter of 1891-92, being Rs. 17,85,164 against Rs. 22,46,426 in the corresponding period of 1890-91. Full allowance had been made for this short collection in the original estimate, which is the same as the contract figure, and will be retained.

	Rs.
*1887-88 ..	3,80.01.000
1888 89 ...	3.73.73,000
1889-90 ...	3,88.82,000
1890-91 ...	3,88.20,000
1891-92 ...	3,82,50,000
Total of 5 years	19,13,26,000
Average per year	3,82,65,000

The average receipts during the quinquennial period covered by the present contract have amounted to Rs. 3,82,65,000,* and for the purpose of the next contract it will not be safe to take a higher figure in fixing the assignment under this head. The percentage on collections from Government estates for their management and improvement has been raised from 10 to 12 under orders of the Government of India, Home Department, No. 196, dated the 29th May 1891, in order to provide for sanitary improvements in villages, and the estimate under this head has accordingly been raised from Rs. 3,90,000 to Rs. 4,68,000. The Provincial share of Land Revenue (proper) will therefore amount to one-fourth of (Rs. 3,82,50,000 - 4,68,000) + Rs. 4,68,000, or Rs. 99,14,000 against Rs. 98,55,000, the original estimate. The adjustments between Provincial and Imperial according to the estimate of the Government of India will afford a net credit for Rs. 31,000 to the former, and in the absence of any later information, this figure will be retained. The details are as follows:—

Transfers—	Rs.
From Imperial to Provincial—	
Interest on exchange added to Capital Account	93,000
For Shahjehanpore rum	36,000
For Hidgellee Canal	3,07,000
Inter-provincial adjustment	82,000
Half of the costs of the special branch of the Police Office	5,000
For two Custom House Appraisers	8,000
Conservation of ancient monuments	1,000
Additional assignment for carrying out provision of the Petroleum Act II of 1880	4,000
Additional grant for the Eastern Bengal Railway Police	41,000
On account of all ordinary political charges	21,000
Assignment for Calcutta Police	2,00,000
For new method of testing the strength of imported spirits	3,000
For up-keep of the *Rhotas*	9,000
	+8,09,000
From Provincial to Imperial —	
Adjustment under the Contract	6,90,000
Adjustment for ganja exported	21,000
For Forest Survey charges	8,000
For duty on rum exported to Assam...	10,000
On account of the new classification of rewards out of criminal fines in Excise and Stamps cases	40,000
Interest on Hidgellee Canal	14,000
	(—) 7,78,000
Net Transfers ...	+31,000

23. In addition to these adjustments, an application has been made to the Government of India for an assignment of Rs. 11,000 on account of additional remuneration paid to Mr. J. C. Macgregor, Receiver of the High Court, equal to three-tenths of the net profits derived by Government from the receipts of his office. Additional grants have also been asked for to meet the increase of charges under survey and settlements over the contract allotment for five years from 1887-88 to 1891-92, and for improvements in the Judicial Service effected by increasing the number of Subordinate Judges and Munsifs. Pending the orders of that Government, no credit has been taken for these sums.

24. *Salt.*—The receipts during the first five months of 1891-92 amounted to Rs. 49,387, against Rs. 50,633 obtained in the corresponding period of 1890-91. The total receipts in last year amounted to Rs. 1,28,000, and although some increase is anticipated from the improvements in the Sulkea Golah when com-

pleted, the Lieutenant-Governor does not think that it will be safe to place the estimate for the current year at a higher figure than Rs. 1,35,000, which has accordingly been adopted, against Rs. 1,50,000 originally estimated.

25. *Stamps.*—The total revenue from stamps has been estimated at Rs. 1,45,00,000, showing an increase of Rs. 2,52,000 over the approximate actuals of last year which amounted to Rs. 1,42,48,000. The Comptroller-General's latest statement shows that the receipts during the first five months of the current year have exceeded those of the corresponding period of last year by Rs. 4,42,000, and the increase is almost entirely under court-fees; but looking to the prospects of the season, the Lieutenant-Governor does not think it safe to provide for a larger increase than has already been allowed for in the estimate of the Government of India, which will accordingly be retained. The Provincial share will amount to Rs. 1,08,75,000.

26. *Excise.*—The original estimate of receipts under this head for 1891-92 amounts to Rs. 1,05,00,000, against Rs. 1,04,65,000, the revised figure for 1890-91, as it now stands. The result of the recent settlement of excise shops for 1891-92 shows an increase of more than two lakhs in "License fees" as compared with that of the last year. The estimate will be raised to Rs. 1,06,00,000, and the Provincial share to Rs. 26,50,000.

27. *Provincial rates.*—The following statement compares the receipts under his head in past years :—

	1887-88.	1888-89.	1889-90.	1890-91.	Estimate, 1891-92.
	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Public Works cess ...	38,20,000	37,98,000	39,12,000	38,94,000	40,00,000
(2) General management of Wards' Estates	1,03,000	90,000	82,000	71,000	82,000
(3) Recoveries from District Funds of the proportionate cost of establishment for collecting cess ..	3,14,000	2,68,000	3,12,000	3,55,000	3,20,000
Total ...	42,37,000	41,56,000	43,06,000	43,20,000	44,02,000

28. The latest returns submitted by district officers show an increase of about Rs. 16,000 under "Public Works Cess" collections in the first five months of the current year as compared with those of the corresponding period of last year. The actuals in 1890-91 amounted to Rs. 38,94,000. The estimate of Public Works cess for the current year will be placed at Rs. 39,25,000, and the total at Rs. 43,27,000. The recoveries from District Funds of the cost of collecting Road cess amounted to Rs. 3,55,000 in 1890-91, but as these erroneously included in some cases arrear contributions for pensions of Government officers transferred to District Boards, the original estimate of Rs. 3,20,000 for the current year has been retained.

29. *Customs.*—The estimate under this head amounts to Rs. 56,000, against Rs. 58,000, the latest estimate for 1890-91. The average of the past four years amounts to Rs. 55,000. The estimate will be retained.

30. *Assessed Taxes.*—Both the revised estimate for 1890-91 and the estimate for 1891-92, as passed by the Government of India, amount to Rs. 42,00,000. The actual receipts in 1890-91 amounted to Rs. 42,39,000, but the collections in the first five months of the current year show a decrease of Rs. 2,02,000 as compared with those of the corresponding period of last year. The decrease is mainly in Calcutta and in the Dacca Division. It would perhaps be premature to assume that the collections will not come up to the estimate of the Government of India, though it is unlikely that the amount realized last year will be obtained. The estimate of the Provincial share will accordingly stand at Rs. 21,00,000.

31. *Forests.*—The Conservator of Forests anticipates an increase of Rs. 35,000 over the sanctioned estimate in consequence of 3,000 standing sâl trees supplied to the Bengal-Nagpore Railway. The Provincial share has accordingly been raised from Rs. 3,90,000 to Rs. 4,07,000.

32. *Registration.*—The estimate under this head amounts to Rs 12,50,000, against Rs. 12,39,000, the approximate actuals of 1890-91. The actuals in the first five months of the current year show an increase of Rs. 31,000 over those of the corresponding period of last year; but looking to the prospects of the season, the Lieutenant-Governor is not sure that this rate of increase will be maintained throughout the year. The estimate will, however, be raised to Rs. 12,70,000 and the Provincial share will stand at Rs. 6,35,000.

33. *Law and Justice.—Courts of Law.*—The Government of India placed both the revised estimate for 1890-91 and the estimate for 1891-92 at Rs. 8,50,000. The receipts in 1890-91 were Rs. 8,96,000, but these included a special credit of Rs. 58,000, paid into the Purneah treasury on account of the value of Court-fee stamps. The receipts in the first five months of the current year show a decrease of Rs. 20,000 as compared with those of the corresponding period of last year. Looking to all the circumstances, the Lieutenant-Governor would place the estimate at Rs. 8,20,000.

33. *Jails.*—The original estimate under this head amounts to Rs. 11,05,000 against Rs. 8,50,000, the latest estimate for 1890-91. The receipts in the first five months of the current year show an increase of Rs. 41,000 only over those of the corresponding period of last year; and although the recent orders of the Secretary of State will lead to a larger supply of the requirements of the public consuming departments by the Jail Department, the experience of past years does not justify a provision for a larger increase than a lakh and a half over the receipts for the current year. The estimate will be placed at Rs. 10,00,000.

34. *Police.*—The latest revised estimate for 1890-91 stands at Rs. 4,56,000. The receipts during the first five months of the current year show a decrease of Rs. 31,000 as compared with those of the corresponding period of last year. The estimate of the Government of India, amounting to Rs. 4,30,000, will be retained.

35. *Medical.*—The receipts under this head in 1890-91 amounted to Rs. 1,43,000. The same figure will stand as the estimate for the current year.

36. *Scientific and other Minor Departments.*—The receipts under this head in 1890-91 amounted to Rs. 1,77,000, and in the first five months of the current year show an increase of Rs. 38,000 over those of the corresponding period of last year. Some slight increase is also anticipated from the extension of the supply of quinine from Government factory to municipal and other local dispensaries, which at present buy the drug at a higher price than is charged for the Government preparation. The estimate will be raised from Rs. 1,54,000 to Rs 1,80,000.

37. *Superannuations.*—The estimate of receipts under this head for 1891-92 amounts to Rs. 68,000, against Rs. 1,26,000, the revised estimate for 1890-91 as it now stands. The receipts of last year comprised arrear contributions received on account of the employés of District Boards whose services had been declared to be qualifying for pension. But these contributions are subject to refunds in consequence of the recent orders of the Government of India, under which no contributions are payable by the officers of the Education Department who have been transferred to District Boards along with the schools to which they were attached. The original estimate will be retained.

38. *Miscellaneous.*—The estimate of receipts amounts to Rs. 7,97,000, against Rs. 7,69,000, the approximate actuals of 1890-91. The receipts in the first five months of the current year show a decrease of nearly Rs. 45,000 as compared with those of the corresponding period of last year. Judged by this standard, the estimate might be reduced to Rs. 7,50,000. But as a sum of Rs. 30,000 has just been paid by Baboo Shew Bux Bogla in aid of the proposed establishment of a veterinary school and hospital for cattle in the vicinity of Calcutta, the estimate will be placed at Rs. 7,80,000.

39. *Railways.*—The following statement compares the estimate of the Government of India with the latest estimate for 1890-91:—

	1890-91. Latest estimate.	1891-92. Estimate passed by the Government of India.
RECEIPTS—	Rs.	Rs.
Eastern Bengal	76,72,503	72,05,000
Other sections of the Eastern Bengal System	45,28,613	42,95,000
Total Eastern System ...	1,22,01,116	1,15,00,000
Nalhati	1,00,084	1,00,000
Tirhoot	6,19,828	51,00,000
Tirhoot and Bengal and North-Western Railways	33,37,719	
Total	1,62,58,747	1,67,00,000

	1890-91. Latest estimate.	1891-92. Estimate passed by the Government of India.
	Rs.	Rs.
EXPENDITURE—		
Eastern Bengal	31,13,055	30,25,000
Other sections of the Eastern Bengal System	23,[illegible]	21,50,000
Total Eastern System ...	54,22,053	51,75,000
Nalhati	78,317	86,000
Tirhoot	2,48,107	......
Tirhoot and Bengal and North-Western Railway—		
Working expenses ...	14,53,367	20,50,000
Company's share of net receipts	*9,39,162	14,50,000
Total ...	81,41,006	87,61,000
NET RECEIPTS—		
Eastern Bengal	45,59,448	41,80,000
Other sections of the Eastern Bengal System	22,19,615	21,45,000
Total Eastern System ...	67,79,063	63,25,000
Nalhati	21,767	14,000
Tirhoot	3,71,721	16,00,000
Tirhoot and Bengal and North-Western Railway	9,45,190	
Total ...	81,17,741	79,39,000
Deduct—		
Excess of net receipts of the Eastern Bengal over the contract assignment of 30 lakhs ...	15,59,448	11,80,000
Total net receipts ...	65,58,293	67,59,000
Add—		
For loss to Provincial revenues by the transfer of the Tirhoot line to the Bengal and North-Western Railway ...	2,24,334	......
Total Provincial Receipts ...	67,82,627	67,59,000

* This share for nine months has been adjusted under Land Revenue in the accounts of 1890-91.

The high receipts of 1890-91 were due to the influx of coaching traffic on the occasion of the Ardhodoya Joga bathing festival in the latter part of the year, which is not expected to occur in the current year. The returns from the Examiners of Accounts show but a small increase in the receipts of the Eastern Bengal System, but present more favourable results on the Tirhoot and Bengal and North-Western Railways. There are, however, no sufficient materials to justify any alteration of the estimates so as to affect the Provincial share of net receipts; but a credit for three lakhs will be taken provisionally under this head for the loss to the Provincial revenues caused by the transfer of the management of the Tirhoot line to the Bengal and North-Western Railway Company for which no provision was made in the original estimate. As has been stated in paragraph 10 above, the Government of India have been specially addressed on this point, and the Lieutenant-Governor has expressed his readiness to accept their decision as to the method in which the loss to Provincial revenues should be calculated. For the purposes of the estimate dealt with in this Resolution, it is, however, necessary to assume a definite figure, and the estimate of Provincial gross receipts has accordingly been taken, subject to the results of the reference which has been made to the Government of India, at Rs. 1,67,00,000+3,00,000—11,80,000=Rs. 1,58,20,000.

40. *Irrigation, Major Works.*—The latest revised estimate for 1890-91 amounts to Rs. 13,47,000, and the estimate for the current year Rs. 14,19,000.

The receipts in the first three months of the current year show an improvement of Rs. 33,000 over those of the corresponding period of last year. The estimate will be retained.

41. *Civil Works.*—The average ordinary receipts of the Public Works Department amount to Rs. 1,50,000. A special credit for Rs. 80,000 has been allowed under this head on account of the contribution payable by the Darjeeling-Himalayan Railway Company towards the maintenance of the Hill Cart Road out of their surplus profits for the two years ending 30th June 1891. The estimate for 1891-92 therefore stands at Rs. 2,30,000.

EXPENDITURE.

42. *Land Revenue.*—The original estimate of the Local Government amounts to Rs. 38,36,000, which has been raised by the Government of India by Rs. 72,000 to provide for increased expenditure under survey and settlement charges. The estimate has further been raised by Rs. 78,000, being the 2 per cent. on collections from Government estates for sanitary improvements. The estimate now stands at Rs. 39,86,000.

43. *Salt.*—The estimate under this head, amounting to Rs. 31,000, has been raised by Rs. 21,994, being the amount of regrant of the unspent allotment sanctioned last year for the purchase of Kilby's salt-weighing scales in Calcutta. The total grant will stand at Rs. 52,000.

44. *Excise.*—The Government of India have adopted the estimate under this head as passed by the Local Government, amounting to Rs. 6,81,000. The estimate includes the necessary provision for the salary of 21 Deputy Collectors now employed on special Excise duty in Bengal. There is, however, no provision for the travelling allowance and other charges of the two Deputy Collectors employed as Inspectors of Excise, and for other small increases of establishments sanctioned in the several districts. The establishment of the Excise Department is under revision, but pending final orders the estimate will be placed at Rs. 6,88,000 to meet the new charges mentioned above. The Provincial share will stand at Rs. 1,72,000.

45. *Assessed Taxes.*—The estimate under this head provides for the salary of a separate Collector of Income-tax in Calcutta. As there is no probability of the new appointment being made during the current year, the estimate will be reduced from Rs. 1,98,000 to Rs. 1,93,000. The Provincial share will stand at Rs. 97,000.

46. *Forests.*—The Government of India have raised the original estimate under this head by Rs. 15,000 to provide for changes in the staff sanctioned by the Secretary of State. The total grant stands at Rs. 4,69,000. The Conservator has asked for the regrant of Rs. 14,000 for the cost of a steamer for the Sunderbuns Division, which was provided for in last year's budget, but which could not be utilized in that year, as the Marine Department could not comply with the requisition. The Provincial grant will be raised from Rs. 2,35,000 to Rs. 2,41,000

47. *Interest on Ordinary Debt.*—The estimate of loans and advances sanctioned by the Government of India places Rs. 25,06,000 at the disposal of the Local Government, including the opening balance of 1890-91, and provides for net outgoings of Rs. 7,79,000. The closing balance at the end of the year is thus estimated at Rs. 32,85,000, and the mean balance at Rs. 28,95,000. Interest at 4 per cent. on this amounts to Rs. 1,15,800, and Rs. 1,16,000 has been taken as the amount payable to the Government of India during the current year. Pending the submission of revised estimates for the current year which are under preparation, the original estimate will be retained.

48. *Law and Justice, Courts of Law.*—The estimate passed by the Government of India amounts to Rs. 85,05,000, against Rs. 82,39,000, the latest estimate for 1890-91. The estimate for the current year includes the following provisions:—

	Rs.
6 Additional Subordinate Judges, 2 on Rs. 800 and 4 on Rs. 600	48,000
55 Additional Munsifs (5 on Rs 400, 10 on Rs. 300, 15 on Rs. 250 and 25 on Rs. 200)	1,65,000
Establishment of Additional Subordinate Judges	6,000
Ditto ditto Munsifs	36,000
Contract contingencies of ditto	5,000
For improvement of the ministerial establishment of Civil Courts	50,000
Fifth Judge of the Calcutta Small Cause Court	12,000

It has been decided to sanction four extra Subordinate Judges, or one in addition to the three now temporarily employed, of which one officer will be in the second grade on Rs. 800, and the other three in the third grade on Rs. 600 each per mensem. The annual cost will be Rs. 31,200. A reduction of Rs. 16,800 will therefore be made under this sub-head. A reduction of Rs. 4,000 will also be made on account of establishment of the two Additional Subordinate Judges not sanctioned by the Government of India. As regards additional Munsifs, the Government of India have decided to sanction the full number but to place them in the following grades:—

			Now employed.	New appointments sanctioned.
First grade	...	...	(400)—75	...
Second "	...	...	(300)—70	5
Third "	...	...	(250)—65	10
Fourth "	...	...	(200)—20	40
	Total	...	235	55

The salary of the 55 officers sanctioned by the Government of India amounts to Rs. 1,44,000, against Rs. 1,65,000 provided for in the budget. A reduction of Rs. 21,000 will be made on this account. The Extra Small Cause Court Judge, Calcutta, temporarily sanctioned, is still employed in the Court, and no saving can be expected on this account. Final orders have since been passed regarding the improvement of the ministerial establishment of the Civil Courts recommended by Messrs. Stevens and Toynbee, and it has been decided that Rs. 5,000 will be sufficient provision to make on this account during the current year. Taking these reductions into account, the Lieutenant-Governor considers that Rs. 84,20,000 may fairly be taken as the revised estimate for the current year.

49. *Jails.*—The estimate passed by the Government of India amounts to Rs. 21,96,000, against Rs. 20,40,000, the latest estimate for 1890-91. The estimates of receipts and expenditure under this head are compared below with the actuals of the preceding years—

		1887-88.	1888-89.	1889-90.	Latest Estimate. 1890-91.	Budget Estimate. 1891-92.	Estimate now proposed. 1891-92.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Jails ...	Receipts ...	4,000	8,000	2,000	3,000	5,000	5,000
	Expenditure ...	10,02,000	11,47,000	13,15,000	12,52,000	12,96,000	13,80,000
	Net Expenditure ...	9,98,000	11,39,000	13,13,000	12,49,000	12,91,000	13,75 000
Manufactures..	Receipts ...	7,06,000	7,67,000	8,57,000	8,47,000	11,00,000	9,95,000
	Expenditure ...	5,29,000	6,49,000	5,84,000	7,88,000	9,00,000	8,30,000
	Net Receipts ...	1,77,000	1,18,000	2,73,000	59,000	2,00,000	1,65,000

The estimate provides for a net expenditure of Rs. 12,91,000 under Jails and for net receipts of Rs. 2,00,000 from Jail manufactures. Looking, however, to the great increase of jail population that has taken place during the last six months, the Lieutenant-Governor thinks it will be necessary to raise the net grant for Jails to Rs. 13,75,000, a net credit for Rs. 1,65,000 being taken on account of the proceeds of Jail manufactures as shown in the last column of the table above. The estimate of expenditure on Jails and Manufactures together will thus amount to Rs. (13,80,000 + 8,30,000 =) 22,10,000. But this will be raised by Rs. 700 to meet the cost of constructing a latrine for the convicts employed at the Presidency Jail Press, and reduced by Rs. 3,757, the amount made over to the Public Works Department for the construction of a corrugated iron shed at that Jail. The grant for the year will stand at Rs. 22,07,000.

50. *Police.*—The estimate of the Government of India, amounting to Rs. 53,33,000, has been raised by Rs. 1,30,000 to provide for the following

charges recently sanctioned for the improvement of the police on the recommendation of the Police Commission:—

(a) Raising the pay of the constables in the Presidency, Burdwan, Rajshahye, Dacca, and Chittagong Divisions from Rs. 6 to Rs. 7 each per mensem.
(b) Granting a free kit and increasing the clothing allowance.
(c) Abolishing deductions for superannuation fund.

The grant will stand at Rs. 54,63,000, which will be exclusive of any new charges for the Lushai country to be met from any special allotment for the purpose. An estimate of these charges is under consideration.

51. *Marine.*—The latest estimate under this head for 1890-91, amounting to Rs. 9,40,000, includes grants of Rs. 20,000 to each of the Balasore and Cuttack and Pooree Port Funds. The original estimate for the current year is Rs. 8,78,000, and includes a grant of Rs. 10,000 to the Port Funds. This estimate will be raised by Rs. 12,000 to meet the cost of the repairs of the yacht *Rhotas* which have not been fully provided for in the budget. The revised estimate will then stand at Rs. 8,90,000.

52. *Education.*—The estimate under this head, amounting to Rs. 24,94,000, has been reduced by Rs. 6,684, and a corresponding grant has been made to the Public Works Department for additions and alterations to the Darjeeling, Dumka, and Khulna Zillah School buildings, and for the repairs to the Goluckpore house at Bankipore for the Patna Survey School. Against this reduction an additional grant of about Rs. 8,000 has been made for regrants of undrawn building grants for 1890-91. The total grant now stands at Rs. 24,95,000.

53. *Medical.*—The estimate passed by the Government of India will be raised by Rs. 2,000 for the establishment of an out-door dispensary for the Campbell Medical Hospital. The revised estimate will stand at Rs. 15,53,000.

54. *Scientific and other Minor Departments.*—The estimate under this head has been reduced by Rs. 4,789, and a corresponding grant has been sanctioned to the Public Works Department for the completion of the quarters of the Curator of the Herbarium in the Royal Botanic Garden at Sibpur. On the other hand, the Government of India having discontinued their grant of Rs. 2,500 on account of sericultural experiments in Bengal, the amount has been made good by a corresponding grant from the Provincial revenues. A special grant of Rs. 5,000 will also be made for the improvement of the roads and walks in the Botanic Garden. The estimate now stands at Rs. 3,10,000.

55. *Superannuations.*—The estimate under this head amounts to Rs. 15,43,000. The actual charges in past years amounted to—

		Increase.	
	Rs.	Rs.	Rs.
1886-87	12,68,000	... .	
1887-88	12,80,000	12,000	
1888-89	13,70,000	90,000	
1889-90	14,36,000	66,000	
1890-91	15,14,000	78,000	
1891-92 ... ... (estimate)	15,43,000	———	2,46,000

The increase in the last four years amounted to Rs. 2,46,000, or an average of Rs. 61,000 a year. The actuals in the first five months of the current year show an increase of Rs. 41,000 over those of the corresponding period of last year, and justify the estimate being raised to (Rs. 15,14,000 + 61,000=) Rs. 15,75,000.

56. *Construction of Railways.*—An additional grant of Rs. 6,856 has been sanctioned for the erection of certain bridges and embankments for the safety of the Kaunia-Dhurla State Railway line, which has raised the estimate from Rs. 5,000 to Rs. 12,000.

57. *Minor Works and Navigation by Public Works Department.*—An additional grant of Rs. 80,000 has been sanctioned to the Public Works Department to meet the cost of the following urgent works—(1) Godagari road embankment; (2) removing embankments on the right bank of the Damuda; (3) tug for the Midnapore Canal; (4) survey of Gogra river; and (5) construction of a retired line for the safety of the Chumparun embankment. A transfer of Rs. 14,000 has also been made from Major to Minor Works, and the estimate now stands at Rs. 17,87,000.

58. *Civil Works.*—The grant for Provincial Civil Works for the current year was originally fixed at Rs. 37,00,000, and the preliminary budget was prepared for that sum, but subsequently in a letter from the Public Works Department of this Government, No. 540A., dated the 20th February 1891, the Public Works Department of the Government of India were requested to raise the estimate by Rs. 3,17,000, being the proceeds of a portion of the site of the Custom House buildings sold to the East Indian Railway Company and credited to Provincial revenues in the accounts of 1890-91, on the distinct understanding that the amount would be spent on the erection of a new building for the Calcutta Collectorate and for the improvement of the Custom House. The amount was also included in the statement of alterations in the estimates submitted to the Finance and Commerce Department in this Department letter No. 1299, dated the 9th March 1891. The works have already been taken in hand, and the amount will be placed at the disposal of the Public Works Department. A further grant of Rs. 2,00,000 will be required for the extension of the Park Street cemetery in Calcutta, the construction of a Veterinary School and Hospital, the building of a combined zillah and Bhutea school at Darjeeling and other urgent unforeseen charges not provided for in the estimate. This and other small additions already made have raised the grant to Rs. 43,00,000, thus—

	Rs.	Rs.
As provided in the estimate of the Government of India		37,00,000
Add—		
For the construction of a subsidiary jail at Thakoorgaon in Dinagepore	5,000	
For the completion of the quarters of the Curator of the Botanic Garden, Sibpur	4,789	
For additions and alterations to the Darjeeling zillah school building ...	1,448	
For additions and alterations to the Dumka zillah school building	276	
For the construction of a new building for Khulna zillah school	3,360	
For the repairs to the Goluckpore House at Bankipore for the accommodation of the Patna Survey school	1,600	
For the construction of a corrugated iron shed in the Alipore Jail	3,757	
For the purchase of a building for the accommodation of the Deputy Superintendent, Lock Hospital, Alipore	2,000	
For the construction of the Calcutta Collectorate, &c.	3,17,000	
For construction of Lebong Road	25,000	
For Terai Section of Hill Cart Road, Darjeeling ...	10,000	
For Durbar Hall, Darjeeling	15,000	
For increase to stock	5,000	
For minor works, Jails	10,000	
For the extension of Park Street cemetery and other works	2,00,000	
		6,04,230
	Total	43,04,230
Deduct—		
Amount transferred to the District Board of Hooghly for the completion of the bridge over the Kunti Khall on the Grand Trunk road at Mugrah	...	3,800
Total	...	43,00,430
or in round numbers ...		43,00,000

59. *Contributions.*—The grants made to several District Boards to establish equilibrium between the receipts and charges transferred to their management amount to Rs. 4,44,735, and the special grants made to certain Boards for the

maintenance of roads transferred to their charge amount to Rs. 2,45,720. The following further grants have also been sanctioned for the current year:—

	Rs.	Rs.
District Board, Hooghly, for a bridge ...	3,800	
Ditto, Julpigoree, for roads ...	14,000	
Ditto, Balasore, for roads	8,200	
Ditto, Gya, for the support of the Arwal dispensary	600	
District Board, 24-Pergunnahs, for the erection of the Diamond Harbour dispensary ...	3,500	
District Board, Jessore, for arrears of contribution not drawn	21,494	
District Board, Shahabad, for Government share of the cost of cess revaluations	851	
District Board, Moorshedabad, for Government share of the cost of cess revaluations ...	1,853	
District Board, 24-Pergunnahs, for the Diamond Harbour Road subject to reduction of Rs. 6,000 a year from the fixed grant for the next 5 years	30,000	
		84,298

The grants to the District Road Funds amount to Rs. 8,148 and to the non-cess districts Rs. 59,000. These make a total of Rs. 8,41,901; and as some provision is necessary to meet unforeseen demands, such as the payment of arrears of contribution, the estimate under this head has been raised from Rs. 8,30,000 to Rs. 8,67,000.

60. *Closing balance.*—According to the estimate passed by the Government of India, it was expected that the year would close with a credit balance of Rs. 31,47,600. According to the estimate now adopted, the closing balance will be Rs. 25,16,000, against an opening balance of the year amounting to Rs. 33,77,000.

61. The following statement shows in a compact form the result of the operations of the five years' contract which expires with the current year, and their effect on the Provincial revenues of Bengal:—

Receipts in thousands of rupees.									Outgoings in thousands of rupees.							
Contract assignments.			Actuals of three years, 1887-88 to 1889-90.	Latest estimate, 1890-91.	Estimate, 1891-92.	Total of five years.	Net result, more (+) or less (−).	Budget heads.	Contract assignments.			Actuals of three years, 1887-88 to 1889-90.	Latest estimate, 1890-91.	Estimate, 1891-92.	Total for five years.	Net result, more (+) or less (−).
Annual.	For three years.	For five years.							Annual.	For three years.	For five years.					
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2,91,71	8,75,13	14,58,55	9,06,38	3,09,06	3,10,99	15,26,43	+67,88	Principal heads of revenue.	53,15	1,59,45	2,65,75	1,72,65	61,77	65,10	2,99,52	(+)33,77
					31	31	+31	Adjustments ...	6,80	20,07	34,45	5,81	21,80	......	27,61	(−)6,84
73	2,19	3,6.	2,08	91	1,74	5,33	+1,68	Interest	......	......	......	1,13	83	1,16	3,12	(+)3,12
			3	1	1	5	+5	Telegraphs	1	3	5	3	1	1	5	......
39,40	1,18,20	1,97,00	1,12,42	40,11	40,36	1,92,89	−4,11	Civil Department...	2,18,65	6,55,95	10,93,25	6,50,70	2,25,05	2,29,33	11,05,08	(+)11,83
9,00	27,27	45,45	29,86	11,89	9,84	51,59	+6,14	Miscellaneous ..	26,61	79,83	1,33,05	79,72	28,01	24,22	1,30,85	(+)3,80
......	......	......	......	......	......	......	......	Famine relief ...	......	......	......	1,89	13	5	2,07	(+)2,07
......	......	......	......	......	......	......	......	Construction of railways.	...	......	......	−12	13	12	13	(+)13
1,00,19	3,00,57	5,00,95	3,55,12	1,49,24	1,58,20	6,62,56	+1,61,61	Railways (Revenue Account).	87,63	2,62,89	4,38,15	2,80,38	1,08,68	1,25,38	5,14,44	(+)76,29
22,74	68,22	1,13,70	68,44	22,85	23,42	1,14,71	+1,01	Irrigation (Revenue Account).	45,69	1,37,07	2,28,45	1,57,14	52,48	56,02	2,65,64	(+)37,19
7,50	22,50	37,50	14,47	7,36	4,59	26,42	−11,08	Civil works	31,14	93,42	1,55,70	1,01,86	35,70	44,01	1,81,07	(+)25,37
......	......	......	......	......	......	......	......	Contributions ...	1,59	4,77	7,95	21,04	8,04	8,67	39,55	(+)31,60
4,71,36	14,14,08	23,56,80	14,80,40	5,41,43	5,49,46	25,80,29	+2,23,40	Total ..	4,71,36	14,14,08	23,56,80	14,72,63	5,44,43	5,58,07	25,75,13	(+)2,18,33
......	......	......	......	......	......	......	......	Surplus (+) or deficit (−).	......	......	......	(+)16,77	(−)3,00	(−)8,61	(+)5,16	......

62. The result of the first three years, of which the accounts have been finally closed, shows a net improvement of Rs. 37,06,000 under Railways (Revenue Account), of Rs. 18,05,000 under Revenue Heads, and of Rs. 2,70,000 under Miscellaneous; while the net expenditure on Civil Works and Irrigation exceeded the contract assignment by Rs. 15,97,000 and Rs. 19,85,000 respectively, exclusive of the grants made to District Boards amounting to Rs. 3,59,000 for maintenance of provincial roads transferred to their management. In Civil Departments the net increase of expenditure on General administration was Rs. 49,000; on Judicial Courts, Rs. 1,02,000; Jails, Rs. 2,35,000; Police, Rs. 17,08,000; Marine, Rs. 6,04,000; and Medical, Rs. 1,01,000. Against these increases there has been a net decrease of Rs. 26,64,000 under Education, of which about Rs. 3,00,000 represent a real improvement in receipts, and the

balance, Rs. 23,64,000, is more than counterbalanced by grants to the District Boards concerned.

Against the large increase under Irrigation, Police and Marine, the Government of Bengal received grants-in-aid of Rs. 5,40,000, Rs. 3,23,000 and Rs. 1,91,000 respectively from Imperial Revenues, while a sum of Rs. 1,89,000 was spent on Famine relief without any assignment. The net result of the three years was an improvement of Rs. 16,77,000 over the contract assignment, and the balance at the disposal of the Provincial Government rose from Rs. 20,00,000 on 1st April 1888 to Rs. 36,77,000 on the 31st March 1890.

63. The accounts of the last two years have been unduly swollen by the inclusion of the transactions of the Bengal and North-Western Railway from 1st July 1890, and the provision for the payment of its net receipts to the Directors of that railway. The net gain to the Provincial Government from Railways in these two years amounted to Rs. 48,26,000—Rs. 9,39,000 – Rs. 38,87,000, over the contract assignment; and of Rs. 16,06,000 in revenue heads. But the excess expenditure on Civil heads amounted to Rs. 15,41,000; on Irrigation Works Rs. 16,33,000; on Civil Works Rs. 20,48,000; and Miscellaneous Rs. 36,000. The grants to local funds amounted to Rs. 14,43,000 in excess of the assignment provided for in the contract between Imperial and Provincial, and the net result of the two years' transactions is a reduction of the Provincial balance by Rs. 11,61,000. The net improvement in five years amounts to Rs 5,16,000.

ORDER.—Ordered that a copy of this Resolution be submitted to the Government of India, Department of Finance and Commerce, for information.

Ordered also that a copy of the above Resolution be forwarded to the Board of Revenue; to all Commissioners of Divisions; to the Accountant-General; to the Inspectors-General of Civil Hospitals, Police, Jails, and Registration; to the Directors of Public Instruction and Land Records and Agriculture; to the Conservator of Forests; to the Port Officer, Calcutta; to the Superintendents of Royal Botanic Garden, Calcutta, and Government Printing, Bengal, and to all Departments of this Government, for information.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secy. to the Govt. of Bengal.

DISTRICT ROAD FUND.

No. 3006R.C.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Road Cess.

Dated Calcutta, the 20th October 1891.

RESOLUTION.

READ—

Letter from the Accountant-General, Bengal, No. 580L F., dated the 28th September 1891 submitting an abstract of receipts and expenditure of the several District Road Committees in Bengal for the quarter ending 30th June 1891.

RESOLUTION.—The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees in Bengal for the first quarter of the year 1891-92 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER.—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette.*

Ordered also that a copy of this Resolution, and of the abstract referred to, be forwarded to the Commissioners of the Rajshahye, Bhagulpore, Chittagong, and Chota Nagpore Divisions; to the Superintending Engineers of the Eastern and Western Circles; and to the Financial Department of this Government for information.

By order of the Lieutenant-Governor of Bengal,

F. J. JOHNSTONE,

Joint-Secretary to the Govt. of Bengal.

DISTRICT

Statement of Receipts and Expenditure of the several District Road ...

RECE

Districts.	Balance in treasury on 1st April 1891.	Provincial Rates.				Interest on arrears of road cess.	Public Works.			Irrigation.	Miscel	
		Cess on lands.	Cess on mines.	One per cent. road cess.	Total.		Road tolls.	Ferry tolls.	Total.	Canal tolls.	Rent of serais and staging-bungalows.	Fees, fines and forfeitures.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.
Cess Districts.												
Darjeeling ...	13,104 11 9	2,137 12 5	61 8 11	......	2,199 5 4	......	......	......	......	......	......	......
Hazaribagh ...	26,166 10 11	13,301 13 2	0 6 0	......	13,302 3 2	111 6 6	......	......	......	......	......	155 6 0
Lohardugga ...	33,886 [illegible] 2	4,96[illegible] 14 9	.....	......	4,960 14 9	57 4 0	......	......	......	......	30 6 10	1,124 7 0
Manbhoom ...	10,761 0 3	6,423 4 7	84 13 11	......	6,508 2 6	40 6 7	......	......	......	......	487 13 3	9 0 0
Total ...	83,911 15 1	26,823 12 11	146 12 10	......	26,970 9 9	209 3 7	......	......	......	......	518 4 1	1,288 13 0
Non-Cess Districts.												
Chittagong Hill Tracts ...	10,027 5 0	......	......	......	......	......	......	......	......	......	......	......
Sonthal Pergunnahs	28,213 11 11	......	......	......	......	......	......	......	......	......	33 8 0	......
Singbhoom ...	7,068 8 2	19 1 0	......	......	19 1 0	......	......	......	......	......	......	......
Total ...	45,309 9 10	19 1 0	......	....	19 1 0	......	......	......	......	......	33 8 0	......
Grand Total ...	1,29,221 8 11	26,842 13 11	146 12 10	....	26,989 10 9	209 3 7	......	......	.....	......	551 12 1	1,288 13 0

EXPEN

District	Refunds.			Provincial Rates.	Administration.			Stationery.	Public				
	Cess.	Other receipts.	Total.	Establishment and contingencies of office of collection.	Establishment and contingencies of Committee's office.	Percentage cost of establishment for offices of account and control.	Total.	Stationery and printing.	Original works.	Repairs.	Establishment.	Tools and plant.	Toll and ferry establishment and contingencies.
	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Cess Districts.													
Darjeeling ...	....	......	......	316 12 0	344 6 0	......	344 6 0	......	......	2,073 9 7	70 0 0	......	......
Hazaribagh ...	......	30 0 0	30 0 0	1,742 6 2	272 10 0	......	272 10 0	70 2 10	62 3 10	3,248 5 7	1,974 7 9	......	......
Lohardugga ...	......	.....	......	2,352 7 5	490 3 9	...	490 3 9	1 12 0	105 0 0	1,138 4 1	2,043 0 0	......	......
Manbhoom ...	......	9 0 0	9 0 0	269 14 6	357 7 2	......	357 7 2	101 12 3	......	2,959 0 3	1,816 12 2	......	......
Total ...	...	39 0 0	39 0 0	4,681 8 1	1,464 10 11	......	1,464 10 11	173 11 10	167 3 10	9,410 3 6	5,904 3 11	......	......
Non-Cess Districts.													
Chittagong Hill Tracts ...	......	......	......	......	27 5 9	......	27 5 9	38 3 5	......	247 8 3	1,214 13 9	......	......
Sonthal Pergunnahs	......	......	......	......	250 0 0	......	250 0 0	......	1,515 15 0	2,509 14 3	1,732 6 4	16 13 0	......
Singbhoom ..	......	......	......	...	154 2 6	......	154 2 6	65 4 0	61 7 3	40 13 6	689 8 0	11 10 9	......
Total ...	......	......	......	......	431 8 3	......	431 8 3	103 7 5	1,577 6 3	2,798 4 0	3,636 12 1	28 7 9	......
Grand Total ..	......	39 0 0	39 0 0	4,681 8 1	1,896 3 2	......	1,896 3 2	277 3 3	1,744 10 1	12,217 7 6	9,541 0 0	28 7 9	......

FORT WILLIAM,
The 18th September 1891.

ROAD FUND.

Committees for the First Quarter of the year 1891-92, *ending* 30*th June* 1891.

IPTS.

...LANEOUS.		Grant from Government.	SUSPENSE ACCOUNT.			Total receipts.	Balance of imprest in hands of Engineers and others, decreased.	Balance of uncashed cheques, increased.	Total receipts, including balance.	Outlay.	Balance in treasury on 30th June 1891.
Miscellaneous.	Total.		Advance.	Deposits.	Total.						
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
......	......	976 2 5	411 0 7	......	411 0 7	3,586 8 4	......	......	16,601 4 1	4,520 8 7	12,170 11 6
407 15 9	5c3 5 9	288 5 7	318 2 0	......	318 2 0	14,581 7 9	... .	......	40,738 2 8	15,201 13 2	25,536 5 6
.. ...	1,154 13 10	......	996 4 0	8 0 0	1,004 4 0	7,177 5 1	...	......	41,163 13 3	16,518 4 6	24,550 8 9
23 7 3	620 4 6	......	190 14 0	1,191 4 0	1,382 2 9	8,451 3 4	2 3 0	......	19,217 5 7	6,243 5 3	12,074 0 4
431 7 0	2,238 8 1	1,202 8 0	1,916 6 1	1,199 4 0	3,115 10 1	33,796 7 6	2 3 0	......	1,17,710 9 7	42,478 15 6	75,231 10 1
2,000 0 0	2,000 0 0	10,000 0 0	......	......	......	12,000 0 0	......	... .	22,027 5 9	3,893 7 4	18,203 14 5
10 6 6	43 14 6	......	1,624 5 3	....	1,624 5 3	1,668 8 9	......	... ..	29,881 15 8	8,724 13 4	21,157 2 4
1 9 0	1 9 0	10,000 0 0	......	1,277 8 0	1,277 8 0	11,298 2 0	......	......	18,366 10 2	4,894 8 3	13,472 1 11
2,011 15 6	2,045 7 6	20,000 0 0	1,624 5 3	1,277 8 0	2,901 13 3	24,966 5 0	......	......	70,275 15 7	17,442 12 11	52,833 2 8
2,413 6 6	4,283 15 7	21,202 8 0	3,540 11 4	2,476 12 0	6,017 7 4	58,762 13 3	2 3 0	.. ...	1,87,986 9 2	59,921 13 5	1,28,064 12 9

ITURE.

...ORKS.		IRRIGATION.	MISCELLANEOUS.				Contribution to Provincial Government.	SUSPENSE ACCOUNT.			Total expenditure.	Balance of imprest in hands of Engineers and others, increased.	Balance of uncashed cheques, decreased.	Total outlay.
...sional Superintendent of Works.	Total.	Canal toll establishment and contingencies.	Staging-bungalow establishment and contingencies.	Staging-bungalow petty construction and repairs.	Miscellaneous.	Total.		Advance.	Deposit.	Total.				
Rs.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs.	Rs. A. P.	Rs. A. P.
.....	2,143 9 7	......	......	......	......	......	...	1,575 0 0	......	1,575 0 0	4,379 11 7	......	140 13 0	4,520 8 2
.....	5,285 1 2	......	27 0 0	......	......	27 0 0	...	896 4 0	425 0 0	1,321 4 0	8,748 8 2	......	6,453 5 0	15,201 13 6
.....	3,'80 4 1	......	61 8 0	... ..	76 6 0	137 14 0	...	221 12 0	708 0 0	929 12 0	7,104 6 0	... ..	9,814 14 0	16,513 4 3
.....	4,775 12 5	......	......	192 14 11	......	192 14 11	...	144 0 0	392 8 0	536 8 0	6,243 5 3	......	......	6,243 5 7
.....	15,490 11 3	......	88 8 0	192 14 11	7 0	357 12 11	...	2,837 0 0	1,525 8 0	4,362 8 0	20,560 15 0	......	15,909 0 6	42,478 15 6
.....	1,462 6 0	......	......	......	......	......	...	......	......	......	1,527 15 2	......	2,295 8 2	3,823 7 4
.....	5,775 0 7	......	28 5 9	......	......	28 5 9	...	905 0 0	......	905 0 0	6,958 4 4	......	1,766 7 0	8,724 13 4
.....	803 7 6	......	72 0 0	184 0 0	10 6 0	266 6 0	...	400 0 0	17 11 9	417 11 9	1,706 15 9	.....	3,187 8 6	4,894 8 3
.....	8,040 14 1	......	100 5 9	184 0 0	10 6 0	294 11 9	...	1,305 0 0	17 11 9	1,322 11 9	10,193 5 3	......	7,248 7 8	17,442 12 11
.....	23,531 9 4	......	188 13 9	376 14 11	86 12 0	652 8 8	...	4,142 0 0	1,543 3 9	5,685 3 9	30,763 4 3	......	23,157 8 2	59,921 12 5

O. T. BARROW,

Accountant-General, Bengal.

EXHIBITITION OF METAL WARE AND POTTERY TO BE HELD AT THE OPENING OF THE IMPERIAL INSTITUTE IN LONDON.

REVENUE DEPARTMENT.

RESOLUTION No. 3:6Mis. (F.)

Darjeeling, the 22nd October 1891.

READ—

A circular letter No. 21—23M & E., dated 26th September 1891, from the Secretary to the Government of India, Revenue and Agricultural Department, with enclosures, on the subject of an exhibition of metal work and pottery to be held at the opening of the Imperial Institute in the summer of 1892.

IT is proposed by the Governing Body of the Imperial Institute, Exhibition Road, London, to hold a special exhibition of metal work and pottery at the official opening of that Institute by Her Majesty the Queen-Empress in the summer of 1892.

The Secretary to the Imperial Institute has drawn up the annexed memorandum* relating to this subject, and Her Majesty's Secretary of State for India has been requested by the President and Council of the Institute to make the contents of that memorandum known to the Local Governments and Administrations, and Political Agencies in India, with a view of obtaining from the several Indian provinces contributions to the proposed exhibition. It is suggested that any contributions suitable for permanent display in the collections which are to illustrate the industrial resources of India, received through the Local Governments and Administrations should be assigned to the permanent collections to be represented at the Imperial Institute; and it is expressly stated that the specimens should be useful rather than ornamental, and should be small in size; any consignments of Indian metal work and pottery that are contributed should be restricted to purely commercial exhibits. The Government of India have forwarded a copy of the correspondence on the subject to this Government for such action as may be considered desirable.

* Dated 13th July 1891.

2. The Lieutenant-Governor desires to co-operate, as far as it lies in his power to do so, with a view to securing suitable contributions from Bengal to the proposed exhibition. This Government will bear the cost of carriage to Calcutta of any articles that may be sent from any part of this Province, and of their freight from Calcutta to England. For the exhibits themselves, Sir Charles Elliott will look to the public spirit of local bodies and to the liberality of private persons. Any local bodies or private persons who may be willing to contribute specimens are requested to communicate with the Under Secretary to the Government of Bengal in the Revenue Department, informing him of the number, nature, and size of what they propose to send. If he decides that the articles referred to come within the scope of the exhibition, he will ask the parties concerned to forward them to Mr. Troilokhya Nath Mukharji, Assistant Curator, Economic and Art section of the Indian Museum, Calcutta, who will be supplied with funds to pay for their carriage, and will arrange for their despatch to England.

ORDER.—Ordered that the foregoing Resolution be published in the *Calcutta Gazette* for general information.

Ordered also that a copy be forwarded to Mr. Troilokya Nath Mukharji, for information and guidance.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

MEMORANDUM.

IT is proposed to hold, upon the occasion of the opening of the Imperial Institute, an exhibition of metal-work (including jewellery) and of pottery and porcelain.

Such of the articles exhibited as are suitable for permanent display in the collections which are to illustrate the industrial resources of the Empire might be retained in the Institute: the remainder might be returned or sold, and contributors to the Exhibition would be invited to regard the permanent exhibits as loans, which could be replaced from time to time as fashion or improved production might require.

As space is limited, the exhibits should not include objects of large size.

Rare specimens of very special artwork would not be suitable for retention as permanent exhibits, which should include only such articles as are likely to be in demand by the "Trade."

Metal-work is understood to include the application of metals to the enrichment of fabrics, leather, &c., in such proportions as materially enhance the value and change the character of the objects.

Pottery includes porcelain.

The materials used in the different manufactures illustrated might be included ; also small models showing the various processes employed.

The following is a rough list of exhibits which might be furnished from North India (chiefly Native States) ; it includes an indication of the nature of such representations of the mineral resources of North India as are connected with metal-work, and should be contributed to the permanent collections.

Rajputana.—Metals and ores found in the State.

Jeypore.—(1) Enamel in gold, silver, and copper.
(2) Ornamental brass work, salvers, vases, boxes, shields, &c., "eurepousse" and engraved, chased or perforated.
(3) Damascening in gold and silver on steel of vessels, arms and armour.
(4) Arms and armour suitable for trophies and decorative purposes.
(5) Ornaments in base metal, with models showing native methods of casting them.
(6) Brocades.
(7) Gold and silver lace and wire with spangles.
(8) Models showing the native methods of preparing lace wire, &c., and of making salvers and vessels.
(9) Ores found in the State.

Jodhpore.—(1) Chaguls or water-bottles with silver mouthpieces from Kuchawan.
(2) Ores of copper, iron, &c.

Odeypore.—(1) White metal-ware from Blulwara.
(2) Elephant goads from Odeypore.
(3) Ores of zinc, ochres, &c.

Ajmere.—(1) Ores of lead, &c.

Sirohi.—(1) True Damascening in gold, of swords, daggers and sword-sticks.

Tonk.—(In Rajputana and Central India.)
(1) Parcel gilt salvers and plate.
(2) Pottery.

Jeypore.—(1) Semi-transparent pottery, blue and white, vessels, tiles, plates, &c.
(2) Plain white pottery.

Ulwar.—Brown ware.

Indargarh (through Boondi).—Lacquered pottery. Specimens of materials from all parts.

It would be desirable that exact copies of all exhibits which are likely to form portion of the permanent collection should be kept in the local museum or store, the originals and duplicates having corresponding numbers, so as to facilitate the revision of the collections from time to time.

F. A. ABEL,
Secretary, Imperial Institute.

The 13th July, 1891.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 24th October 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
		Western Districts.		
Burdwan Divn.	1	Burdwan Oct. 24, '91	Nil	Weather—cool in the morning and hot in the day. Winter rice crop is suff[ering] very much for want of rain. Sowing of *rabi* crops commenced. Fod[der] and water sufficient. Prices of common rice:— Srs. Burdwan ... ... 16; Culna ... ... 14; Cutwa ... ... 15$\frac{11}{16}$; Raneegunge ... ... 16 } per rupee.
		Culna ...	Nil	
		Cutwa ...	Nil	
		Raneegunge ...	Nil	
	2	Bankoora .. 24 '91	Nil	Weather—seasonable. *Aman* suffering badly for want of rain both in Sud[der] and Bishenpur subdivisions. Sowing of *rabi* commenced in places. Fo[dder] and water plentiful. No cattle-disease. Rice selling at 18 seers per ru[pee] at Sudder and 17½ seers at Bishnupur.
	3	Birbhum .. 24. '91	Nil	Weather—bright and dry but cool. Sugarcane sufferin[g] for want of rain, [the] rice on high lands also suffering a great deal. The rest of the rice cro[p] in good order and will be very good if rain falls; at any rate the low l[and] yield may be expected to be fair, for Birbhum is most exceptionally [well] provided with irrigation tanks which are all well filled now with wa[ter]. Fodder and water plentiful. State of cattle normal. Prices of rice f[rom] 16 to 18 seers per rupee
		Rampore Haut ...	Nil	
	4	Midnapur „ 24, '91	Nil	Weather—fair and cool. *Aus* crop reaped. Much anxiety for *aman* crop [on] account of want of rain. Condition of cattle generally good. Price[s of] common rice:— Srs. Sudder ... ... 16; Contai ... ... 19; Tamluk ... ... (nearly) 13; Ghatal ... . 16 } per rupee.
	5	Hooghly . 24 '91	Nil	Weather—cooler at night, but still warm by day. Rain is much wanted, water is getting scarce. No cattle-disease reported. Prices of com[mon] rice:— Srs. Sudder ... ... 13; Serampore ... . 13; Jehanabad ... ... 14 } per rupee.
		Serampore ...	Nil	
		Jehanabad ...	Nil	
	6	Howrah „ 24, '91	Nil	Weather—fine *Aman* crop in want of rain in parts of Uluberia subdivi[sion]. Prospects of crops otherwise satisfactory. Condition of cattle good. Fo[dder] and water-supply adequate.
		Uluberia ...	Nil	
		Central Districts.		
Presidency Divn.	7	24-Perghs. Oct. 27, '91	Nil	Weather—bright; cool in mornings and evenings, days hot. Harvesti[ng of] *aus* and jute completed. *Aman* paddy has withered in places for war[nt of] rain. Rain badly wanted throughout the district. Sugarcane doing [well]. Fodder and water sufficient for cattle. Price of common rice varies 12 to 15 seers per rupee.
	8	Nuddea „ 24, '91	Nil	Weather—seasonable. Prospects of *aman* are not favourable owing to conti[nued] drought. Sowing of winter crops going on. It is retarded for war[nt of] rain. Health of cattle good, and supply of fodder and water sufficient.
		Kushtea ...	Nil	
		Meherpur ...	Nil	
		Chuadanga ...	0·31	
		Ranaghat ...	0·02	
	9	Khoolna „ 24. '91	Nil	Weather—fine and fairly cool. Rain is badly wanted, especially in the S[udder] and Satkhira subdivisions. Prospects of *aman* on low lands are good, b[ut on] high lands the crop is suffering from drought. Fodder and water for [cattle] sufficient.
		Bagirhat ...	0·34	
		Satkhira ...	Nil	
	10	Jessore .. 24, '91	Nil	Weather—days hot, mornings and evenings cool. *Aman* on low lands [doing] well, but rain wanted for high lands. Sowing of cold-weather crops [and] indigo commenced, but they also require rain. Condition of cattle [good]. Water and fodder plentiful.
		Jhenidah ..	Nil	
		Magura ...	Nil	
		Narail ...	Nil	
		Bongong ...	0·03	
	11	Murshedabad „ 26, 91	Nil	Weather—still hot during the day-time with frequent clouds. Winter ri[ce] greatly deteriorated except in low lands. In many places it is bein[g cut] for fodder. The ground is mostly too dry or hard for sowing *rabi*. *Kalai* doing well. Mulberry and sugarcane not bad. Rain urgently n[eeded] for winter rice not yet spoilt and for *rabi* cultivation. 18 head of [cattle] have died of small-pox in Kandi subdivision.
Rajshahye Divn.	12	Dinagepur „ 24, '91	Nil	Weather—seasonable and cloudy. Prospects of winter rice continue unfa[vour]able. Plants are reported to be withering for want of rain. *Rabi* cu[ltiva]tion in progress. Price of rice has risen at Sudder, rice selling at 12½ per rupee; at Thakurgaon price of rice unchanged. Condition of cattle everywhere except in Thakurgaon, where disease has broken out in villages. Supply of fodder and drinking water ample.
		Thakurgaon ...	Nil	
	13	Rajshahye „ 24, '91	Nil	No sign of rain, and none has fallen during this week. Cold weather comi[ng]. *Aman* is in a bad state, and irrigation from tanks is being resort[ed to] wherever practicable. Nowhere can a crop in excess of 8 annas be e[xpect]ed. Fodder and drinking water ample. No cattle-disease reported.
		Nattore ..	Nil	
		Nowgong ...	Nil	
	14	Rungpur „ 24, '91	Nil	Weather—fine with passing clouds. Prospect of winter rice fair, excep[t on] high lands where more rain is required. Steeping of jute nearly com[plete]. Lands are being prepared for cold-weather crops. Fodder plentiful. [Prices] stationary.
		Gaibanda ...	Nil	
		Nilphamari ...	Nil	
		Kurigram ...	Nil	

	No	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
		Central Districts—concld.			
Rajshahye Divn.—*concld.*	15	Bogra Sherpur Nowkhilia	Oct. 24, '91	Nil Nil Nil	Weather—cool with northerly breeze. Prospects of *aman* very unfavourable. The crop on high lands is withering. Rain is also much wanted for the low lands. Common rice selling at 13½ seers per rupee. Lands are being prepared for cold-weather crops. Sugarcane, *til* and *kalai* promise well.
	16	Pubna	„ 24, '91	Nil	Weather—days warm, nights cool. *Aman* on lands reached by the floods doing well, but on high lands it will materially suffer for want of rain. Sugarcane promises to be a bumper crop. Land is being rapidly prepared for *rabi* crops and tobacco. Rice selling at 13 seers per rupee. Plenty of fodder. No cattle-disease.
	17	Darjeeling	„ 24, '91	Nil	Weather—fair. *Marua* getting ripe. Potatoes are being gathered in most places. Sufficient fodder and water for cattle.
	18	Julpigoree	„ 24, '91	Nil	Weather—seasonable. *Haimanti* paddy generally backward. Tobacco being transplanted. Common rice sells at 11 seers per rupee, but is inclined to rise in rate. No cattle-disease. Fodder and water sufficient.
		Eastern Districts.			
Dacca Divn.	19	Dacca	Oct. 24, '91	Nil	Weather—seasonable. Prospect of *aman* good. *Asvini* paddy is being cut. Fodder available. Common rice selling at from 14 to 16 seers per rupee. No cattle-disease.
	20	Furreedpur	„ 24, '91	Nil	Weather—unusually hot in the day time. Prospect of *aman* paddy on low lands good, but the crop on high lands has withered. Sowing of *rabi* has commenced. Rice selling at 16, 16½, and 15 seers per rupee at Sudder, Goalundo, and Madaripore respectively. No cattle-disease. Fodder available.
	21	Backergunge	„ 24, '91	0·11	Weather—seasonable. State of standing crops not good in the eastern and southern parts wherever the soil is sandy. Rain is much wanted. Price of common rice varies from 12 to 18 seers per rupee. Supply of fodder and water sufficient.
	22	Mymensingh	„ 24, '91	0·19	Weather—days hot, nights cool. About 3 annas of winter rice damaged by want of rain. Common rice sells at 11½ seers per rupee. No cattle-disease. Supply of fodder and water sufficient.
Chittagong Divn.	23	Chittagong	„ 27, '91	0·24	Weather—fine and dry. Transplantation of *aman* crop over. More rain wanted. Prices steady.
	24	Noakhally	„ 24, '91	1·87	Weather—rainy on 21st; rest of the week warm and bright. Rain has done some good to *aman* rice, but more is much wanted. Lands are being prepared for *rabi* crops. Prices stationary. Condition of cattle and supply of fodder and water satisfactory.
	25	Tipperah	„ 24, '91	1·88	Weather—seasonable. Rain in parts of the district during the week. This has done good to standing crops. Fodder sufficient. No cattle-disease.
	26	Chittagong Hill Tracts.	„ 22, '91	1·17	Weather—mornings foggy; hot in the day. Rainy on 20th and 21st. Gathering of cotton has commenced. Harvesting of *jum* paddy in some places still continues. Lands are being ploughed for mustard and other winter crops. Sugarcane doing well. Common rice sells at 12 seers per rupee.
BEHAR.					
Patna Divn.	27	Patna Barh Hilsa Behar	„ 24 '91	Nil Nil Nil Nil	Weather—hot; cool at night. Paddy dying for want of rain. *Rabi* and poppy sowings progressing. Rain wanted for these crops too.
	28	Gya	„ 24, '91	Nil	Weather—mornings cool, days hot. Paddy on high lands withering. Sowing of *rabi* crops going on. Prices of food-grains almost stationary. Supply of fodder and water for cattle sufficient.
	29	Shahabad Buxar Sasseram	„ 24, '91	Nil Nil Nil	Weather—hot in the day, but cool with heavy dews at night. The absence of rain is seriously affecting the paddy in unprotected tracts. *Rabi* crops are germinating freely, and there is sufficient moisture in the ground to ensure a fair return. Damage from insects reported from Dehri.
	30	Durbhunga	„ 24 '91	Nil	Fair bright weather; getting slowly colder. Prospect of rice crop in Sudder and Modhubani subdivisions unfavourable. Total outturn will not exceed 6 annas of an average crop. More moisture wanted in places for *rabi* crops. Fodder plentiful, but water for cattle becoming scarce in a few tracts owing to irrigation. No tanks dry as yet.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—concld.				
Patna Divn.—concld.				
31	Mozufferpur	Oct. 24, '91	Nil	Weather—days hot, nights cool. Prospects of paddy crop poor. Want of rain is being seriously felt almost everywhere. Artificial irrigation going on wherever it is possible. *Rabi* sowings in progress. Prices rising. Ample fodder and water for cattle. Their condition is reported to be good.
	Hajipur	...	Nil	
	Sitamarhi	...	Nil	
32	Sarun	„ 24, '91	Nil	Weather—seasonable. Except in Gopalgunge, rain much wanted to save the paddy crop and supply moisture for *rabi* sowings. Fodder and water for cattle sufficient.
33	Chumparun	„ 24, '91	Nil	Weather—seasonable. Prospects of *aghani* continue fairly good except in a few tracts. Sowing of *rabi* commenced in some places. Fodder and water for cattle sufficient. Prices stationary.
Bhagulpore Divn.				
34	Monghyr	„ 24 '91	Nil	Weather—nights getting cool, but days are hot with generally westerly winds. The continued want of rain has very seriously affected the winter rice crop, the outturn of which will under any circumstances be very poor. Ploughing for *rabi* sowings stopped for want of rain in Bukhtiarpur and Lukhiserai in the Sudder and also in the Jamui subdivision. Prospects are unfavourable. Prices are showing a tendency to rise. Supply of fodder and water sufficient at present. Health of cattle good.
	Beguserai	..	Nil	
	Jamui	..	Nil	
35	Bhagulpore	„ 24, '91	Nil	Dry weather. Days hot, nights cool. Rice suffering everywhere for want of rain. Rain also required for sowing *rabi* crops. State of things is already critical in Soopool and is becoming so in Mudehpoorah. Price of common rice 15 seers 2 chittacks per rupee.
36	Purneah	.. 24, '91	Nil	Weather—hot in the day, but cool in the morning and evening. *Aghani* is suffering everywhere in Sudder subdivision for want of rain, but in Arrareah it is doing well except on high lands. In Kishengunge also it is doing well, but more rain is still wanted there. Sowing of *rabi* crops going on briskly in Arrareah, where the *kurthi* crop is expected to be a good one. In Sudder and Kishengunge land is being prepared for *rabi* and also sown in places. Fodder and water plentiful. No cattle-disease.
	Kishengunge	...	Nil	
	Arrareah	...	Nil	
37	Maldah	„ 24, '91	Nil	Weather—days hot, mornings and evenings cool. Rain urgently required for winter rice, which is withering in some places. *Rabi* sowings progressing. Prospects of *kalai* crop favourable. Supply of fodder and drinking water sufficient. No cattle-disease. Rice selling at from 12 to 17 seers per rupee.
	Chanchal	...	Nil	
	Shibgunge	...	Nil	
	Gajole	...	Nil	
38	Sonthal Pergns	„ 24, '91	Nil	West winds and some clouds but no rain. Rather sultry weather. Rain wanted for high land rice, especially in Godda, Rajmehal, and Deoghur. If it does not rain, a 10-anna crop in north and a 12-anna crop in south may be expected. Fodder and water sufficient.
ORISSA.				
Orissa Divn.				
39	Cuttack	„ 24, '91	Nil	Weather—dry and cool. *Beali* harvested; outturn estimated at 11 annas in Jajpur, 12 annas in Kendrapara, and 14 annas in Sudder subdivision. Sowing of cold-weather crops in progress. One or two good showers of rain wanted for *sarad* crop.
40	Pooree	„ 22, '91	Nil	Weather—seasonable with passing clouds towards the end of the week. Reweeding of winter rice (*sarad*) going on. Rain urgently wanted for crops on high lands. Miscellaneous crops doing well. Common rice sells at from 18 to 24 seers per rupee. Cattle-disease reported from some parts of the district.
	Gope	...	Nil	
	Pipli	...	1·50	
	Khurda	...	4·26	
	Banpur	...	0·05	
41	Balasore	„ 24, '91	Nil	Weather—unseasonably dry. The long-continued drought is causing much anxiety in all parts of the district. Everything now depends on our getting rain within the next eight days.
CHOTA NAGPORE.				
South-West Frontier Agency.				
Chota Nagpore Divn.				
42	Hazaribagh	Oct. 24, '91	Nil	Weather—bright and cool. Prospects fair, but rain much wanted, especially for high lands. *Rabi* sowings continue.
	Giridih	..	Nil	
43	Lohardugga	.. 24, '91	Nil	Weather—clear and a little cool. Harvesting of *gora* rice nearly finished. Rain badly wanted for winter rice. Ample fodder for cattle.
	Palamow (up to 19th)	...	Nil	
44	Singbhoom	„ 24, '91	Nil	Weather—cool and bright. Prospects very satisfactory everywhere. *Gora* and *bera* paddy being harvested with full outturn.
45	Manbhoom	„ 24, '91	Nil	Weather—seasonable. Prospects of crops still continue good. Rice selling at from 16 to 20 seers per rupee.
	Govindpore	...	Nil	

Published for general information.

CALCUTTA; REVENUE DEPT., *The 27th October*, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH OCTOBER 1891.

N. B.—This statement was not published in last week's Gazette, as the returns from Beerbhoom, Midnapore, Hooghly, Bhagulpore, and Lohardugga had no

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

QUANTITIES PER RUPEE IN

DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM. (*Sorghum Vulgare.*)		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
BENGAL.															
Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Burdwan .	11 8	11 8	13 0	...	...	...	12 12	12 12	12 6	15 6	15 6	16 9	.	...	...
Bankoora .	12 8	12 8	15 0	16 0	16 0	20 0	15 0	15 0	15 0	18 12	18 12	18 0			...
Beerbhoom ...	13 8	13 8	17 4	...	...	...	13 8	13 8	13 8	15 12	15 12	16 8	...	...	...
Midnapore .	11 0	11 0	10 8	...	..	...	13 0	13 0	11 0	16 0	15 12	15 0	...	...	...
Hooghly ..	13 0	13 0	13 0	...	..	..	8 0	8 0	8 0	13 0	13 0	13 0	.	...	...
Howrah ...	.	.	...	...	.	..	10 8	11 12	10 0	14 0	14 4	13 8	.	...	...
Central Districts.															
Calcutta	11 1	11 5	13 4	19 5	20 1	17 11	8 10	8 10	8 14	12 4	12 8	12 11	...	...	...
24-Pergunnahs	12 0	12 4	14 8	20 0	20 0	19 0	8 0	8 0	8 0	15 8	14 8	14 0	...	...	...
8 Nuddea	3 1	13 10	15 4	22 14	24 12	...	12 5	12 5	11 10	14 1	13 14½	13 10	...		...
9 Khoolna ..		..	...	...		.	14 0	13 0	12 0	17 0	16 0	14 4	.	...	...
0 Jessore ..	12 0	12 0	13 0		...	..	12 8	12 8	11 0	16 0	16 0	13 0	..	...	...
1 Moorshedabad	13 4	13 4	16 0	..			10 0	10 0	10 0	16 0	16 0	16 0	...	...	...
2 Dinagepore ..	11 6	12 0	15 10	17 8	20 0	14 8	11 12	12 0	14 6	13 0	13 3	16 13	...	.	...
13 Rajshahye ...	14 4	15 0	16 8	24 0	24 0	19 8	12 0	12 0	12 0	13 8	13 8	13 14	...	.	..
14 Rungpore	10 10	10 10	13 5			...	10 10	10 10	9 6	12 4	13 0	13 5	...	...	..
15 Bogra ..	12 0	12 0	13 5	...	...	...	12 0	12 0	9 12	15 0	15 0	14 4	...	...	.
16 Pubna .	14 4	15 0	18 0				7 8	7 8	7 2	14 10	17 10	14 4			.
17 Darjeeling .	8 0	8 0	9 0	10 0	12 0	10 0	5 0	5 0	5 0	11 0	12 0	12 0	..	...	.
18 Julpigoree	12 0	12 0	13 0	16 0	16 0	16 0	7 0	7 0	8 0	11 0	13 0	16 0	.	.	.
Eastern Districts.															
19 Dacca ..	11 8	11 8	12 0	20 0	17 8	14 0	13 0	13 0	13	15	15 0	14 0	...	...	
20 Furreedpore ..	15 0	15 0	16 0	30 0	22 0	20 0	13 0	13 0	10 0	16 0	16 0	13 0	...	..	
21 Backergunge ...	...	.	...	.	...	...	12 12	12 4	11 8	15 9	16 0	13 0	...	...	
22 Mymensingh .	10 0	10 0	10 8	...	...	...	12 0	12 0	10 0	14 8	14 0	11 8	...	...	

* Present return not received.

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11 seers 15 chittacks, and Raneegunge 10½ seers.
B At Rampore Hât retail price of salt 10¼ seers per rupee.
C Retail price of salt at Contai and Ghatal 11 seers per rupee.
D At Jehanabad retail price of salt 11 seers 7 chittacks per rupee
E Retail price of salt at Uluberiah 10½ seers per rupee.
F In subdivisions retail prices of salt per rupee are :—Barasot 10 seers 10 chittacks, Bussirhat (at Baduria) 10½ seers, Dis
- Harbour (at Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
G In subdivisions retail prices of salt per rupee are : – Kooshtea 10 seers, Meherpore 9¾ seers, Chooadanga 10 seers 5 chit
and Ranaghat 10 seers.
H In subdivisions retail prices of salt per rupee are :—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bo
10½ seers.

Howrah, 24-Pergunnahs, Moorshedabad, Rungpore, Darjeeling, Julpigoree, Dacca, Chittagong, Noakholly, Gya, Chumparun, Monghyr been received up to the 20th instant.

Head-quarters Station Bazars of the Districts of Bengal on the 15th October 1891.

Indian-corn or Maize (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
															BENGAL.
															Western Districts.
...	...	...	17 8	17 0	17 12	100 0	100 0	100 0	A 11 4	11 4	K 11-2 2	3 5 8	3 5 8	3 8 0	Burdwan.
22 0	22 0	28 0	17 8	18 12	18 0	200 0	200	240 0	10 10	10 10	10 0	3 12 0	3 12 0	3 13 0	Bankoora.
...	...	...	13 0	13 0	13 8	160 0	160 0	160 0	B 10 14	10 14	10 8	3 11 6	3 11 6	3 10 0	Beerbhoom.
...	...	...	11 8	11 8	11 8	120 0	120 0	120 0	C 10 12	10 12	10 8	3 12 0	3 11 0	3 13 0	Midnapore.
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	D 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.
...	...	..	10 12	11 0	12 8	100 0	100 0	100 0	E 10 8	10 8	10 8	3 8 0	3 8 0	3 8 0	Howrah.
															Central Districts.
18 12	17 14	19 8	15 1	14 10	15 3	90 0	92 8	92 8	11 4	11 2	10 8	3 5 0	3 5 3	3 8 8	Calcutta.
..	...	...	17 0	17 0	17 0	100 0	100 0	100 0	F 10 12	10 12	10 12	3 5 0	3 5 0	3 7 0	24-Pergunnahs.
...	...	...	16 0	16 0	16 13	...	...	...	G 9 13	9 2¼	9 13	3 10 0	3 10 0	3 12 0	Nuddea.
...	.	...	.	...	..	160 0	160 0	160 0	9 0	9 0	8 0	4 0 0	4 0 0	4 0 0	Khoolna.
...	...	..	16 0	16 0	16 0	160 0	160 0	160 0	H 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.
...	...	...	15 0	15 0	17 12	200 0	200 0	200 0	I 11 8	11 8	11 4	3 7 9	3 7 9	3 8 0	Moorshedabad.
...	...		16 0	16 0	15 10	160 0	160 0	160 0	J 10 4	10 8	10 0	3 14 0	3 13 0	4 0 0	Dinagepore.
...	...	..	13 4	18 8	17 2	240 0	240 0	240 0	9 9	9 9	9 9	3 13 4	3 13 4	4 0 0	Rajshahye.
...	...	...	10 10	10 10	10 10	100 0	100 0	100 0	K 9 6	9 6	9 6	4 4 0	4 4 0	4 4 0	Rungpore.
...	...	...	...	...	...	90 0	90 0	90 0	9 6	9 6	9 0	4 0 0	4 0 0	4 0 0	Bogra.
...	...	...	17 4	16 8	17 10	200 0	200 0	200 0	L 8 15	8 15	K 8-11 2	3 13 0	3 13 0	3 14 0	Pubna.
20 0	20 0	20 0	...	...	...	120 0	120 0	120 0	M 8 0	8 0	7 8	5 0 0	5 0 0	5 4 0	Darjeeling.
...	...	...	9 0	9 0	11 0	200 0	200 0	200 0	N 10 0	10 0	9 0	4 0 0	4 0 0	4 4 0	Julpigoree.
															Eastern Districts.
...	..	...	15 8	16 0	16 0	120 0	140 0	120 0	O 9 0	9 0	9 12	4 4 0	4 4 0	4 0 0	Dacca.
...	...	...	16 0	13 0	10 0	...	...	120 0	P 10 0	10 0	10 0	4 0 0	3 12 0	3 14 0	Furreedpore.
...	...	...	Khesari, husked. 14 8	14 8	12 12	120 0	120 0	100 0	Q 10 0	10 0	10 10	3 12 0	3 12 0	3 12 0	Backergunge.
...	...	...	10 0	10 0	11 0	...	...	.	R 9 8	10 0	10 0	3 14 0	3 14 0	3 15 0	Mymensingh.

I In subdivisions retail prices of salt per rupee are :—Kandi 10½ seers, Lalbagh 11 seers.
J Retail price of salt at Thakurgaon 8 seers per rupee.
K In subdivisions retail prices of salt per rupee are :—Nilphamari 10 seers, Gaibanda 9 seers 6 chittacks, and Kurigram 8 seers.
L At Serajgunge retail price of salt 10¼ seers per rupee.
M Retail price of salt at Kurseong and Silliguri 8 seers per rupee.
N At Fallacotta in Alipore subdivision retail price of salt 8½ seers per rupee.
O Retail prices of salt at Manickgunge and Munshigunge 9 seers per rupee.
P Retail price of salt at Goalundo and Madaripore 10 seers per rupee.
Q At Perozepore retail price of salt 9 seers per rupee, and at Patuakhali and Bhola 8 seers.
R In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Tanjail 10 seers, Jamalpore 9½ seers, Sherpore [illegible] seers, and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare). Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	Eastern Districts—concluded.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ..	10 0	12 0	11 0	...	..	...	12 0	12 0	12 0	16 0	16 12	15 12	...	...	...
24	Noakholly ...	...	..	...	.	...	.	14 0	14 0	14 0	15 0	15 0	15 0	...	...	...
25	Tipperah ...	10 0	10 0	13 5¾				10 0	10 0	11 7	16 0	16 0	14 8		..	...
26	Chittagong Hill Tracts.	.	...	...	..	.	...	11 0	11 0	11 6¾	12 0	12 0	12 15	...	...	...
	BEHAR.															
27	Patna ..	Red. 16 0 White. 15 0	Red. 16 0 White. 15 0	Red. 16 12 White. 15 12	25 0	25 0	17 0	11 8	11 8	11 0	19 0	18 0	16 8	...	...	...
28	Gya ..	13 8	14 0	15 4	25 0	25 0	20 0	10 8	10 8	10 0	15 0	15 0	17 0	...	...	...
29	Shahabad .	13 12	14 8	16 8	20 0	22 0	19 0	9 0	9 0	9 0	14 0	14 8	16 0	..	...	20 0
30	Durbhunga ..	14 0	13 5	15 3	18 8	22 0	16 8	11 0	11 0	13 0	14 4	14 4	16 8	...	...	..
31	Mozufferpore ...	14 0	14 0	16 0	25 0	25 0	19 0	13 0	13 0	9 0	14 0	14 0	14 0	...	..	...
32	Sarun ..	14 5	14 5	15 8	21 0	25 0	17 8	8 8	8 8	8 4	14 0	14 5	13 12	...	...	...
33	Chumparun ..	15 0	15 0	17 0	24 0	23 0	19 8	10 0	10 12	10 0	17 0	17 0	15 8	.	...	...
34	Monghyr .	14 0	14 0	16 12	20 0	22 0	16 12	12 8	10 8	10 8	13 0	13 8	14 11	...	...	...
35	Bhagulpore ...	13 14	14 8	16 11	21 7	22 11	22 11	12 10	12 10	Old 11 6 New. 12 10	15 2	15 2	Old. 13 14 New. 15 2	..	...	...
36	Purneah ...	12 0	12 0	18 0	no sale	14 0		11 0	13 0	15 0	13 0	14 0	18 0	.	...	...
37	Maldah ...	12 8	14 0	18 0	...	...	.	10 8	9 8	9 0	15 0	14 0	16 0	...	...	...
38	Sonthal Perghs.	12 0	11 0	13 0	..	...	.	14 0	13 0	13 0	16 0	16 0	16 0	...	..	...
	ORISSA															
39	Cuttack ...	10 8	10 8	14 7	...	..	...	10 8	10 8	10 8	14 7	14 7	18 6	...	..	...
40	Pooree .	9 7	11 13	13 2	...	...	...	13 2	14 7	13 6	8 6	21 0	21 0	.	...	...
41	Balasore ..	15 0	15 0	15 0	13 0	13 0	13 0	13	13 0	12 0	21	21 0	18 0	.	..	...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh ..	14 0	13 8	14 0	17 0	17 0	17 0	8 0	8 0	8 0	14 12	15 4	16 0	...	...	...
43	Lohardugga ...	Red. 11 8 White. 7 4	Red. 11 1 White. 7 8	Red. 14 0 White. 8 8	18 0	16 0	17 8	12 8	12 0	13 0	Ordinary. 14 12 Coarse. 20 0	Ordinary. 14 0 Coarse. 16 0	Ordinary. 14 0 Coarse. 22 0	...	...	...
44	Singbhoom ..	16 0	16 0	12 0	14 0	14 0	14 0	12 .	12 0	15 0	16 0	14 0	16 0	.	..	...
45	Manbhoom .	11 12	11 8	13 5	...	...	28 0	13 0	13 8	13 0	21 0	21 0	20 8	...	...	...

S At Cox's Bazar retail price of salt 8 seers per rupee.
T At Feni hât retail price of salt 9 seers per rupee.
U At Behar retail price of salt 9¾ seers per rupee.
V In subdivisions retail prices of salt per rupee are :—Buxar 10½ seers, Bhabuah 9¾ seers, and Sasseram 10½ seers.
W Retail prices of salt at Somastipore and Madhubani 11 seers per rupee.
X In subdivisions retail prices of salt per rupee are : —Hajipore 10½ seers and Sitamarhi 10 seers.
Y In subdivisions retail prices of salt per rupee are : —Sewan 11¼ seers and Gopalgunge 11 seers 6 chittacks.
Z In subdivisions retail prices of salt per rupee are : — Beguserai 9½ seers and Jamui 10 seers.

CALCUTTA,
The 27th October, 1891.

Station Bazars of the Districts of Bengal on the 15th October, 1891—(concluded).

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur. Cadjan Pea. (*Cajanus Indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. a. p.	Rs. a. p.	Rs. a. p.	*Eastern Districts*—concluded.
...	..	...	...	...	...	110 0	110 0	110 0	S 10 0	10 0	10 0	3 8 0	3 8 0	3 14 0	Chittagong.
...	..		8 0	8 0	8 0	...	.	.	T 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakhelly.
.	..	...	6 4	6 4	8 0	...	...	.	10 0	10 0	10 0	3 14 0	4 0 0	4 0 0	Tipperah.
	...		..	.	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.
															BEHAR.
25 0	25 0	21 0	19 0	19 0	19 8	120 0	120 0	110 0	U 11 8	11 8	10 0	3 8 0	3 8 0	3 10 0	Patna.
	...	...	17 0	17	17 4	160 0	160	160 0	10 0	10 0	9 4	3 14 0	3 14 0	4 2 0	Gya.
22 .	22 0	..	15 0	15 0	17 0	120 0	120 0	120 0	V 10 8	10 8	10 0	3 13 0	3 13 0	3 15 0	Shahabad.
22 8	24 4	20 0	14 0	15 6	17 0	160 0	160 0	160 0	W 11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.
25 0	26 0	20 0	15 0	15 0	17 0	160 0	160 0	160 0	X 11 0	11 0	10 0	3 10 6	3 10 6	3 11 0	Mozufferpore.
25 0	27 0	19 0	17 0	17 8	18 4	180 0	160 0	180 .	Y 10 8	10 8	10 4	3 12 0	3 12 0	3 12 0	Sarun.
28 0	25 0	20 8	14 8	14 8	17 0	160 0	160 0	160 0	10 8	10 4	10 8	3 14 0	3 15 0	3 10 0	Champarun.
25 4	26 0	21 0	16 4	17 0	17 13	130 0	130 0	147 0	Z 11 0	10 8	10 8	3 9 0	3 13 0	3 11 0	Monghyr.
24 0	24 0	22 11	16 6	16 6	18 15	164 0	151 8	151 8	10 11	10 11	10 0	3 12 0	3 12 0	3 14 6	Bhagulpore.
20 0	.	...	13 0	14 0	15 0	80 0	80 0	130 0	a 10 0	10 0	9 0	3 10 3	3 10 3	4 7 0	Purneah.
...	.	.	...		..	120 0	120 .	120 .	10 0	9 0	9 0	3 13 0	3 14 0	4 0 0	Maldah.
32 0	45 0	25 0	18 .	17 0	20 .	220 .	200 0	200 0	b 10 0	9 0	9 0	4 0 0	4 0 0	14 0	Sonthal Pergunnahs.
															ORISSA.
.	.		17 1	17 1	19 11	80 0	80 0	80 0	c 11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.
.	.		14 7	14 7	13 2	80 0	80 0	80 0	d 11 13	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.
.	..	.	...	...	..	160 0	160	160 0	e 10 0	10 0	10 0	3 14 0	3 14 0	3 14 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
24 0	18 0	25 0	16 0	16 0	20 0	240 0	240 0	240 0	f 9 0	9 0	8 0	4 0 0	4 0 0	4 3 0	Hazaribagh.
30 0	35 0	28 0	Big. 12 0 / Small. 18 0	Big. 12 0 / Small. 18 0	Big. ... / Small. 26 0	150 0	150 0	120 0	g 9 12	9 8	9 0	4 1 0	4 3 0	4 2 0	Lohardugga.
16 0	16 0	20 0	19 0	20 0	21 0	240 0	240 0	240 0	9 0	9 0	9 0	4 6 0	4 6 0	4 6 0	Singbhoom.
–	...	...	17 0	16 0	18 0	[illegible] 0	200 0	200 0	h 9 13½	9 13½	9 14	3 11 0	3 12 0	3 14 0	Manbhoom.

a In subdivisions retail prices of salt per rupee are :—Kissengunge 8 seers and Arrareah (at Basantpur) 10 seers.
b At Pakour retail price of salt 10½ seers per rupee.
c In subdivisions retail prices of salt per rupee are :—Jajpore 8 seers and Kendrapara 9 seers.
d At Khoorda retail price of salt 11 seers per rupee.
e At Bhuddruck retail price of salt 9 seers per rupee.
f At Giridhi retail price of salt 10 seers per rupee.
g At Gurwa in Palamow subdivision retail price of salt 9 seers per rupee.
h At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 5 9	3 4 11	2 12 4	1 13 1	1 11 6	2 0 2	4 5 10	4 5 9	4 3 3	2 15 7	2 14 9	2 14 1
2	Serajgunge .	3 4 0	3 4 0	2 5 0	...	...	...	5 0 0	4 12 0	4 4 0	3 0 0	2 14 0	3 2 0
3	Dacca ...	3 8 0	3 8 0	3 4 0	1 12 0	2 4 0	2 12 0	3 0 0	3 0 0	3 0 0	2 11 0	2 10 0	2 13 0
4	Naraingunge*	...	...	...	...	...	...		2 8 0	3 0 0		2 6 0	2 12 0
5	Chittagong ...	4 0 0	3 0 0	3 8 0	...	...	...	3 4 0	3 4 0	3 4 0	2 8 0	2 6 6	2 8 0
6	Patna ...	2 8 0 2 10 6	Red. 2 8 0 White. 2 10 6	2 5 0 2 8 0	1 9 6	1 9 6	2 5 3	3 8 0	3 8 0	3 8 0	2 1 6	2 3 6	2 6 3
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 [illegible]	1 14 0	1 14 0	2 3 0
	Pooree ..		...	..	...	...		...	.	..	2 0 6	1 14 3	1 14 3
	Cuttack ...	3 12 0	3 12 0	2 10 0	...	...	...	3 10 0	3 10 [illegible]	3 10 0	2 12 0	2 12 0	2 2 0

* Present return not received.

CALCUTTA,
The 27th October, 1891.

in the undermentioned Marts of Bengal on the 15*th October* 1891.

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer Arietinum.*)			INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 4 10	2 4 8	2 0 5	1 14 1	1 15 6	1 12 10	2 6 1	2 7 3	2 5 8	0 6 0	0 5 9	0 5 9	3 5 0	3 5 3	3 8 8	Calcutta.
3 2 0	2 10 0	2 8 0	...	...	...	...	...	...	0 6 6	0 6 6	0 8 0	3 10 0	3 10 0	3 12 0	Serajgunge.
2 8 0	2 8 0	2 8 0	...	...	...	2 8 0	2 8 0	2 8 0	0 5 0	0 5 0	0 5 0	4 4 0	4 4 0	4 0 0	Dacca.
	3 12 0	3 8 0	...	...	...		3 12 0	3 8 0		0 8 0	0 8 0		3 13 0	3 12 0	Naraingunge.
3 6 0	3 0 0	2 14 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 0	3 8 0	3 8 0	3 14 0	Chittagong.
1 12 6	1 12 6	2 0 0	1 9 6	1 9 6	1 14 0	2 1 6	2 1 6	2 0 0	0 5 4	0 5 4	0 6 0	3 8 0	3 8 0	3 10 0	Patna.
2 12 0	2 12 0	2 12 0	...	...	.	...	...	...	0 4 6	0 4 6	0 4 6	3 14 0	3 14 0	3 14 0	Balasore.
...	...	...	...	..	..	...	...	...	...	...	...	3 6 0	3 6 0	3 12 0	Pooree.
(kalai). 2 14 0	3 0 0	2 5 0	...	...	...	2 4 0	2 4 0	2 0 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. — Air pressure. — Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. — Prevailing direction.	Mean wind velocity.	Temperature. — Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·908	29·857	—	N	185	90·7	19th Oct.	73·6	19, 24 Oct.	88·0	75·1	82·0	—	78·0
		Gopalpore	29·911	29·872	+·010	NNW	207	88·7	19, 23 ,,	68·9	18th ,,	87·4	71·1	79·3	−2·6	77·5
		False Point	29·909	29·872	−·018	NWly	127	89·0	19th ,,	68·0	24th ,,	87·2	71·5	79·4	−1·4	76·6
	Cuttack	Cuttack	29·862	29·866	+·001	Variable	36	89·4	18, 10 ,,	69·8	18, 24 ,,	88·7	70·9	79·8	−2·2	77·0
	Balasore	Balasore	29·871	29·875	−·019	NNW	72	88·4	18, 20, 22 ,,	65·8	24th ,,	88·0	68·3	78·2	−1·7	74·2
South West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·904	29·874	−·012	NLly	141	88·2	19th ,,	70·5	18th ,,	86·6	72·4	79·5	−1·7	78·7
	Midnapore	Midnapore	29·782	29·879	−·024	N	222	90·3	21st ,,	66·2	23rd ,,	88·7	69·5	79·1	−0·8	76·5
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·911	29·878	−·011	Variable	48	87·1	21st ,,	69·7	24th ,,	86·4	71·2	78·8	−1·3	77·7
	Burdwan	Burdwan	29·839	29·887	−·008	Nly & Calm	31	90·6	21, 22 ,,	67·4	25th ,,	89·6	69·8	79·7	−1·5	76·3
	Bankoora	Bankoora	29·607	29·862	−·029	Calm	37	89·1	21, 22 ,,	66·7	23, 24 ,,	88·5	68·9	78·7	−1·8	75·2
	Beerbhoom, West Burdwan	Raneegunge	29·598	29·899	−·006	NW	47	89·5	19th ,,	67·0	23rd ,,	88·8	68·4	78·6	−2·3	74·7
	Moorshedabad	Berhampore	29·862	29·878	−·019	Variable	31	89·6	21st ,,	69·7	24th ,,	87·7	71·0	79·4	−1·3	76·8
	Nuddea	Krishnaghur	29·876	29·872	−·010	Nly	63	90·8	21st ,,	67·2	20, 24 ,,	89·6	69·6	79·6	−0·7	77·4
	Jessore, Khoolna	Jessore	29·891	29·871	−·021	Calm	41	89·2	21st ,,	69·5	19, 20 ,,	87·8	70·9	79·4	−2·0	77·1
East Bengal.	Chittagong	Chittagong	29·836	29·872	−·020	Calm	35	89·7	19, 20 ,,	69·6	18th ,,	86·3	71·4	78·8	−0·5	77·5
	Chittagong Hill Tracts	Domagiri						Observations not received.								
	Backergunge	Barrisal	29·911	29·868	+·012	NE	43	88·3	20, 21 Oct.	70·0	23, 24 Oct.	86·3	72·3	79·3	−0·4	79·9
	Noakhally	Noakhally	29·885	29·876	+·012	NEly	135	89·0	20, 21 ,,	66·9	24th ,,	86·1	70·0	78·1	−1·4	76·9
	Furreedpore	Furreedpore	29·961	29·888	−0·3	Calm	27	87·5	21st ,,	68·9	24th ,,	85·6	71·0	78·4	−1·3	78·5
	Dacca	Dacca	29·906	29·876	−·008	NEly	60	91·1	21st ,,	69·2	18th ,,	88·3	70·6	79·5	−1·7	78·0
	Commillah	Commillah	29·901	29·887	+·010	N	19	90·9	20th ,,	67·8	24th ,,	87·2	70·7	79·0	−1·6	77·3
	Mymensingh	Mymensingh	29·871	29·885	+·002	ENE	48	89·2	21st ,,	68·6	23rd ,,	87·1	70·7	78·9	−1·2	77·0
North Bengal.	Bogra	Bogra	29·852	29·866	−·002	Calm	31	89·8	20th ,,	67·2	24th ,,	87·6	70·1	78·9	−0·7	76·3
	Pubna	Serajgunge	29·879	29·875	−·015	NEly	17	89·6	21st ,,	69·7	24th ,,	86·6	69·0	77·8	−1·5	76·6
	Rajshahye	Rampore Beauleah	29·854	29·874	−·003	Variable	16	88·3	21st ,,	68·7	19, 21, 24 ,,	87·1	69·4	78·3	−0·7	77·2
	Maldah	Maldah	20·848	29·881	-	NW, SW	70	89·8	20, 21st ,,	66·4	23rd ,,	89·3	68·0	79·0	—	77·2
	Dinagepore	Dinagepore	29·811	29·884	−·019	NE	33	89·1	20, 21 ,,	61·2	23rd ,,	85·5	66·0	77·2	−1·9	75·3
	Rungpore	Rungpore	29·825	29·904	+·002	Variable	31	88·8	20th ,,	66·7	18, 2. 23 ,,	87·7	67·1	77·4	−1·2	74·6
	Julpigoree, Cooch Behar	Julpigoree	29·648	29·891	−·011	N	60	87·9	19th ,,	63·1	19, 20 ,,	86·7	63·3	75·0	−2·9	72·6
	Darjeeling Hill Tracts	Darjeeling	23·044		−·015	ENE	94	60·6	20th ,,	45·2	24th ,,	59·5	46·6	53·0	−0·7	53·6
North Behar.	Purneah, North Bhagulpore	Purneah	29·820	29·902	+·009	Calm	11	88·7	20, 21 ,,	61·8	21, 24 ,,	88·1	62·5	75·4	−3·2	72·7
	Mozufferpore	Mozufferpore	29·743	29·878	—	Calm	31	89·3	19th ,,	63·8	19th ,,	88·5	66·1	77·3	—	74·5
	Durbhunga	Durbhunga	29·782	29·905	0	Calm ESE	21	89·4	18, 20 ,,	66·5	20, 21 ,,	88·8	67·3	78·1	−1·2	75·5
	Chumparun	Motihari	29·705	29·891	+·007	ENE	58	90·2	18, 20 & 21 ,,	62·8	22nd ,,	89·3	64·1	76·7	−0·2	73·7
	Sarun	Chupra	29·760	29·897	+·018	NE	20	91·3	19th ,,	66·6	20th ,,	90·4	67·9	79·2	+0·7	77·6
South Behar.	Shahabad	Dehree	29·586	29·895	−·011	SW, SSW		91·3	19, 20 ,,	65·0	22, 23 ,,	90·0	67·0	78·6	+1·1	77·1
		Buxar	29·702	29·900	0	Variable	67	91·4	19th ,,	67·3	23rd ,,	90·2	69·2	79·7	+0·7	77·7
		Arrah	29·758	29·903	+·015	Nly	6	90·4	18, 20, 23 ,,	65·3	21st ,,	90·1	66·6	78·4	+0·1	77·0
	Gya	Gya	29·568	29·904	+·003	S	113	90·9	18th ,,	65·7	21st ,,	89·8	67·4	78·6	−0·8	75·0
	Patna	Bankipore	29·758	29·895	−·009	S	35	90·4	19, 20, 23 ,,	68·2	23rd ,,	89·9	69·8	79·8	+0·2	79·4
	South Bhagulpore, Monghyr	Bhagulpore	29·769	29·884	+·011	Calm	3	90·2	20, 22 ,,	65·0	22nd ,,	89·8	66·8	78·3	−0·1	77·3
Chutia Nagpur.	Sonthal Pergunnahs	Doomka	29·435	29·886	0	Calm & NW	32	89·1	21st ,,	64·9	22, 23 ,,	88·4	66·7	77·6	−0·7	76·6
	Hazaribagh	Hazaribagh	27·922	29·892	−·008	Variable	99	85·1	24th ,,	63·3	22, 24 ,,	84·0	63·8	73·9	−0·6	74·2
	Lohardugga, Manbhoom	Ranchee	27·799	29·883	−·006	Calm	89	84·0	24th ,,	61·4	23rd ,,	83·0	63·3	72·7	−1·4	73·6
	Singhbhoom	Chybassa	29·160	29·883	0	SW	29	88·4	18th ,,	63·4	23rd ,,	87·5	64·9	76·2	−2·9	72·4
Assam.	Sibsagar	Sibsagar	29·633	29·838	−·008	NE		88·1	19th ,,	62·8	22nd ,,	85·5	64·0	75·0	−2·1	66·2
	Goalpara	Dhubri	29·828	29·901	−·008	ENE	100	85·7	22nd ,,	67·9	23rd ,,	84·5	69·3	76·0	−2·0	72·9
	Cachar	Silchar	29·821	29·878	−·020	Calm		93·0	20th ,,	67·3	22, 23 ,,	90·3	69·9	80·1	−0·1	75·6

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending its returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 24th of October 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
70	3·0	Nil	0·28	2·27	1·71	6·72	−5·01	0·28	2·50	−2·22	0·2[illegible]	1·64	Pooree	Pooree	Orissa.
75	1·1	0·06											Gopalpore		
85	5·3	1·15											False Point		
72	3·6	Nil	Nil	1·68	1·07	4·04	−3·57	Nil	1·86	−1·86	0·09	1·41	Cuttack	Cuttack	
79	0·4	Nil	Nil	0·93		4·16		Nil	1·01	−1·01	0·00	1·12	Balasore	Balasore	
71	5·8	0·15	0·05	2·56	0·07	6·52	−6·45	0·05	2·68	−2·63	0·33	1·45	Saugor Island	South-West Midnapore South 24 Pergunnahs	South-West Bengal.
83	1·7	Nil	Nil	0·99	0·26	3·58	−3·32	Nil	1·10	−1·10	0·0[illegible]	0·80	Midnapore	Midnapore	
78	2·1	Nil	0·05	0·80	0·10	3·43	−3·3[illegible]	0·05	0·88	−0·83	0·30	0·98	Calcutta	24-Pergunnahs Howrah Hooghly	
74	3·0	Nil	Nil	0·8[illegible]	0·35	3·34	−2·99	Nil	0·92	−0·92	0·00	0·95	Burdwan	Burdwan	
76	0·6	Nil	Nil	0·7[illegible]	1·11	2·86	−1·75	Nil	0·85	−0·85	0·00	0·73	Bankoora	Bankoora	
74	0·2	Nil	Nil	0·4	1·32	2·95	−1·63	Nil	0·59	−0·59	0·00	0·59	Raneegunge	Beerbhoom West Burdwan	
86	0·9	Nil	Nil	0·29	1·60	3·59	−1·99	Nil	0·[illegible]2	−0·42	0·00	0·54	Berhampore	Moorshedabad	
52	4·1	Nil	0·07	0·80	0·73	3·51	−2·[illegible]1	0·07	0·93	−0·86	0·20	1·04	Krishnagur	Nuddea	
86	2·4	Nil	0·05	1·03	0·73	3·68	−2·95	0·05	1·15	−1·10	0·13	1·08	Jessore	Jessore Khoolna	
90	5·7	0·23	1·51	1·79	2·72	5·66	−2·94	1·51	1·89	−0·3[illegible]	1·50	1·45	Chittagong	Chittagong	East Bengal.
			1·51	1·22	2·73	5·13	−2·40	1·51	1·3[illegible]	+0·1[illegible]	1·50	1·50	Demagiri	Chittagong Hill Tracts	
78	1·9	0·07	0·12	1·25	0·77	4·60	−3·83	0·12	7·29	−1·17	0·50	1·19	Barrisal	Backergunge	
87	0·9	1·73	1·26	0·9	2·80	5·17	−2·37	1·26	1·19	+0·07	1·5[illegible]	1·08	Noakhally	Noakhally	
85	0·9	Nil	0·05	0·67	0·96	3·76	−2·80	0·05	0·86	−0·81	0·33	1·07	Furreedpore	Furreedpore	
80	2·7	Nil	0·02	0·85	0·75	3·64	−2·89	0·02	1·00	−0·98	0·25	1·13	Dacca	Dacca	
83	4·0	1·58	1·40	0·87	2·04	4·28	−2·24	1·40	1·08	+0·32	1·0[illegible]	0·97	Commillah	Commillah	
85	2·3	0·19	0·26	1·10	0·69	4·71	−4·02	0·26	1·25	−0·9[illegible]	0·40	1·10	Mymensingh	Mymensingh	
87	0	Nil	0·04	0·45	1·81	3·85	−2·04	0·04	0·70	−0·6[illegible]	0·25	0·50	Bogra	Bogra	North Bengal.
87	2·4	Nil	Nil	0·89	2·27	4·02	−1·75	Nil	1·17	−1·17	0·00	1·18	Serajgunge	Pubna	
82	0·7	Nil	Nil	0·5	1·41	3·26	−1·85	Nil	0·58	−0·58	0·00	0·76	Rampore Beauleah	Rajshahye	
78	0	Nil	Nil	0·42	0·99	2·85	−1·86	Nil	0·46	−0·46	0·00	0·30	Maldah	Maldah	
77	0	Nil	Nil	0·34	1·1[illegible]	2·73	−1·62	Nil	0·35	−0·35	0·00	0·34	Dinagepore	Dinagepore	
82	0	Nil	Nil	0·69	4·63	3·65	+0·98	Nil	0·71	−0·71	0·00	0·61	Rungpore	Rungpore	
78	0	Nil	Nil	0·79	1·50	4·03	−2·53	Nil	0·89	−0·89	0·00	0·81	Julpigoree	Julpigoree Cooch Behar	
73	1·3	Nil	Nil	1·19	1·48	4·63	−3·15	Nil	1·26	−1·26	0·00	0·80	Darjeeling	Darjeeling Hill Tracts	
79	0	Nil	Nil	0·51	1·02	2·65	−1·63	Nil	0·53	−0·53	0·09	0·53	Purneah	Purneah North Bhagulpore	North Behar.
81	0	Nil	Nil	0·45	1·03	2·79	−1·76	Nil	0·48	−0·48	0·[illegible]0	0·34	Mozufferpore	Mozufferpore	
			Nil	0·40	0·93	2·47	−1·54	Nil	0·51	−0·[illegible]1	0·00	0·25	Durbhunga	Durbhunga	
78	0	Nil	Nil	0·06	3·69	2·57	+1·12	Nil	0·06	−0·06	0·00	0·11	Motihari	Chumparun	
73	0	Nil	Nil	0·47	0·96	2·75	−1·79	Nil	0·49	−0·49	0·0[illegible]	0·34	Chupra	Sarun	
77	0	Nil											Dehree		South Behar.
68	0·1	Nil	Nil	0·62	0·79	2·70	−1·9	Nil	0·69	−·69	0·00	0·59	Buxar	Shahabad	
76	0	Nil											Arrah		
69	4·4	Nil	Nil	0·41	0·94	2·46	−1·52	Nil	0·42	−0·42	0·0[illegible]	0·49	Gya	Gya	
62	0·4	Nil	Nil	0·73	0·83	2·85	−2·02	Nil	0·78	−0·78	0·[illegible]0	0·59	Bankipore	Patna	
72	0·3	Nil	Nil	0·64	1·48	2·62	−1·14	Nil	0·70	−0·70	0·00	0·58	Bhagulpore	South Bhagulpore Monghyr	
65	0	Nil	Nil	0·64	2·64	3·11	−0·47	Nil	0·74	−0·74	0·09	0·62	Doomka	Sonthal Pergunnahs	
55	0	Nil	Nil	0·39	0·51	2·42	−1·91	Nil	0·40	−0·40	0·00	0·50	Hazaribagh	Hazaribagh	Chota Nagpur.
64	1·3	Nil	Nil Nil	0·50 0·71	0·14	2·33 2·77	−2·63	Nil Nil	0·57 0·74	−0·57 −0·74	0·00 0·00	0·74 0·63	Ranchi	Lohardugga Manbhoom	
77	0·1	Nil	Nil	0·80	1·26	2·28	−1·02	Nil	0·81	−0·81	0·[illegible]	1·05	Chyebassa	Singhboom	
90	7·7	Nil											Sibsagar	Assam	Assam.
81	1·6	Nil											Dhubri		
87	4·3	0·44											Silchar		

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 24th of October 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 18th Oct.	Monday, 19th Oct.	Tuesday, 20th Oct.	Wednesday, 21st Oct.	Thursday, 22nd Oct.	Friday, 23rd Oct.	Saturday, 24th Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA	Pooree	Pooree	...	...	...	...	...	...	...	Nil	Nil	2·07	1·00	7·43	Nil	3·39
		Khurdah	...	...	...	...	...	...	...	Nil	Nil	2·09	4·67	5·82	Nil	2·13
		Banpur	...	...	...	0·21	...	...	...	Nil	Nil	1·23	0·05	4·73	Nil	1·59
		False Point	...	...	...	1·12	0·03	...	...	1	1·15	2·80	1·10	8·91	1·15	2·89
		Gop										?		?		?
		Satpara	...	...	...	...	...	...	...	Nil	Nil	?	0·47	?	Nil	?
		P'pli										?		?		?
	Cuttack	Jagatsingpore	...	...	...	...	...	...	...	Nil	Nil	1·72	Nil	5·38	Nil	2·11
		Banki	...	...	...	...	...	...	...	Nil	Nil	0·93	1·25	3·57	Nil	1·24
		Cuttack	...	...	...	...	...	...	...	Nil	Nil	2·17	1·83	4·57	Nil	2·21
		Kendrapara	...	...	...	...	...	...	...	Nil	Nil	1·89	0·12	5·20	Nil	1·98
		Jajpore	...	...	...	...	...	...	...	Nil	Nil	1·66	1·12	4·45	Nil	1·72
		Dharmsala	...	...	...	...	...	...	...	Nil	Nil	?	3·14	?	Nil	?
		Salipore	...	...	...	...	...	...	...	Nil	Nil	?	1·83	?	Nil	?
	Balasore	*Akhoyapada*	...	...	...	...	...	...	...	Nil	Nil	?	2·52	?	Nil	?
		Chandbali	...	...	...	...	...	...	...	Nil	Nil	1·14		5·46		1·35
		Bhuddruck	...	...	...	...	...	...	...	Nil	Nil	1·13	0·38	3·58	Nil	1·18
		Sorah	...	...	...	...	...	...	...	Nil	Nil	0·86	1·50	3·91	Nil	0·88
		Balasore	...	...	...	...	...	...	...	Nil	Nil	1·62		5·31		1·66
		Jellasore	...	...	...	...	...	...	...	Nil	Nil	0·83	1·00	3·85	Nil	0·41
		Baripodah	...	...	...	...	...	...	...	Nil	Nil	0·47	1·41	2·82	Nil	0·63
SOUTH-WEST BENGAL.	Midnapore	Contai	...	...	...	...	...	...	...	Nil	Nil	3·34	Nil	7·34	Nil	3·42
		Saugor Island	...	...	...	...	0·15	...	...	1	0·15	2·90	0·21	8·08	0·15	3·08
		Tumlook	...	...	...	...	...	...	...	Nil	Nil	1·37	Nil	3·65	Nil	1·41
		Midnapore	...	...	...	...	...	...	...	Nil	Nil	1·30	0·48	4·08	Nil	1·45
		Ghattal	...	...	...	...	...	...	...	Nil	Nil	0·30	0·31	3·02	Nil	0·44
		Kukrahaty	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Garbetta	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	24-Pergunnahs	Diamond Harbour	...	...	...	...	...	...	...	Nil	Nil	1·43	Nil	4·13	Nil	1·52
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	?	0·92	?	Nil	?
		Alipore Jail	...	...	...	...	...	...	...	Nil	Nil	1·15	0·06	3·67	Nil	1·24
		Barrackpore	...	...	...	...	0·10	...	...	1	0·10	0·60	0·22	2·92	0·10	0·70
		Dum-Dum	...	...	...	...	...	...	...	Nil	Nil	1·09	0·10	3·60	Nil	1·09
		Baraset	...	...	...	...	0·15	...	...	1	0·15	0·89	0·25	3·80	0·15	1·00
		Buseerhat	...	...	...	...	...	...	...	Nil	Nil	0·73	Nil	3·65	Nil	0·77
	Howrah	Howrah	...	...	...	...	...	...	...	Nil	Nil	1·02	0·06	3·51	Nil	1·06
		Mohesreka	...	...	...	...	...	...	...	Nil	Nil	0·27	Nil	2·59	Nil	0·31
		Ooloberiah	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Hooghly	Serampore	...	...	...	...	0·24	...	...	1	0·24	0·74	0·24	3·39	0·24	0·80
		Hooghly	...	...	...	...	...	...	...	Nil	Nil	0·87	Nil	3·36	Nil	1·07
		Jehanabad	...	...	...	...	...	...	...	Nil	Nil	0·75	0·02	3·80	Nil	0·81
	Burdwan	Culna	...	...	...	...	...	...	...	Nil	Nil	0·68	Nil	3·21	Nil	0·80
		Burdwan	...	...	...	...	...	...	...	Nil	Nil	0·85	0·45	3·47	Nil	0·99
		Cutwa	...	...	...	...	...	...	...	Nil	Nil	0·26	0·60	3·35	Nil	0·96
		Raneegunge	...	...	...	...	...	...	...	Nil	Nil	0·66	1·57	2·79	Nil	0·69
		Mankur	...	...	...	...	...	...	...	Nil	Nil	?	0·25	?	Nil	?
	Bankoora	Bankoora	...	...	...	...	...	...	...	Nil	Nil	0·94	1·14	3·39	Nil	0·98
		Bishenpore	...	...	...	...	...	...	...	Nil	Nil	0·84	Nil	2·31	Nil	0·98
		Maliara	...	...	...	...	...	...	...	Nil	Nil	0·61	0·37	2·85	Nil	0·70
		Khatra	...	...	...	...	...	...	...	Nil	Nil	0·68	2·93	2·82	Nil	0·71
		Indas	...	...	...	...	...	...	...	Nil	Nil	?	1·90	?	Nil	?
		Kotalpore	...	...	...	...	...	...	...	Nil	Nil	?	1·64	?	Nil	?
		Anda	...	...	...	...	...	...	...	Nil	Nil	?	0·11	?	Nil	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Raipore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sonamukhi	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Beerbhoom	Bh. Soory	...	...	...	...	...	...	...	Nil	Nil	0·84	1·00	3·27	Nil	0·99
		Hetampore	...	...	...	...	...	...	...	Nil	Nil	0·19	0·06	2·38	Nil	0·31
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	0·25	2·73	3·30	Nil	0·35
		Bolpore	...	...	...	...	...	...	...	Nil	Nil	?	1·20	?	Nil	?
		Murari	...	...	...	...	...	...	...	Nil	Nil	?	0·91	?	Nil	?
	Nuddea	Ranaghat	...	...	...	...	0·02	...	...	Nil	0·02	0·75	0·30	3·11	0·02	0·78
		Kishnaghur	...	...	...	...	...	...	...	Nil	Nil	0·59	1·11	3·61	Nil	0·70
		Chooadanga	...	...	...	...	0·31	...	...	1	0·31	0·90	1·21	3·72	0·31	1·17
		Meherpore	...	...	...	...	...	...	...	Nil	Nil	0·86	0·65	3·12	Nil	1·00
		Kooshtea	...	...	...	...	...	...	...	Nil	Nil	0·91	0·50	4·13	Nil	1·00
	Khoolna	Satkhira	...	...	...	...	...	...	...	Nil	Nil	1·04	0·31	3·94	Nil	1·11
		Bagirhat	...	...	...	...	0·34	...	...	1	0·34	1·00	0·34	4·52	0·34	1·08
		Khoolna	...	...	...	...	...	...	...	Nil	Nil	1·27	0·10	3·53	Nil	1·32
		Nakipur	...	...	...	...	...	...	...	Nil	Nil	?	0·23	?	Nil	?
		Rampal	...	...	...	...	...	...	...	Nil	Nil	?	0·70	?	Nil	?
	Jessore	Naraii	...	...	...	...	...	...	...	Nil	Nil	1·35	0·02	3·22	Nil	1·50
		Jessore	...	...	...	...	...	...	...	Nil	Nil	1·03	0·04	3·50	Nil	1·18
		Jhenidah	...	...	...	...	...	...	...	Nil	Nil	1·01	1·59	4·05	Nil	1·17
		Magoorah	...	...	...	...	...	...	...	Nil	Nil	0·77	2·50	3·20	Nil	0·87
		Bongong	...	...	...	...	0·03	...	...	Nil	0·03	0·80	0·43	3·55	0·03	0·96
	Moorshedabad	Kandi	...	...	...	...	...	...	...	Nil	Nil	0·30	2·05	3·21	Nil	0·53
		Berhampore	...	...	...	...	...	...	...	Nil	Nil	0·28	0·56	3·63	Nil	0·30
		Lalbagh	...	...	...	...	...	...	...	Nil	Nil	0·32	0·74	3·99	Nil	0·54
		Azimgunge	...	...	...	...	...	...	...	Nil	Nil	0·[illegible]6	1·38	4·09	Nil	0·37
		Jungipore	...	...	...	...	...	...	...	Nil	Nil	0·[illegible]6	2·71	2·91	Nil	0·44
		Lalgola	...	...	...	...	...	...	...	Nil	Nil	0·25	2·10	3·75	Nil	0·28
		Aurungunj	...	...	...	...	...	...	...	Nil	Nil	?	0·20	?	Nil	?
		Patkabari	...	...	...	...	...	...	...	Nil	Nil	?	0·45	?	Nil	?
EAST BENGAL.	Chittagong	Cox's Bazar	...	...	...	2·45	0·30	0·03	...	2	2·78	2·31	3·52	6·41	2·78	2·41
		Chittagong	...	...	...	0·15	0·08	0·01	...	1	0·24	1·20	1·92	4·92	0·24	1·35
		Kutubdia										?		?	Nil	?
		Satkanya	...	...	...	0·65	0·09	...	...	1	0·74	?	2·59	?	0·74	?
	Chittagong Hill Tracts.	Rangamati	...	...	...	1·08	0·09	...	...	1	1·17	1·22	2·02	5·13	1·17	1·36
		Bundarban	...	...	...	0·8[illegible]	0·04	...	...	1	0·88	?	1·07	?	0·88	?
	Backergunge	Patuakhally	...	...	...	0·07	0·14	...	...	1	0·21	1·30	1·48	5·04	0·21	1·31
		Perozepore	...	...	...	...	...	...	...	Nil	Nil	1·27	0·49	4·80	Nil	1·32
		Burrisal	...	...	...	0·03	0·06	...	...	Nil	0·11	1·43	0·75	4·31	0·11	1·46
		Bhola	...	...	...	0·15	...	...	...	1	0·15	0·90	0·35	6·14	0·15	1·05

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 24th of October 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 18th Oct.	Monday, 19th Oct.	Tuesday, 20th Oct.	Wednesday, 21st Oct.	Thursday, 22nd Oct.	Friday, 23rd Oct.	Saturday, 24th Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
EAST BENGAL —concld.		*Gournaddi* ..	......	......	......	0·53	0·14	......	......	2	0·66	?	0·77	?	0·66	?
		Bauphal ...	......	......	......	......	0·70	......	......	1	0·70	?	2·40	?		?
	Noakholly ...	Noakholly	......	......	......	1·82	0·05	......	......	1	1·87	[illegible]	3·14	5·77	1·87	1·43
		Fenny .	......	......	......	0·50	0·15	......	......	2	0·65	0·67	2·45	4·56	0·65	0·97
		Harishpore ...	......	......	......	0·03						?		?		?
		Ramganj ...	......	......	......	......	0·11					?		?		?
	Furreedpore	Madaripore .	......	......	......	......	0·1[illegible]	......	......	1	0·13	0·59	0·56	3·63	0·13	0·70
		Furreedpore ..	......	......	......	......	......	......	......	Nil	Nil	0·72		3·60		0·84
		Goalundo	......	......	......	......	0·03	......	......	Nil	0·03	0·71	0·50	4·06	0·03	1·05
	Dacca ...	Munshigunge	......	......	......	......	0·08	......	......	Nil	0·08	0·86	0·41	4·39	0·08	1·07
		Dacca .	......	......	......	......	......	......	......	Nil	Nil	0·77	0·18	3·27	Nil	0·79
		Narainkunge	......	......	......	......	......	......	......	Nil	Nil	1·27	1·46	3·49	Nil	1·27
		Manickgunge	......	......	......	......	......	......	......	Nil	Nil	0·64	0·04	3·38	Nil	0·86
		Joydebpore	......	......	......	......	......	......	......	Nil	Nil	?	5·21	?	Nil	·
	Hill Tipperah	Agartola ..	......	......	......	2·00	0·30	......	......	2	2·30	1·02	2·30	4·46	2·30	1·66
	Tipperah ...	Comilla ...	......	......	......	1·88	......	......	......	1	1·88	0·85	2·32	3·59	1·88	0·91
		Chandpore ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	4·53	Nil	0·66
		Brahmunberia	......	......	......	1·40	......	......	......	1	1·40	1·00	3·15	4·20	1·40	1·09
		Ramchandrapore ...	......	......	......	0·48	......	......	......	1	0·48	?	2·90	?	0·48	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	1·30	?	Nil	?
		Dandkandi ..	......	......	......	......	......	......	......	Nil	Nil	?	1·91	?	Nil	?
		Kasba ..	......	......	......	1·35	0·02	......	......	1	1·37	?	0·54	?	1·37	?
		Laksham .	......	......	......	......	......	......	......	Nil	Nil	?	1·70	?	Nil	?
	Mymensingh.	Kishoregunge	......	......	......	......	......	......	......	Nil	Nil	0·74	3·40	4·16	Nil	0·92
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	0·82	0·41	4·40	Nil	1·14
		Mymensingh	......	......	......	......	0·19	......	......	1	0·19	1·16	3·40	4·07	0·19	1·70
		Jamalpore .	......	......	......	......	1·10	......	......	1	1·10	0·90	2·29	4·39	1·10	1·03
		Netrokona ..	......	......	......	......	......	......	......	Nil	Nil	1·86	3·76	5·58	Nil	1·95
		Subornakhally	......	......	......	......	......	......	......	Nil	Nil	?	1·10	?	Nil	?
		Durgapore ...	......	......	......	......	......	......	......	Nil	Nil	?	4·07	?	Nil	?
		Sherepore Town	......	......	......	......	......	......	......	Nil	Nil	?	1·28	?	Nil	?
		Dewanganj ..	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
NORTH BENGAL.	Pubna ...	Pubna ..	......	......	......	......	......	......	......	Nil	Nil	0·83	1·03	3·80	Nil	1·10
		Seraigunge .	......	......	......	......	......	......	......	Nil	Nil	0·94	3·49	4·13	Nil	1·14
	Bogra ...	Sherepore ...	......	......	......	......	......	......	......	Nil	Nil	0·30	1·80	3·69	Nil	0·70
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	0·47	1·95	3·62	Nil	0·79
		Bogra ..	......	......	......	......	......	......	......	Nil	Nil	0·70	1·00	3·41	Nil	0·91
		Panchbibi .	......	......	0·15	......	......	......	......	1	0·15	0·25	2·46	3·66	0·15	0·42
	Rajshahye ...	Beauleah .	......	......	......	......	......	......	......	Nil	Nil	0·55	2·07	3·01	Nil	0·62
		Nattore .	......	......	......	......	......	......	......	Nil	Nil	0·65	1·70	3·85	Nil	0·67
		Naogaon ..	......	......	......	......	......	......	......	Nil	Nil	0·44	0·45	2·02	Nil	0·44
		Lalpore ..	......	......	......	......	......	......	......	Nil	Nil	?	1·20	?	Nil	?
		Mande	......	......	......	......	......	......	......	Nil	Nil	?	0·98	?	Nil	?
	Maldah ...	Maldah .	......	......	......	......	......	......	......	Nil	Nil	0·82	1·15	3·74	Nil	0·85
		Ohanchal ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·82	1·94	Nil	0·06
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	?	2·42	?	Nil	?
		Sibganj ..	......	......	......	......	......	......	......	Nil	Nil	?	2·57	?	Nil	?
	Dinagepore ..	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	0·17	0·97	2·70	Nil	0·31
		Churamon .	......	......	......	......	......	......	......	Nil	Nil	0·08	1·44	1·89	Nil	0·08
		Baigunge	......	......	......	......	......	......	......	Nil	Nil	0·09	0·80	2·57	Nil	0·10
		Dinagepore	......	......	......	......	......	......	......	Nil	Nil	1·18	0·62	[illegible]	Nil	1·19
		Baloorghat	......	......	......	......	......	......	......	Nil	Nil	0·18	1·89	2·36	Nil	0·18
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	?	1·33	?	Nil	?
	Rungpore .	Bhawanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	0·67	3·56	3·88	Nil	0·71
		Rungpore ..	......	......	......	......	......	......	......	Nil	Nil	1·07	10·46	3·84	Nil	1·09
		Kurigram	......	......	......	......	......	......	......	Nil	Nil	0·58	4·33	3·10	Nil	0·58
		Bagdogra									Nil					
		(*Nilphamari*)	......	......	......	......	......	......	......	Nil	Nil	0·44	0·19	3·71	Nil	0·46
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	7·57	?	Nil	?
	Julpigoree ..	Julpigoree .	......	......	......	......	......	......	......	Nil	Nil	1·57	1·48	4·02	Nil	1·62
		Alipore Dooar	......	......	......	......	......	......	......	Nil	Nil	?	2·40	?	Nil	?
		Fallacotta ...	......	......	......	......	......	......	......	Nil	Nil	?	1·40	?	Nil	?
		Debiganj .	......	......	......	......	......	......	......	Nil	Nil	?	2·85	?	Nil	?
		Bhagatpore (Nayrakatta)	......	......	......	......	......	......	......	Nil	Nil	?	5·20	?	Nil	?
	Cooch Behar	Dinhatta .	......	......	......	......	......	......	......	Nil	Nil	0·58	0·97	4·12	Nil	0·75
		Cooch Behar	......	......	......	......	......	......	......	Nil	Nil	0·55	1·70	3·90	Nil	0·61
		Mekligunge	......	......	......	......	......	......	......	Nil	Nil	0·71	2·47	3·18	Nil	[illegible]
		Matabhanga...	......	......	......	......	......	......	......	Nil	Nil	0·54	0·80	4·53	Nil	0·65
	Darjeeling Hill.	Buxa	......	......	......	......	......	......	......	Nil	Nil	2·16	3·52	7·07	Nil	2·4[illegible]
		Silliguri	......	......	......	......	......	......	......	Nil	Nil	0·36	1·45	3·80	Nil	0·36
		Darjeeling .	......	......	......	......	......	......	......	Nil	Nil	1·04	0·82	5·26	Nil	1·06
		Kalimpong	......	......	......	......	......	......	......	Nil	Nil	0·31	0·33	2·41	Nil	0·31
		Kurseong ...	......	......	......	......	......	......	......	Nil	Nil	?	1·04	?	Nil	?
NORTH BEHAR	Purneah ..	Kissengunge...	......	......	......	......	......	......	......	Nil	Nil	0·47	0·11	2·41	Nil	0·47
		Arrareah	......	......	......	......	......	......	......	Nil	Nil	0·44	1·62	2·52	Nil	0·44
		Purneah	......	......	......	......	......	......	......	Nil	Nil	0·90	0·98	2·84	Nil	0·90
		Goandwara ...	......	......	......							?		?	Nil	?
		Balarampore	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
		Manari .	......	......	......	......	......	......	......	Nil	Nil	?	0·30	?	Nil	?
		Kaliaganj	......	......	......	......	......	......	......	Nil	Nil	?	0·65	?	Nil	?
	North Bhagulpore.	Maddapore	......	......	......	......	......	......	......	Nil	Nil	0·30	0·81	3·19	Nil	0·30
		Soopool ..	......	......	......	......	......	......	......	Nil	Nil	0·45	1·02	2·31	Nil	0·45
		Protatganj ..	......	......	......	......	......	......	......	Nil	Nil	?	0·33	?	Nil	?
	Durbhunga ...	Tajpore ..	......	......	......	......	......	......	......	Nil	Nil	0·52	0·17	2·68	Nil	0·54
		Durbhunga	......	......	......	......	......	......	......	Nil	Nil	0·51	1·02	2·64	Nil	0·51
		Madhubani .	......	......	......	......	......	......	......	Nil	Nil	0·44	1·39	2·69	Nil	0·47
		Bahera ..	......	......	......	......	......	......	......	Nil	Nil	?	0·[illegible]2	?	Nil	?
		Roshera .	......	......	......	......	......	......	......	Nil	Nil	?	0·50	?	Nil	?
	Mozufferpore	Sitamarhi	......	......	......	......	......	......	......	Nil	Nil	0·14	2·44	3·22	Nil	0·14
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	0·52	0·23	3·85	Nil	0·84
		Hajipore .	......	......	......	......	......	......	......	Nil	Nil	0·40	0·42	3·34	Nil	0·47
		Paru ..	......	......	......	......	......	......	......	Nil	Nil	?	3·30	?	Nil	?
		Mahua ..	......	......	......	......	......	......	......	Nil	Nil	?	0·13	?	Nil	?
		Sinhar ...	......	......	......	......	......	......	......	Nil	Nil	?	2·16	?	Nil	?
		Pupri .	......	......	......	......	......	......	......	Nil	Nil	?	0·21	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 24th of October 1891—con

Meteorological division.	District.	Station.	RAINFALL.							TOTAL—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.
			Sunday, 18th Oct.	Monday, 19th Oct.	Tuesday, 20th Oct.	Wednesday, 21st Oct.	Thursday, 22nd Oct.	Friday, 23rd Oct.	Saturday, 24th Oct.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.			
NORTH BEHAR—concluded.	Chumparun ...	Motihari .	......	......	......	......	......	......	......	Nil	Nil	0·10	3·98	2 74	Nil
		Bettiah ..	......	......	......	......	......	......	......	Nil	Nil	0·02	3·39	2·34	Nil
		Bagaha ...	......	......	......	......	......	......	......	Nil	Nil	?	9·00	?	Nil
		Burhurwa .	......	......	......	......	......	......	......	Nil	Nil	?	2·10	?	Nil
	Sarun ...	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·06	1·80	2·42	Nil
		Sewan	......	......	......	......	......	......	......	Nil	Nil	0·31	0·70	3·08	Nil
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	0·55	0·33	2·77	Nil
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	0·69	1·02	2 75	Nil
		Dehree .	......	......	......	......	......	......	......	Nil	Nil	0·66	0·50	2·[illegible]4	Nil
		Bhaboooah ...	......	......	......	......	......	......	......	Nil	Nil	0·50	0·48	2·41	Nil
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	0·76	0·77	3·12	Nil
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	0·51	1·31	2·85	Nil
		Mohaniah .	......	......	......	......	......	......	......	Nil	Nil	?	?	?	Nil
	Gya	Aurungabad...	......	......	......	......	......	......	......	Nil	Nil	0·21	0·36	2·40	Nil
		Gya ...	......	......	......	......	......	......	......	Nil	Nil	0·53	1·08	2 09	Nil
		Nowadah ...	......	......	......	......	......	......	......	Nil	Nil	0·51	0 33	2·17	Nil
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	0·37	1·09	3 17	Nil
		Arwal	......	......	......	......	......	......	......	Nil	Nil	?	2·10	?	Nil
		Daudnagar	......	......	......	......	......	......	......	Nil	Nil	?	0·32	?	Nil
		Sherrghatti	......	......	......	......	......	......	......	Nil	Nil	?	1·37	?	Nil
		Rajauli	......	......	......	......	......	......	......	Nil	Nil	?	0·86	?	Nil
		PakriBarawan	......	......	......	......	......	......	......	Nil	Nil	?	1·10	?	Nil
	Patna	Patna ..	......	......	......	......	......	......	......	Nil	Nil	0·78	1·51	2 97	Nil
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	0·70	0·30	2 84	Nil
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	0·72	1·10	2 80	Nil
		Barrh ...	......	......	......	......	......	......	......	Nil	Nil	0·75	0·37	2·75	Nil
		Bickram ..	......	......	......	......	......	......	......	Nil	Nil	?	2·37	?	Nil
		Hilsa .	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil
	Monghyr ...	Begooserai ...	......	......	......	......	......	......	......	Nil	Nil	0·72	1·66	2·50	Nil
		Monghyr	......	......	......	......	......	......	......	Nil	Nil	0·84	4·26	2·91	Nil
		Jamui ..	......	......	......	......	......	......	......	Nil	Nil	0·51	0·80	2·23	Nil
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	?	2·87	?	Nil
		Sheikpura ...	......	......	......	......	......	......	......	Nil	Nil	?	0·50	?	Nil
	South Bhagulpore	Bhagulpore ...	......	......	......	......	......	......	......	Nil	Nil	0·50	0·19	2 65	Nil
		Banka .	......	......	......	......	......	......	......	Nil	Nil	0·62	0·48	2 81	Nil
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	?	0·20	?	Nil
		Bongaon ..	......	......	......	......	......	......	......	Nil	Nil	?	0·15	?	Nil
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	0·47	4·15	2·56	Nil
		Godda ...	......	......	......	......	......	......	......	Nil	Nil	0·35	1·37	2·36	Nil
		Pakour	......	......	......	......	......	......	......	Nil	Nil	0·62	6·90	3·96	Nil
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	0·64	0·32	3·37	Nil
		Deoghur	......	......	......	......	......	......	......	Nil	Nil	1 00	0·91	3·01	Nil
		Jamtara ...	......	......	......	......	......	......	......	Nil	Nil	0·77	1·81	2 81	Nil
		Mohagama ..	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil
		Nanihat ...	......	......	......	......	......	......	......	Nil	Nil	?	0·45	?	Nil
CHOTA NAGPUR.	Hazaribagh ..	Pachamba ... (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	0·69	0·21	2·68	Nil
		Hazaribagh ..	......	......	......	......	......	......	......	Nil	Nil	0·49	0·27	2·80	Nil
		Semtagurah	......	......	......	......	......	......	......	Nil	Nil	0·15	0·43	2·25	Nil
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	0·16		1·88	Nil
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	0·44	0·90	2·46	Nil
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil
		Chatra ...	......	......	......	......	......	......	......	Nil	Nil	?	0·71	?	Nil
		Karagdeha ...	......	......	......	......	......	......	......	Nil	Nil	?	0·58	?	Nil
		Ramghar ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil
	Lohardugga ...	Lohardugga...	......	......	......	......	......	......	......	Nil	Nil	0·64	0·33	2·21	Nil
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	0·52	0·13	2·54	Nil
		Palamow ..	......	......	......	......	......	......	......	Nil	Nil	0·35	0·07	2·24	Nil
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	?	0·20	?	Nil
		Balumat ...	......	......	......	......	......	......	......	Nil	Nil	?	0·98	?	Nil
		Hosseinabad	......	......	......	......	......	......	......	Nil	Nil	?	0·20	?	Nil
		Gurwah ...	......	......	......	......	......	......	......	Nil	Nil	?	1·66	?	Nil
	Singbhoom .	Chyebassa ...	......	......	......	......	......	......	......	Nil	Nil	0·80	1·26	2·28	Nil
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	?	2·08	?	Nil
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	?	0·51	?	Nil
	Manbhoom ...	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	0·67	Nil	2·74	Nil
		Gobindpore ..	......	......	......	......	......	......	......	Nil	Nil	0·75	0·29	2·80	Nil
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	?	0·09	?	Nil
		Burrabhoom	......	......	......	......	......	......	......	Nil	Nil	?	0·68	?	Nil
		Jhalda ...	......	......	......	......	......	......	......	Nil	Nil	?	0·00	?	Nil
		Chas ...	......	......	......	......	......	......	......	Nil	Nil	?	0·35	?	Nil

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. I[illegible] the return are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a [illegible] as when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 27th October* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 24TH OF OCTOBER 1891.

SETTLED weather has prevailed throughout the week in the northern districts and in Lower Bengal, except on two days in the latter half of the week when, owing to the depression in the south-west of the Bay, cloudy and in parts showery weather obtained. At the beginning of the week pressure was about ·05 inch below the normal in the south of the Bay and as much above in the west of Behar, so that gradients were steeper than is usual at this season. Consequently northerly breezes were blowing at all stations, and dry air with comparatively low temperature prevailed. The low-pressure area in the south of the Bay gradually deepened and concentrated off the Madras coast, where it remained stationary almost till the end of the week, and the slow fall of pressure which had been going on in Bengal during the previous week continued till readings were about a twentieth of an inch below the normal; but as the fall was very uniform over the Bay and Bengal, the distribution underwent very little relative change. Almost general rain fell at the Madras stations day after day, and the influence of the depression on the general weather conditions gradually advanced northwards, becoming apparent in Orissa and Lower Bengal, on Wednesday the 21st, in cloudy skies and local showers, especially in East Bengal On the 22nd light cloud continued, and showers again fell in East Bengal and part of South-West Bengal, but after that there was clear sky and rainfall ceased.

The rainfall in East Bengal may have been partly due to local causes, as pressure fell there much more rapidly on the 23rd than in other districts, and squally weather with very heavy rain was reported from Akyab, but with the rise of pressure in the south of the Bay after the depression passed inland, conditions became settled over the whole province. No rain fell in Chutia Nagpur and Behar, and practically none in the other districts except East Bengal.

Pressure on an average for the week has been normal in the northern districts and about ·02 inch below in South-West Bengal. At the beginning of the week there was excess of about ·05 inch in the west of Behar diminishing to ·02 inches at the head of the Bay. The general tendency has been downwards, but changes have been very small except on the 22nd, when there was a brisk fall at some of the eastern stations, followed by a moderate rise. The depression in the south of the Bay was shallow throughout, and the greatest defect was about ·15 inch at Negapatam. The means for the week being normal is due to the small excess at the beginning counterbalancing the small defect at the end.

Temperature has at times changed irregularly, but it has generally fallen, and the defect of about 2° which prevailed at the beginning of the week has been maintained except in Behar and part of Chutia Nagpur, where there was a rather rapid rise during the last day or two, resulting in excess of between 1° and 2°. Means for the week are below the normal in all districts except South Behar, where there is a slight excess. Defect is 1° in Chutia Nagpur and North Behar, 1·2° in East Bengal, 1·4° in South-West Bengal and Assam, 1·5° in North Bengal, and 2° in Orissa.

Rainfall was almost general in the following districts on the 21st and 22nd:—Chittagong, Chittagong Hill Tracts, Backergunge, and Noakhally; scattered in Furreedpore, Tipperah, Mymensingh, Nuddea, and Khoolna; and very scattered in Orissa and other districts of South-West Bengal No rain fell in Behar and Chutia Nagpur, and only one shower was reported in North Bengal The mean fall is very nearly half an inch in East Bengal, ·08 inch in Orissa, and ·03 inch in South-West Bengal.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 24th of October 1891:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE. Highest observed during week.	Lowest observed during week.	Averages for week. Of highest of each day.	Of lowest of each day.	Of mean for each day.	Average mean of week above or below normal mean of week.	RAINFALL. Of week. Average.	Normal average.	Variation.	Rainy days. Average number in week.	Normal average number in week.	Variation.	Since 1st of month. Average.	Normal average.	Since 16th Oct. 1891. Average.	Normal average.
Orissa	90·7	65·8	88·0	71·4	79·7	−2·0	0·08	1·54	−1·46	0·07	1·35	−1·28	1·13	8·00	0·08	1·09
South-West Bengal ...	90·8	65·2	85·2	70·2	79·2	−1·5	0·03	0·87	−0·84	0·13	0·98	−0·78	0·67	8·03	0·03	0·98
East Bengal	91·1	65·9	86·7	71·0	78·9	−1·2	0·57	1·05	−0·48	0·64	1·13	−0·49	1·75	4·75	0·57	1·19
North Bengal	89·8	61·2	87·6	67·6	77·6	−1·5	0·01	0·58	−0·57	0·04	0·61	−0·57	1·03	3·40	0·01	0·67
North Behar	91·3	61·8	89·0	65·6	77·3	−1·0	Nil	0·43	−0·43	0·00	0·29	−0·29	1·56	2·64	Nil	0·44*
South Behar	91·4	64·9	89·7	67·6	78·7	+0·1	Nil	0·61	−0·61	0·00	0·58	−0·58	1·37	2·78	Nil	0·67
Chutia Nagpur	85·1*	61·4*	83·0*	63·8*	73·8*	−1·0*	Nil	0·51	−0·51	0·09	0·64	−0·64	0·30	1·44	Nil	0·54
Assam	93·0	63·8	86·8	67·9	77·3	−1·4										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 27th October 1891.

C. LITTLE,
for Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 18th to 24th October 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Oct.	18th	147·6	10·5	29·876	78·2	86·5	15·8	70·7	72·9	0·741	70·3	78	NNW ...	70	Nil	Chiefly clear, ⏏.
,,	19th	140·1	10·2	·885	78·5	86·6	15·1	71·5	72·9	·736	70·0	77	WNW, NNW and WSW.	63	,,	Chiefly clear, ⏏.
,,	20th	141·3	7·4	·869	78·1	87·2	17·0	70·2	73·1	·750	70·6	79	WSW, W and SW by W.	52	,,	Partially cloudy, ⏏.
,,	21st	140·5	4·3	·847	79·0	85·6	12·9	72·7	74·9	·812	73·0	82	NNE and variable	51	Not measurable.	Chiefly cloudy, o, d, t, ⏏.
,,	22nd	148·6	8·5	·823	78·8	85·6	13·1	72·5	74·2	·784	71·9	80	NNE, calm and variable.	53	Nil	Partially cloudy, ⏏.
,,	23rd	139·5	9·8	·846	78·3	86·4	15·7	70·7	73·6	·766	71·2	80	NNW, ESE and calm.	37	,,	Partially cloudy, ⏏.
,,	24th	142·4	9·7	·870	77·5	85·7	16·1	69·6	72·0	·712	69·1	77	W by N and calm	59	,,	Partially cloudy, ⏏.

	Inches.
The mean pressure of the seven days	29·859
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·865
	Hours.
The total number of hours of bright sunshine	60·4
The maximum possible number of hours of sunshine	80·4
	°
The mean temperature of the seven days	78·3
The average temperature of the corresponding period for 24 years, S.-G.'s Office	80·8
The extreme variation of temperature	17·6
The maximum temperature	87·2
	Miles.
The highest velocity of the wind in one hour	7
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	79
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	77
	Inches.
The total fall of rain from 18th to 24th October 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	1·18
The total fall from 1st January to 24th October 1891	46·42
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	63·28

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

⏏, dew; o, overcast; d, drizzling rain; t, thunder.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 26th October 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 18th to 24th October 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature. Daily mean.	Maximum.	Range.	Minimum.	Hygrometry. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
October ...	18th ...	29·979	79·4	88 0	17·2	70·8	84·6	74·1	·702	68·7	59	Nil
" ...	19th ...	·961	80·3	88·8	17·0	71·8	85·0	71·0	·572	62 8	47	"
" .	20th .	·918	79·9	89·0	18·2	70·8	84·6	72 6	·641	66·0	54	"
" ...	21st ...	·904	80·4	87·5	14·2	73·3	84·3	76·5	·809	72 6	70	"
" ...	22nd ...	·873	79 9	87·0	14·2	72·8	83·6	76·3	·810	72·9	70	"
" ...	23rd ..	·901	79·7	88 0	16·7	71·3	83·4	74·5	·735	70·0	64	"
" ...	24th ...	·949	78·9	88·0	18·2	69·8	83·8	73·8	·700	68 6	60	"

				Inches.
The mean 10 A.M. pressure of the seven days	...	...	...	29·929
The mean temperature of the seven days	...	...	...	79 8
The extreme variation of temperature	...	...	...	19 2
The maximum temperature ...	...	...	...	89 0
				%
The mean 10 A.M. relative humidity of the seven days		...	...	61
The total fall of rain from 18th to 24th October 1891		...	...	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 26th October 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 26th September 1891.

DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION. Male.	POPULATION. Female.	POPULATION. Total.	BIRTHS. Number of— Male.	Number of— Female.	Number of— Total.	Ratio per 1,000 of population per annum. Male.	Ratio per 1,000. Female.	Ratio per 1,000. Total.	Ratio of male births to every 100 female births.	MORTALITY ACCORDING TO— Diseases. Deaths from— Cholera.	Deaths from— Small-pox.	Deaths from— Fever.	Deaths from— Dysentery and diarrhœa.	Deaths from— Injury.	Deaths from— Other causes.	Deaths from— All causes.	Ratio per 1,000 of population per annum. Cholera.	Ratio. Small-pox.	Ratio. Fever.	Ratio. Dysentery and diarrhœa.	Ratio. Injury.	Ratio. Other causes.	Ratio. All causes.	Ratio of deaths per 1,000 of population per annum in the preceding week.	Sex. Deaths. Male.	Sex. Deaths. Female.	Ratio per 1,000 of population per annum. Male.	Ratio per 1,000. Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
1	2	3			4			5			6	7							8							9	10		11		12
Burdwan	Burdwan ...	18,063	16,017	34,060	9	7	*16*	13·7	10·7	*24·4*	128	2	.	16	3	1	1	*23*	3·1		[illegible]	4·6	1·5	1·5	*35·1*	47·3	11	12	31·7	39·0	61
	Raniganj ...	6,243	4,691	10,9 7	3	8	*11*	14·3	38·0	*52·3*	37	...		4	2	..	1	*7*	..		19·0	9·5	.	4·5	*33·3*	14·3	4	3	33·3	33·3	100
Bankura	Bankura ...	8,970	8,925	17,895	5	3	*8*	14·5	8·7	*23·2*	166	..	1	7	...	..	2	*10*	...	2·9	20·3	.	..	5·8	*29·1*	20·3	4	6	23·2	35·0	66
Birbhum	Soori ...	3,982	3,866	7,848	1	..	*1*	6·6	.	*6·6*	No male birth.	...	.	..	...	..	1	*1*	.	.	..	...	..	6·6	*6·6*	33·1	..	1	...	13·5	No male death.
Midnapore	Midnapore ...	16,927	16,633	33,560	4	8	*12*	6·2	2·4	*18·6*	50	..	..	4	4	.	8	*16*	.		6·2	6·2	...	12·4	*24·8*	18·6	8	8	24·6	25·0	98
Hughli, including Serampore.	Hughli and Chinsurah.	15,558	15,529	31,087	7	8	*15*	11·5	13·1	*24·6*	87	7		22	8	..	8	*45*	11·		[illegible]	3·1	..	13·1	*73·8*	59·1	21	24	68·9	78·3	87
	Serampore ..	13,559	12,937	26,496	8	8	*16*	15·7	15·7	*31·4*	[illegible]	1	..	13	7	.	5	*26*	2·0		25·5	13·7	...	9·8	*51·0*	70·7	10	16	38·4	64·3	59
	Utterpara ..	3,046	2,4 4	5,51	2	1	*3*	18·9	9·4	*28·3*	200	...	.	1	1	.	3	*5*	..		9·4	9·4	.	28·3	*47·2*	18·9	5	...	85·4	...	No female death.
Howrah	Howrah ...	53,153	37,660	90,813	25	24	*49*	14·3	13·7	*28·1*	104	5	1	14	10	3	13	*46*	2·9	·6	8·0	5·7	1·7	7·4	*26·3*	20·6	29	17	26·4	23·5	120
	Bali ..	7,836	6,979	14,815	3	1	*4*	10·5	3·5	*14·0*	300	1		6	1	.	1	*9*	3·5		21·1	3·5	..	3·5	*31·6*	10·5	5	4	33·2	29·8	111
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	6	7	*13*	11·9	13·5	*25·7*	85		..	17	3	...	2	*22*	...	.	33·6	5·9	...	4·0	*43·5*	43·5	18	4	58·2	20·4	285
	Manicktola .	16,536	12,112	28,648	2	3	*5*	3·6	5·4	*9·1*	66	4	.	8	...		4	*16*	7·2		14·5	.	...	7·2	*29·0*	20·0	11	5	34·6	21·5	161
	Baranagore ...	15,920	14,062	29,982	10	8	*18*	17·3	13·9	*31·2*	125	20	..	27	4	.	3	*54*	4·7		46·8	6·9	.	5·2	*93·7*	31·7	28	26	91·5	96·1	95
	South Suburban*																														
Nuddea	Krishnagar ...	13,263	14,214	27,477	7	5	*12*	13·2	9·5	*22·7*	140		.	5	.	.	3	*8*	.	.	9·5		.	5·6	*15·1*	22·7	5	3	19·6	11·0	178
	Ranaghat ..	4,028	4,655	8,68[illegible]	1	1	*2*	6·0	6·0	*12·0*	100	.		3	..	...	1	*4*	..		18·0		...	6·0	*24·0*	18·0	2	2	25·8	22·3	115
	Santipore ..	13,708	15,979	29,687	9	8	*17*	15·8	14·0	*29·8*	112	...		4	2	1	4	*11*	..		7·0	3·5	1·8	7·0	*19·3*	5·3	1	10	3·8	32·5	11
Jessore	Jessore	4,8[illegible]0	3,665	8,495	..			..	.	.	...	..	..	.	..	.	2	*2*	..	..	.		.	12·2	*12·2*	..	1	1	10·8	14·3	76
Murshedabad	Berhampore ...	11,6[illegible]7	11,449	23,6[illegible]5	1	10	*11*	2·2	22·0	*24·2*	10	5		9	1	.	9	*24*	11·0		19·[illegible]	2·2	...	19·8	*52·9*	62·9	16	8	71·4	31·8	205
	City Murshedabad	18,301	2[illegible],33[illegible]	39,2[illegible]1	12	12	*24*	15·9	15·9	*31·8*	100	..		23	..		2	*26*		.	30·5	..	...	4·0	*34·5*	29·8	11	15	29·3	38·4	78
Khulna ..	Khulna	3,249	3,043	6,292	2	4	*6*	16·5	33·0	*19·6*	50	.		3	1		.	*4*	.		24·8	8·2	..	..	*33·0*	8·2	2	2	32·0	34·2	93
Dinajpore ...	Dinajpore ...	7,264	5,316	12,580	1	1	*2*	4·1	4·1	*8·8*	100		.	11	1	..	7	*19*			45·5	4·1	.	29·0	*78·7*	41·4	11	8	78·9	78·4	100

Rajshahye ...	Rampore Beauleah	10,768	9,025	19,791	6	5	*11*	15·8	13·1	*28·9*	120	..	...	15	1	...	1	*17*	...	...	39·4	2·6	...	2·6	*41·7*	73·6	13	5	38·0	28·8	201
Rungpore ...	Rungpore	8,011	5,309	13,32[illegible]	4	7	*11*	15·6	27·3	*42·9*	57	..	...	2	...	..	4	*6*	..	...	7·8	...	...	15·6	*23·4*	74·2	1	5	6·5	49·0	132
Bogra ...	Bogra	3,480	2,699	6,179	1	...	*1*	8·4	..	*8·4*	No female birth.	1	...	2	2	.	1	*6*	8·4	...	16·8	16·8	...	8·4	*50·8*	67·3	5	1	74·7	19·3	387
Pubna ...	Pubna	7,701	7,566	15,267	7	4	*11*	23·8	13·6	*37·5*	175	...	.	3	...	1	10	*14*	..	...	10·2	...	3·4	34·1	*47·7*	13·6	10	4	67·5	27·5	214
	Serajganj*																														
Darjeeling ...	Darjeeling	4,579	2,439	7,018	2	2	*4*	14·8	14·8	*29·6*	100	...	..	12	1	...	5	*18*	...	...	88·9	7·4	...	37·0	*133·4*	81·5	7	11	79·5	234·5	34
Julpaiguri ...	Julpaiguri	4,972	2,975	7,947	3	2	*5*	19·6	13·1	*32·7*	150	...	...	...	1	...	..	*1*	...	...	...	6·5	...	...	*6·5*	3·3	1	..	19·5	...	No female death.
Dacca ...	Dacca	42,782	37,379	80,161	12	10	*22*	7·8	6·5	*14·3*	120	1	...	13	6	1	11	*32*	·6	...	8·4	3·9	·6	7·1	*20·7*	17·5	19	13	23·1	18·1	127
	Narainganj ..	7,605	4,956	12,561	5	1	*6*	20·7	4·1	*24·8*	500	...	.	7	1	...	2	*10*	...	..	29·0	4·1	..	8·3	*41·4*	37·3	7	3	47·9	31·5	152
Faridpore ...	Faridpore	5,663	4,600	10,263	1	1	*2*	5·0	5·0	*10·1*	100	...	..	1	1	...	...	*2*	...	...	5·0	5·0	..	...	*10·1*	31·4	1	1	9·2	11·3	81
Backerganj ...	Barisal	8,701	4,485	13,186	4	2	*6*	15·7	7·9	*23·6*	200	...	..	3	...	.	3	*6*	...	...	11·8	...	...	11·8	*23·6*	27·6	4	2	23·9	23·2	103
Mymensing ...	Nasirabad ...	10,443	4,413	14,856	1	...	*1*	3·5	...	*3·5*	No female birth.	...	.	2	1	..	1	*4*	...	..	7·0	3·5	..	3·5	*14·0*	7·0	2	2	10·0	23·6	43
Chittagong ..	Chittagong ...	13,340	8,790	22,1[illegible]0	2	...	*2*	4·7	.	*4·7*	Ditto	..		3	...	...	2	*4*	...	...	4·7	...	...	4·7	*9·4*	7·0	2	2	7·8	11·8	66
Noakhali ...	Sudharam ...	3,410	1,714	5,124	.	...	...	.	..	...	...		.	1	...	...	1	*2*	...		10·1	...	..	10·1	*20·2*	30·4	...	2	...	60·7	No male death.
Tipperah ...	Comillah	8,153	5,353	13,506	6	2	*8*	23·1	7·7	*30·8*	300	...	..	5	.	...	2	*7*	...	..	19·3	...	..	7·7	*27·0*	5·8	3	4	19·1	38·9	49
Patna ...	Patna City ..	78,76[illegible]	91,475	1[illegible]0,237	34	30	*64*	11·0	9·7	*20·8*	113	12	..	30	...	...	26	*77*	3·0	.	12·7	...	...	8·4	*25·0*	25·0	41	37	2[illegible]·4	23·6	111
	Behar	23,799	25,172	48,971	21	23	*44*	22·3	24·4	*46·7*	91	..		19	4	..	10	*33*	...	...	20·2	4·2	..	10·6	*35·0*	29·7	14	19	30·6	39·2	78
Gya ...	Gya	38,290	37,831	7[illegible],121	18	22	*40*	12·3	15·0	*27·3*	81	31		57	...	...	31	*119*	21·2	...	38·9	...	...	21·2	*81·4*	4[illegible]·9	67	52	9[illegible]·0	71·5	127
Shahabad ..	Arrah	20,960	22,505	43,465	30	11	*41*	35·9	13·2	*49·1*	272	3	..	16	1	...	2	*22*	5·6		19·1	1·2	...	2·4	*26·3*	25·1	12	10	29·8	23·1	129
	Buxar	9,299	8,309	17,608	4	1	*5*	11·8	2·9	*14·7*	400	...	...	2	.	...	...	*2*	...	...	5·9	..	...	...	*5·9*	29·4	2	...	11·2	...	No female death.
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	19	11	*30*	23·1	1[illegible]·4	*36·5*	172	2	..	8	5	...	10	*25*	2·4	..	9·7	6·1	...	12·2	*30·4*	35·3	18	7	40·5	18·5	218
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	27	30	*57*	2[illegible]2	23·6	*44·8*	90	1	...	18	3	...	11	*33*	·8	...	14·2	2·4	...	8·6	*26·0*	18·1	17	16	26·2	25·7	101
Sarun ...	Chupra	25,116	26,554	51,670	15	2	*17*	15·1	2·0	*17·1*	750	8	...	11	3	...	12	*34*	8·0	...	11·1	3·0	...	12·1	*34·2*	40·3	18	16	37·3	31·3	119
Chumparun ...	Motihari	6,328	3,979	10,307	4	4	*8*	20·2	20·2	*40·4*	100	...	..	5	2	...	4	*11*	..	...	25·2	10·1	...	20·2	*55·5*	55·6	7	4	57·5	52·3	109
Monghyr ...	Monghyr	28,1[illegible]4	29,3[illegible]6	57,52[illegible]	21	21	*42*	19·0	19·0	*38·0*	100	12	...	12	6	1	15	*46*	10·8	...	10·8	5·4	·9	13·6	*41·6*	64·2	19	27	35·1	47·8	73
	Jamalpore	7,456	6,107	13,563	8	11	*19*	30·6	42·2	*72·8*	72	...	...	3	2	..	11	*16*	.	..	11·5	7·6	...	42·2	*61·3*	46·0	9	7	62·8	59·6	105
Bhagulpore ...	Bhagulpore ...	31,916	33,322	65,238	16	9	*25*	12·2	6·9	*19·1*	177	5	..	20	7	...	17	*49*	3·8	...	15·2	5·3	...	13·0	*37·3*	23·6	30	19	44·7	29·7	150
Purneah ...	Purneah	8,463	6,553	15,016	4	1	*5*	13·8	3·5	*17·3*	400	.	...	4	...	1	1	*6*	...	...	13·8	...	3·5	3·5	*20·8*	31·2	4	2	24·6	13·9	154
Maldah ...	English Bazar ...	6,289	6,141	12,430	5	6	*11*	20·9	25·1	*46·0*	83	..		14	4	...	2	*20*	...	...	58·6	16·7	...	8·4	*83·7*	58·6	14	6	115·8	50·8	223
Sonthal Pergunnahs.	Deoghur	4,964	3,[illegible]41	8,005	2	4	*6*	13·0	26·0	*39·0*	50	...	..	4	1	...	...	*5*	...	...	26·0	6·5	...	...	*32·5*	45·5	3	2	31·4	34·2	92
Cuttack ...	Cuttack	22,632	20,607	43,239	11	11	*22*	13·2	13·2	*26·5*	100	..	...	...	...	...	8	*8*	...	...	...	...	...	9·6	*9·6*	Data not available.	7	1	16·1	2·5	614
Poori ...	Poori	13,247	11,537	24,7[illegible]4	6	8	*14*	12·6	16·8	*29·4*	75	...	...	4	5	...	4	*13*	...	...	8·4	10·5	...	8·4	*27·3*	25·2	7	6	27·5	27·0	101
Balasore ...	Balasore	10,282	9,983	20,2[illegible]5	5	3	*8*	12·6	7·7	*20·5*	166	...	.	6	1	...	2	*9*	.	...	15·4	2·6	...	5·1	*23·1*	29·2	5	4	25·3	2[illegible]·3	121
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	5	7	*12*	17·0	23·8	*40·8*	71	5	...	1	2	...	2	*10*	17·0	..	3·4	6·8	...	6·8	*34·0*	23·8	7	3	47·7	20·3	235
Lohardugga ...	Ranchi	10,101	8,342	18,443	8	12	*20*	22·6	35·8	*56·4*	66	...	...	3	2	...	1	*6*	...	...	8·5	5·6	...	2·8	*16·9*	22·6	4	2	20·6	12·5	164
Singbhum ...	Chaibassa	3,126	2,880	6,006	3	..	*3*	26·0	...	*26·0*	No female birth.	..	..	1	1	...	...	*2*	...	..	8·6	8·6	...	...	*17·3*	26·0	2	...	33·3	...	No female death.
Manbhum ...	Purulia	5,060	4,244	9,304	7	7	*14*	39·1	39·1	*78·2*	100	..	.	3	...	...	1	*4*	...	...	16·8	...	...	5·6	*22·4*	35·5	2	2	20·6	24·5	84
	Total ...	834,413	750,587	1,5[illegible]5,3[illegible]0	445	397	*842*	14·6	13·0	*27·6*	112	126	2	515	111	9	294	*1,057*	4·1	·1	16·9	3·6	·3	9·6	*34·7*	31·6	585	472	36·5	32·7	111

* Return not received up to date.

Districts.	Names of Municipalities.	13. Mortality according to— Class. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	14. Class. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	15. Age. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Age. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	13	10	...	...	...	28·5	50·7	...	...	3	1	...	...	..	5	1	1	8	4	236·4	23·0	..	...	...	32·8	7·5	11·8	169·5	140·4
	Raniganj	.	7	...	...	.	.	40·8	..	...	...	...	1	...	1	1	1	1	...	...	2	...	52·8	...	57·1	63·6	21·5	24·2	...	...	249·4
Bankura ...	Bankura	...	8	2	..	...	...	24·5	121·1	..	...	3	3	1	...	..	...	...	1	1	1	329·8	81·6	23·0	...	...	...		23·5	47·0	52·4
Birbhum ...	Soori	...	1	...	...	...	..	8·9	...		...	.	...	...	...	...	1	..	...	...	...	...	...	..	...	...	36·8	...	..	...	...
Midnapore ...	Midnapore ...	...	12	4	...	...	...	24·1	28·8	..	...	1	3	1	...	...	3	2	2	1	3	70·0	66·3	13·9	...	..	21·2	18·8	27·9	25·2	85·3
Hughli, including Serampore.	Hughli and Chinsurah.	...	42	3	...	...	.	86·4	25·3	..	...	6	7	3	...	...	5	8	5	1	10	388·5	163·8	54·1	...	...	41·9	72·9	62·3	20·0	250·8
	Serampore ...	1	17	8	...	..	163·0	35·2	443·5	..	...	2	2	4	2	...	5	2	6	...	3	146·5	57·6	82·7	46·8	...	48·3	20·3	92·5	...	112·1
	Utterpara ..	...	5	...	..	..	...	48·8	...	...	..	3	...	...	...	...	...	...	2	...	..	563·9	...	...	...	...	...	...	148·4	...	...
Howrah ...	Howrah	1	41	4	...	...	27·[illegible]	31·3	10·1	.	...	4	5	5	1	2	8	7	3	4	7	100·8	46·9	41·3	7·9	14·2	18·3	18·9	13·3	37·9	97·0
	Bali	...	8	1	...	...	...	31·0	30·7	..	...	...	1	3	1	..	...	...	...	1	3	...	52·1	146·3	43·8	...	...	...	...	49·6	213·1
24-Pergunnahs.	Cossipore-Chitpore	...	17	5	..	...	...	48·4	33·0	...	..	2	1	..	...	1	3	3	6	2	4	217·6	59·0	...	...	57·2	16·4	24·4	124·7	106·9	444·4
	Manicktola ...	...	9	5	..	2	...	28·0	22·6	..	328·1	5	...	2	1	...	3	1	2	2	..	4,193·5	...	642·0	44·6	...	19·2	6·4	23·1	64·0	...
	Baranagore ..	...	5	3	...	...	..	103·0	37·6	...	...	3	10	7	1	2	11	6	6	2	6	230·4	253·3	146·0	22·2	45·4	59·3	53·4	75·7	50·3	186·3
	South Suburban*																														
Nuddea ...	Krishnagar ...	...	6	2	...	...	..	16·7	12·6	...	...	1	...	1	1	...	...	2	1	1	1	104·8	...	15·1	18·5	...	...	24·3	13·9	24·7	50·1
	Ranaghat	...	4	...	...	...	...	26·4	...	.	...	...	2	...	...	...	..	...	...	...	2	...	130·8	...	...	..	...	...	...	...	182·8
	Santipore	...	10	1	...	..	...	25·1	5·8	...	...	4	1	...	...	...	2	..	1	...	3	243·2	17·9	...	...	..	21·2	...	14·8	...	79·4
Jessore ...	Jessore	...	2	...	...	...	...	23·1	...	...	...	1	..	...	..	...	...	...	1	...	...	268·0	...	...	...	...	...	...	49·5	...	...
Murshedabad.	Berhampore ...	2	19	3	...	...	442·6	54·4	30·1	..	..	6	4	...	..	1	1	6	2	3	1	827·6	139·5	...	...	29·5	11·7	70·4	53·2	83·0	38·5
	City Murshedabad	...	20	6	...	...	...	45·8	19·7	...	...	3	2	2	3	1	1	2	1	5	6	204·5	42·2	30·2	54·3	20·1	7·1	14·3	8·9	73·2	100·8
Khulna ...	Khulna	...	2	2	...	.	...	32·6	34·1	...	..	1	2	..	..	.	1	...	...	...	...	409·4	130·3	...	...	..	48·5	...	...	...	...
Dinajpore ...	Dinajpore ..	...	9	10	...	...	...	77·2	81·2	...	...	2	1	8	2	1	...	3	1	...	1	504·9	60·2	332·3	104·0	51·2	...	63·1	33·2	...	81·4
Rajshahye ...	Rampore Beauleah	...	8	9	...	...	...	42·0	47·7	...	...	...	4	2	1	1	1	1	3	1	3	...	146·7	50·0	28·9	31·3	12·5	14·4	63·6	41·9	168·0
Rungpore ...	Rungpore ...	...	2	4	..	...	...	16·1	31·3	...	...	1	1	...	1	.	1	1	1	.	...	223·2	58·1	...	47·0	...	16·4	18·9	38·9	...	...
Bogra ...	Bogra	...	4	2	...	...	.	78·0	30·0	...	...	1	...	...		...	1	1	...	1	2	379·6	..	...	.	...	39·4	48·6	...	157·6	331·2

District	Town																														
Pubna ...	Pubna ...	...	5	9	...	...	...	36·4	57·7	...	...	3	3	1	1	...	...	...	3	1	2	392·9	107·0	30·8	37·7	...	...	...	91·5	51·4	104·5
	Serajganj* ...																														
Darjeeling ...	Darjeeling ...	...	16	2	...	...	...	181·1	169·9	...	...	3	3	3	1	1	1	1	4	...	1	1289·3	242·6	266·7	106·6	81·3	26·0	36·3	300·6	...	377·7
Julpaiguri ...	Julpaiguri ...	...	1	...	...	...	...	12·2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	34·3	...	...	...
Dacca ...	Dacca ...	...	22	10	...	...	...	26·4	13·2	...	...	5	4	1	...	6	5	3	2	...	6	137·0	25·2	5·2	...	42·7	17·0	13·4	12·4	...	56·0
	Narainganj ...	...	7	3	...	...	...	57·6	25·3	...	...		...	...	...	...	1	2	2	...	2	539·1	...	...	...	...	19·5	46·6	74·7	...	159·5
Faridpore ...	Faridpore ...	...	1	1	...	...	...	9·7	10·7	...	...	1	...	...	1	...	...	...	...	...	...	222·2	...	...	51·2	...	...	...	...	...	...
Backerganj ...	Barisal ...	...	1	5	...	...	...	8·6	38·1	...	...	...	...	2	...	...	1	1	2	...	...	...	...	95·9	...	...	16·4	20·8	68·4	...	...
Mymensing ...	Nasirabad ...	...	2	2	...	...	...	13·6	14·7	...	...	1	1	...	...	...	...	1	...	...	1	235·3	53·4	...	...	...	...	17·8	...	...	86·1
Chittagong ...	Chittagong ...	...	1	3	...	...	...	9·0	10·2	...	...	...	...	1	...	...	2	...	...	1	...	...	...	29·8	...	...	22·5	...	...	47·9	...
Noakhali ...	Sudharam ...	...	1	1	...	...	...	20·3	20·6	...	...	...	1	...	...	1	...	...	...	...	...	...	146·1	...	...	84·1	...	...	...	...	...
Tipperah ...	Comillah ...	...	2	5	...	...	...	17·5	35·2	...	...	3	2	1	...	1	...	...	...	...	...	525·3	79·5	31·9	...	41·3	...	...	...	...	...
Patna ...	Patna City ...	...	62	15	...	...	...	27·1	19·1	...	...	17	11	5	...	7	9	6	5	8	9	205·1	30·2	15·4	...	32·6	16·2	13·4	13·8	29·4	33·9
	Behar ...	...	26	7	...	...	...	40·2	23·8	...	...	11	4	...	5	...	6	...	...	...	7	385·2	35·9	...	54·1	...	36·9	...	...	...	101·2
Gya ...	Gya ...	...	99	20	...	...	...	85·8	64·7	...	...	17	7	9	1	2	13	10	19	11	3	493·9	57·3	66·3	7·7	19·9	45·9	40·8	101·1	102·9	303·1
Shahabad ...	Arrah ...	...	17	5	...	...	...	28·5	21·0	...	...	2	5	3	...	2	1	1	1	3	4	80·7	58·7	30·4	...	33·0	6·6	8·1	11·1	50·4	72·1
	Buxar ...	...	2	...	...	...	...	7·5	...	...	...	...	1	1	...	...	...	...	...	...	...	...	30·2	25·3	...	...	...	...	...	...	...
Mozufferpore ...	Mozufferpore ...	...	17	8	...	...	...	29·4	33·3	...	...	6	4	2	2	1	3	1	...	2	4	326·7	51·5	23·1	26·3	17·2	18·2	7·5	...	32·0	85·5
Durbhanga ...	Durbhanga ...	...	20	13	...	...	...	21·5	38·5	...	...	9	1	1	4	2	5	1	3	2	5	300·6	6·8	6·6	37·4	25·9	19·5	4·7	21·0	23·7	81·4
Sarun ...	Chupra ...	...	27	7	...	...	...	35·4	30·6	...	...	5	8	2	1	...	2	2	3	3	8	184·3	66·8	14·7	10·4	...	11·3	11·7	24·5	37·7	116·0
Chumparun ...	Motihari ...	...	11	...	...	...	...	76·0	...	...	...	4	2	3	...	...	...	...	...	...	2	1518·2	105·9	141·2	...	...	...	...	...	...	171·3
Monghyr ...	Monghyr ...	...	36	10	...	...	...	41·9	41·4	...	...	13	10	...	1	5	3	3	4	.	7	455·2	63·6	...	9·1	68·8	15·1	17·5	32·6	...	101·5
	Jamalpore ...	...	15	1	...	...	...	79·4	10·8	...	...	7	2	3	...	...	1	1	2	...	...	1025·4	68·3	90·2	...	...	18·5	21·6	74·1	...	...
Bhagulpore ...	Bhagulpore ...	...	35	14	...	...	...	37·2	38·6	...	...	10	5	4	2	2	2	9	3	6	6	302·4	43·1	29·4	14·3	21·0	8·0	42·7	20·4	61·5	72·5
Purneah ...	Purneah ...	...	2	4	...	...	...	11·3	36·7	...	...	...	2	...	1	...	3	...	...	...	...	...	86·1	...	43·5	...	47·5	...	...	...	...
Maldah ...	English Bazar ...	...	14	6	...	...	...	100·2	60·6	...	...	4	1	2	3	1	4	2	2	1	...	705·1	54·6	69·3	126·3	48·9	90·6	48·4	70·7	69·5	...
Sonthal Pergunnahs.	Deoghur ...	...	4	1	...	...	...	27·0	175·1	...	...	1	1	1	...	...	...	...	...	1	1	400·0	90·4	73·7	...	...	...	...	...	104·2	136·1
Cuttack ...	Cuttack ...	...	7	1	...	...	...	10·8	6·7	...	...	2	...	...	...	...	1	2	1	2	...	101·4	...	...	...	...	6·0	17·0	11·5	33·7	...
Poori ...	Poori ...	...	13	...	...	...	...	27·6	...	...	...	3	2	...	...	...	1	1	1	4	1	514·9	57·9	...	...	...	9·8	12·8	15·6	93·2	26·8
Balasore ...	Balasore ...	...	8	1	...	...	...	24·7	16·9	...	...	1	2	...	...	...	...	3	...	...	3	93·1	55·9	...	...	...	...	53·4	...	...	134·7
Hazaribagh ...	Hazaribagh ...	...	8	2	...	...	...	37·8	25·2	...	...	1	1	...	...	...	.	3	2	2	1	106·8	28·6	...	...	...	...	73·1	63·9	97·9	62·1
Lohardugga ...	Ranchi ...	...	2	1	...	3	...	11·3	9·6	...	66·1	3	1	1	...	...	...	...	1	...	...	331·9	28·2	23·5	...	...	...	...	26·6	...	...
Singbhum ...	Chaibassa ...	...	2	...	...	...	...	29·3	...	...	.	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	.	45·6	82·4	...	...
Manbhum ...	Purulia ...	...	4	...	...	...	...	26·7	...	...	...	2	—	...	1	...	...	...	...	...	1	587·6	...	...	58·0	...	...	...	...	.	151·6
	TOTAL ...	4	807	241	...	5	15·4	37·7	27·8	...	58·2	189	135	65	39	41	117	112	106	89	163	269·2	51·8	27·3	14·2	17·6	18·9	13·7	29·9	37·1	39·6

* Return not received up to dat

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 27th October 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 3rd October 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the preceding week.	Male.	Female.	Male.	Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan ...	18,063	16,017	34,080	3	9	*12*	4·6	13·7	*18·3*	33	..	.	13	6	1	2	*22*	...	..	19·8	9·2	1·5	3·1	*33·6*	35·[illegible]	12	10	31·5	32·5	106
	Raniganj*																									33·3					
Bankura	Bankura ...	8,970	8,925	17,895	6	3	*9*	17·4	8·7	*26·2*	200	..		2	3		2	*7*	.	...	5·8	8·7	..	5·8	*20·3*	2·1	4	3	23·2	17·5	132
Birbhum ...	Soori ...	3,952	3,866	7,818	2	4	*6*	13·2	26·5	*39·8*	50	...		1		...	4	*5*	...		6·6	...	..	26·5	*33·1*	6·6	3	2	30·2	26·9	145
Midnapore ...	Midnapore	16,927	16,633	33,560	11	12	*23*	17·0	18·6	*35·6*	91	...	1	11	3	...	17	*32*	..	1·5	17·0	4·6	...	26·1	*49·6*	24·8	17	15	52·2	46·9	111
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	10	10	*20*	16·4	16·4	*32·8*	100	4	..	24	3	...	5	*36*	6·6	.	39·4	4·9	..	8·2	*59·1*	73·8	19	17	62·3	55·8	111
	Serampore ..	13,559	12,937	26,496	10	8	*18*	19·6	15·7	*35·3*	125	9	.	17	10	.	9	*45*	17·6	.	33·4	19·6	...	17·6	*88·3*	51·0	25	20	95·9	80·4	119
	Utterpara	3,046	2,464	5,510	1	2	*3*	9·4	18·9	*28·3*	50	..	..	...	...	...	.	.	...	...	.	...	...	...	. .	47·2	...	...	...	...	......
Howrah ...	Howrah	53,153	37,660	90,813	30	30	*60*	17·2	17·2	*34·4*	100	16	..	14	10	2	9	*51*	9·2	...	8·0	5·7	1·1	5·2	*29·2*	26·3	32	19	31·3	26·2	119
	Bali	7,836	6,979	14,815	2	3	*5*	7·0	10·5	*17·5*	66	1	.	8	1	...	1	*11*	3·5	...	28·1	3·5	...	3·5	*35·6*	31·6	7	4	46·5	29·8	156
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	2	4	*6*	4·0	7·9	*11·9*	50	16	...	20	...	...	4	*40*	31·6	.	39·6	...	...	7·9	*79·1*	43·5	27	13	87·3	66·2	132
	Manicktolla* ...																									29·0					
	Baranagore ...	15,920	14,062	29,982	7	6	*13*	12·1	10·4	*22·5*	116	12	..	4	1		1	*18*	20·8	.	6·9	1·7	...	1·7	*31·2*	13·7	13	5	42·5	18·5	229
	South Suburban*																														
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	5	5	*10*	9·4	9·4	*18·9*	100	..	...	7	...	...	4	*11*	...		13·2	...	...	7·6	*20·8*	15·1	5	6	19·6	22·0	89
	Ranaghat	4,028	4,655	8,683	3	1	*4*	17·9	6·0	*23·9*	300	...	..	4		.	2	*6*	.	..	23·9	...	...	12·0	*35·9*	24·0	4	2	51·6	22·3	231
	Santipore ...	13,708	15,979	29,687	3	3	*6*	5·2	5·2	*10·5*	100	...	...	6	...		1	*7*	...	.	10·5	...	...	1·7	*12·3*	19·3	4	3	15·2	9·8	155
Jessore ...	Jessore*																									12·2					
Murshedabad	Berhampore ...	11,657	11,948	23,605	6	7	*13*	13·2	15·4	*28·6*	85	6	...	15	3	...	4	*28*	13·2	...	33·0	6·6	...	8·8	*61·7*	52·9	12	16	53·5	69·6	76
	City Murshedabad	18,901	20,330	39,231	10	15	*25*	13·2	19·9	*33·1*	66	1	...	17	3		9	*30*	1·3	.	22·5	4·0	...	11·9	*39·8*	34·5	18	12	49·5	30·7	161
Khulna ...	Khulna	3,249	3,043	6,292	2	2	*4*	16·5	16·5	*33·0*	100	..		7	...	.		*7*	...	...	57·9	...	...	...	*57·9*	33·0	5	2	80·0	34·2	234
Dinajpore ...	Dinajpore	7,254	5,306	12,560	1	1	*2*	4·1	4·1	*8·3*	100	...	...	3	2	1	4	*10*	...	.	12·4	8·3	4·1	16·6	*41·4*	78·7	7	3	50·2	29·4	170

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	7	4	*11*	18·4	10·5	*28·9*	175	...	...	14	2	...	1	*17*	...	...	36·8	5·3	...	2·6	*44·7*	44·7	10	7	48·3	40·3	119
Rungpore ...	Rungpore	8,011	5,309	13,320	4	1	*5*	15·6	3·9	*19·5*	400	...	...	2	...	...	3	*5*	...	...	7·8	...	...	11·7	*19·5*	23·4	5	...	38·5	...	No female death.
Bogra ...	Bogra	3,480	2,699	6,179	2	...	*2*	16·8	...	*16·8*	No female birth.	...	...	...	2	...	1	*3*	...	...	...	16·8	...	8·4	*25·2*	50·5	2	1	29·9	19·3	155
Pubna ...	Pubna	7,701	7,566	15,267	6	4	*10*	20·4	13·6	*34·1*	150	...	...	3	...	1	3	*7*	...	...	10·2	...	3·4	10·2	*23·8*	47·7	6	1	40·5	6·9	567
	Serajganj*																														
Darjeeling ...	Darjeeling	4,579	2,439	7,018	8	...	*8*	22·2	...	*22·2*	No female birth.	...	...	5	3	...	1	*9*	..	...	37·0	22·2	...	7·4	*66·7*	133·4	6	3	66·1	64·0	106
Julpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	2	...	*2*	13·1	...	*13·1*	Do.	...	...	...	...	1	...	*1*	...	...	...	...	6·5	...	*6·5*	6·5	1	...	10·5	...	No female death.
Dacca ...	Dacca	42,782	37,379	80,161	18	16	*34*	11·7	10·4	*22·1*	112	2	...	11	6	...	8	*27*	1·3	...	7·1	3·9	...	5·2	*17·5*	20·7	15	12	18·2	16·7	109
	Narainganj	7,605	4,956	12,561	5	6	*11*	20·7	24·8	*45·5*	83	...	...	5	2	...	2	*9*	...	...	20·7	8·3	...	8·3	*37·2*	41·4	6	3	41·0	31·5	130
Faridpore ...	Faridpore*																									10·1					
Backerganj ...	Barisal	8,701	4,485	13,186	1	1	*2*	3·9	3·9	*7·9*	100	...	...	1	1	...	6	*8*	...	..	3·9	3·9	...	23·7	*31·5*	23·6	6	2	35·9	23·2	154
Mymensing ...	Nasirabad* ...																									14·0					
Chittagong ...	Chitagong	13,340	8,790	22,130	...	3	*3*	...	7·0	*7·0*	No male birth.	...	...	1	..	...	...	*1*	...	...	2·3	...	...	...	*2·3*	9·4	...	1	...	5·9	No male death.
Noakhali ...	Sudharam* ...																									20·2					
Tipperah ...	Comillah	8,153	5,353	13,506	8	4	*12*	30·8	15·4	*46·2*	200	...	...	4	...	...	4	*8*	...	..	15·4	...	...	15·4	*30·8*	27·0	5	3	31·9	29·1	109
Patna ...	Patna City ...	78,762	81,475	160,237	29	17	*46*	9·4	5·5	*14·9*	170	15	1	12	5	2	21	*56*	4·9	·3	3·9	1·6	·6	6·8	*18·2*	25·0	31	25	20·5	16·0	128
	Behar	23,799	25,172	48,971	12	16	*28*	13·7	17·0	*29·7*	75	...	...	13	1	1	7	*23*	...	...	13·8	1·1	1·1	7·4	*23·4*	35·0	11	11	24·0	22·7	105
Gya ...	Gya	38,290	37,831	76,121	32	30	*62*	21·9	20·5	*42·4*	106	36	...	65	2	...	14	*119*	25·0	...	44·4	1·3	...	9·6	*81·4*	81·4	73	40	99·1	63·2	157
Shahabad ...	Arrah	20,960	22,505	43,465	7	6	*13*	8·4	7·2	*15·6*	116	1	...	4	1	...	...	*6*	1·2	...	4·8	1·2	...	...	*7·2*	26·3	1	5	2·5	11·6	21
	Buxar	9,299	8,369	17,668	3	8	*11*	8·8	23·5	*32·4*	37	3	.	3	...	...	1	*7*	8·8	...	8·8	...	...	2·9	*20·6*	5·9	3	4	16·8	24·9	67
Mozufferpore ...	Mozufferpore ...	23,084	19,658	42,742	10	8	*18*	12·2	9·7	*21·9*	125	...	6	4	...	1	8	*19*	...	7·3	4·9	..	1·2	9·7	*23·1*	30·4	8	11	18·0	29·1	62
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	15	12	*27*	11·8	9·4	*21·2*	125	..	...	11	3	...	5	*19*	...	...	8·7	2·3	...	3·9	*14·9*	26·0	7	12	10·8	19·8	56
Sarun ...	Chupra	25,116	26,554	51,670	24	24	*48*	24·1	24·1	*48·3*	100	20	...	7	2	...	20	*49*	20·1	...	7·0	2·0	...	20·1	*49·3*	34·2	28	21	58·0	41·1	141
Chumparun ...	Motihari	6,328	3,979	10,307	8	8	*16*	40·3	40·3	*80·7*	100	...	..	5	1	1	4	*11*	...	..	25·2	5·0	5·0	20·2	*55·5*	55·5	6	5	49·3	65·3	75
Monghyr ...	Monghyr	28,154	29,366	57,520	34	33	*67*	30·7	29·8	*60·6*	103	10	...	15	11	2	14	*55*	9·0	...	16·3	9·9	1·8	12·7	*49·7*	41·6	22	33	40·6	58·4	69
	Jamalpore	7,456	6,107	13,563	8	5	*13*	31·7	19·1	*49·8*	160	...	...	10	1	..	4	*15*	...	...	38·3	3·8	...	15·3	*57·5*	61·3	10	5	69·7	42·6	163
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	17	25	*42*	12·9	19·1	*32·0*	68	7	.	25	2	2	8	*44*	5·3	...	19·1	1·5	1·5	6·1	*33·5*	37·3	22	22	32·8	34·3	95
Purneah ..	Purneah	8,463	6,553	15,016	1	1	*2*	3·4	3·4	*6·9*	100	...	..	4	...	...	...	*4*	...	...	13·8	...	...	...	*13·8*	20·8	2	2	12·3	15·9	77
Maldah ..	English Bazar ...	6,289	6,141	12,430	5	2	*7*	20·9	8·4	*29·3*	250	2	...	12	1	...	3	*18*	8·4	...	50·2	4·2	...	12·5	*75·3*	83·7	9	9	74·4	76·2	97
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	4	2	*6*	26·0	13·0	*39·0*	200	2	...	6	2	...	2	*12*	13·0	...	39·0	13·0	...	13·0	*78·0*	32·5	9	3	94·3	51·6	182
Cuttack ...	Cuttack	22,632	20,607	43,239	8	12	*20*	9·6	14·4	*24·1*	66	...	...	1	1	...	13	*15*	...	...	1·2	1·2	...	15·6	*18·0*	9·6	10	5	23·0	12·6	188
Poori ...	Poori	13,247	11,537	24,784	2	6	*8*	4·2	12·6	*16·8*	33	...	...	9	3	1	2	*14*	...	...	16·8	6·3	2·1	4·2	*29·4*	27·3	8	6	31·4	27·0	116
Balasore ...	Balasore	10,282	9,983	20,265	7	9	*16*	18·0	23·1	*41·1*	77	...	...	4	1	...	1	*6*	...	...	10·2	2·6	...	2·6	*15·4*	23·1	4	2	20·2	10·4	194
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	5	2	*7*	17·0	6·8	*23·8*	250	5	..	7	...	...	3	*15*	17·0	...	23·8	...	...	10·2	*51·0*	34·0	9	6	61·3	40·7	150
Lohardugga ...	Ranchi	10,101	8,342	18,443	8	6	*14*	22·6	16·9	*39·5*	133	...	...	5	2	...	5	*12*	...	...	14·1	5·6	...	14·1	*33·8*	16·9	7	5	36·0	31·2	115
Singbhum ...	Chaibassa	3,126	2,880	6,006	3	1	*4*	25·9	8·7	*34·6*	300	...	...	1	...	...	...	*1*	...	...	8·7	...	...	...	*8·7*	17·3	...	1	...	18·1	No male death.
Manbhum ...	Purulia	5,060	4,244	9,304	3	5	*8*	16·8	27·9	*44·7*	60	...	...	2	...	...	3	*5*	...	...	11·1	...	...	16·8	*27·9*	22·4	1	4	10·3	49·0	21
	Total ...	787,285	719,692	1,506,977	415	2	*817*	14·3	13·9	*28·2*	103	170	8	446	100	16	245	*985*	5·9	·3	15·4	3·4	·6	8·4	*34·0*	34·7	557	428	36·8	30·9	119

* Return not received up to date.

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	13	9	...	...	...	28.5	45.6	...	...	5	2	1	3	...	2	4	3	...	2	383.9	46.1	22.3	62.0	...	13.1	30.2	35.3	...	70.2
	Raniganj*																														
Bankura ...	Bankura	...	7	...	...	...	...	21.4	...	...	...	2	...	1	...	1	1	1	...	1	...	219.9	...	23.0	...	33.0	15.8	19.7	...	47.0	...
Birbhum ...	Soori	...	5	...	...	...	...	44.5	...	...	...	3	1	...	...	...	...	...	1	...	...	896.6	83.3	...	...	...	...	...	59.0	...	...
Midnapore ...	Midnapore ...	...	28	4	...	...	...	56.2	28.8	...	...	4	4	3	...	2	2	3	1	4	9	279.9	58.4	41.6	...	32.9	14.2	28.1	14.0	100.8	235.7
Hughli, including Serampore.	Hughli and Chinsurah.	...	28	8	...	...	...	57.6	67.5	...	...	5	4	4	1	...	8	1	3	4	6	323.8	93.7	72.1	21.0	...	67.0	9.1	87.4	80.0	150.5
	Serampore ...	..	41	4	...	...	...	84.5	221.7	...	...	3	8	5	2	3	5	8	2	3	6	219.7	230.5	103.4	46.8	71.5	48.3	83.7	30.8	81.5	224.3
	Utterpara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Howrah ...	Howrah	1	34	16	...	...	27.5	25.9	40.6	...	...	8	8	7	1	3	5	5	5	4	7	201.6	56.3	57.9	7.9	21.3	11.5	13.5	22.1	37.9	97.0
	Bali	...	11	...	...	...	...	42.7	...	...	...	...	3	1	3	1	...	1	...	1	1	...	156.2	48.8	131.4	39.0	...	18.6	...	49.6	71.0
24-Pergunnahs.	Cossipore-Chitpore	...	31	9	...	...	...	88.2	59.4	...	...	3	7	4	...	4	10	4	3	1	4	326.4	412.7	265.3	...	228.8	54.7	32.5	82.3	53.4	444.4
	Manicktola* ...																														
	Baranagore ...	...	16	2	...	...	...	32.3	25.1	...	...	3	3	3	...	...	4	3	1	...	1	230.4	76.0	62.6	...	...	32.5	26.7	12.6	...	159.9
	South Suburban*																														
Nuddea ...	Krishnagar ...	1	6	4	...	...	91.7	16.7	25.1	...	...	5	...	...	...	...	...	4	...	1	1	524.2	...	...	...	...	...	48.6	...	24.7	30.1
	Ranaghat	...	5	1	...	...	...	35.5	38.1	...	..	1	4	...	1	...	...	...	...	...	...	251.3	261.6	...	59.9	...	...	...	...	...	...
	Santipore ...	...	7	...	...	...	...	17.6	...	...	...	2	...	...	...	...	1	1	1	...	2	123.1	...	...	...	...	10.6	12.0	14.8	...	53.0
Jessore ...	Jessore*																														
Murshedabad.	Berhampore ...	...	24	4	...	...	...	68.7	40.1	...	...	4	8	2	1	...	2	...	3	1	5	827.6	261.0	49.2	37.3	...	23.3	...	45.3	87.7	168.7
	City Murshedabad	...	17	12	...	1	...	38.9	30.4	...	69.4	6	3	1	...	...	5	3	2	6	4	408.9	65.4	15.1	...	...	35.5	21.5	17.8	87.9	67.2
Khulna ...	Khulna	...	4	3	...	...	..	65.2	51.2	...	...	1	1	1	...	...	2	...	...	...	2	409.4	65.2	65.4	...	...	96.9	...	...	...	330.2
Dinajpore ...	Dinajpore ...	...	4	6	...	...	...	34.3	48.7	...	...	...	...	...	...	1	...	3	3	1	2	...	...	...	...	51.2	...	63.1	99.5	62.7	162.8
Rajshahye ...	Rampore-Beauleah	...	5	13	...	...	...	26.2	63.6	...	...	4	5	1	...	...	2	2	2	1	...	512.3	183.4	25.0	...	...	25.0	28.9	43.4	41.9	...
Rungpore ...	Rungpore ...	...	3	2	...	...	...	24.1	15.6	...	...	2	1	...	...	...	...	1	...	1	...	446.4	56.1	...	...	...	...	18.9	...	78.8	...
Bogra ...	Bogra	...	1	2	...	...	...	19.5	30.0	...	...	...	...	...	...	...	1	1	...	...	1	...	...	...	...	...	39.4	48.6	...	...	165.6

Pubna ...	Pubna	...	4	3	...	...	...	29·2	19·2	...	...	2	1	1	1	...	...	...	1	1	...	263·0	35·7	30·8	37·7	...	...	...	30·5	51·4	...
	Serajganj* ...																														
Darjeeling ...	Darjeeling ...	1	7	1	...	...	325·0	79·2	85·0	...	...	1	2	4	...	...	...	1	1	...	...	429·8	161·7	355·6	...	...	...	86·3	75·1	...	...
Julpaiguri ...	Julpaiguri ...	...	1	...	..	...	...	12·2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	28·7	...	...	...	...
Dacca ...	Dacca	...	21	6	...	...	...	27·1	7·9	...	...	4	5	1	...	4	1	7	1	3	1	109·6	35·8	5·2	..	28·5	3·4	31·2	6·2	32·9	9·3
	Narainganj ...	...	7	2	...	...	...	57·6	16·9	...	...	3	...	...	...	...	1	1	1	...	3	559·1	...	...	...	...	19·5	24·3	37·3	...	239·3
Faridpore ...	Faridpore* ...																														
Backerganj ...	Barisal	1	2	5	...	...	213·1	17·2	38·1	...	...	2	...	...	...	...	2	..	...	1	3	530·6	...	...	...	...	32·8	...	...	58·3	275·1
Mymensing ...	Nasirabad* ...																														
Chittagong ...	Chittagong ...	...	...	1	...	...	...	...	3·4	...	...	...	1	...	...	...	...	...	...	...	...	...	26·4	...	...	...	...	...	...	...	...
Noakhali ...	Sudharam* ...																														
Tipperah ...	Comillah	...	2	6	...	...	...	17·5	42·2	...	...	3	...	...	...	...	...	1	1	1	2	525·3	...	...	...	...	...	26·1	39·6	64·9	153·4
Patna ...	Patna City ...	...	47	9	...	...	...	20·5	11·4	...	...	9	8	1	5	2	6	7	6	4	8	108·6	28·5	3·1	18·1	9·3	10·8	15·7	16·6	14·7	30·1
	Behar	...	16	6	...	...	...	24·7	20·4	...	...	...	14	...	..	4	...	...	...	4	...	...	125·7	...	...	69·6	...	...	...	57·5	...
Gya ...	Gya	...	108	11	...	...	...	93·6	35·6	...	...	12	15	1	2	5	16	17	10	14	27	345·6	122·8	7·4	15·5	49·6	56·5	69·4	53·2	110·8	272·8
Shahabad ...	Arrah	...	5	1	...	...	...	8·4	4·2	...	...	...	1	1	...	2	...	...	...	1	1	...	11·7	10·1	...	83·0	...	...	...	16·8	18·9
	Buxar	...	6	1	...	...	...	22·4	14·5	...	...	1	1	...	1	3	1	...	...	...	...	125·3	30·2	...	28·3	142·6	16·3	..	...	...	...
Mozufferpore ...	Mozufferpore ...	...	15	4	...	...	...	26·0	16·7	...	...	6	4	...	1	...	2	...	2	2	2	386·7	51·5	...	13·1	...	12·1	...	20·8	32·0	42·7
Durbhanga ...	Durbhanga ...	..	16	3	...	...	...	17·2	8·9	...	..	3	5	3	1	...	3	1	...	1	2	100·2	34·2	19·9	9·4	...	11·7	4·7	...	11·9	32·6
Sarun ...	Chupra	...	46	3	...	...	...	60·3	13·1	...	...	10	8	3	3	...	2	4	3	3	13	368·5	80·4	26·2	31·1	...	11·3	26·7	25·8	37·7	198·7
Champarun ...	Motihari	...	7	4	...	...	...	48·4	75·1	...	...	4	1	2	...	...	...	1	2	...	1	1518·2	53·0	94·1	...	...	...	35·1	96·9	...	85·7
Monghyr ...	Monghyr	1	48	6	...	...	218·5	55·8	24·8	...	...	11	12	4	...	2	8	5	2	1	10	385·2	109·8	29·5	...	27·5	40·2	29·1	16·3	13·1	145·0
	Jamalpore ...	...	14	1	...	...	...	74·1	16·3	...	...	2	7	2	1	...	...	2	...	...	1	293·0	239·0	60·2	44·2	...	...	43·1	...	...	78·0
Bhagulpore ...	Bhagulpore ...	...	30	14	...	...	..	31·9	38·6	...	...	5	9	1	3	1	4	2	5	7	7	181·2	72·1	7·4	21·5	10·5	15·9	9·5	34·0	71·8	84·6
Purneah ...	Purneah	...	2	2	...	...	..	11·3	18·4	...	...	...	1	...	...	...	...	1	...	1	1	...	43·0	...	...	...	...	18·2	...	55·5	64·4
Maldah ...	English Bazar ...	...	10	8	...	...	...	71·5	80·8	...	...	3	1	2	1	2	1	1	2	1	4	528·8	54·6	69·3	42·1	97·7	22·6	24·2	70·7	69·5	295·9
Sonthal Pergunnahs.	Deoghur	...	11	1	...	...	...	74·2	175·1	..	...	1	1	...	2	1	...	1	2	...	4	400·0	90·4	...	165·3	80·2	...	31·4	111·0	...	354·5
Cuttack ...	Cuttack	2	11	2	...	...	56·2	17·0	13·5	...	...	2	3	1	...	2	4	1	...	1	1	161·4	41·7	10·5	...	25·9	23·9	8·5	...	16·9	17·6
Poori ...	Poori	...	14	...	...	...	...	29·7	...	...	...	2	1	...	...	...	1	...	7	1	2	343·2	28·9	...	...	...	9·8	...	109·5	23·3	57·6
Balasore ...	Balasore	...	5	1	...	...	...	15·4	16·9	...	...	1	...	...	1	...	...	2	...	2	..	99·1	...	...	27·0	...	...	33·5	...	81·2	...
Hazaribagh ...	Hazaribagh ...	...	12	3	...	..	..	56·7	37·9	...	...	3	1	1	...	...	2	...	4	1	3	320·3	28·6	25·9	...	...	40·9	...	127·8	49·0	186·4
Lohardugga ...	Ranchi	1	6	...	..	3	35·0	45·2	...	...	66·1	6	3	...	...	...	...	.	...	3	...	663·8	84·7	...	...	...	...	...	...	150·0	...
Singbhum ...	Chaibassa	...	1	...	...	...	...	10·2	...	...	...	..	...	...	...	...	...	1	...	...	...	..	...	...	...	...	...	45·6	...	...	...
Manbhum ...	Purulia	1	4	...	...	...	204·8	26·7	...	...	...	3	...	1	...	...	...	...	...	...	1	581·4	...	47·1	...	...	...	...	...	...	151·6
	TOTAL ...	9	770	202	...	4	34·3	37·5	25·0	...	50·9	162	165	63	34	43	105	101	80	82	150	237·4	65·3	20·8	12·8	19·6	18·0	20·9	23·6	39·7	85·5

* Return not received up to date.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 27th October 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1891-92.

Areas leased for irrigation up to the end of June 1891.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of areas leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugarcane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1891-92. During month.	Up to end of month.	Rainfall, 1890-91. During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	Inches.	Inches.	
Orissa	Cuttack	Taldunda, 1st reach	1,342	34	......	90	......	......	9,618	......	......	......	......	......	......	9,618	1·10	5·30	9·88	11·98	
		Ditto, 2nd „	556	32	......		......	......													
		Machgong	776	......	......	46	......	......	27,710	......	......	......	......	......	......	27,710	0·10 / 0·25	3·67 / 5·30	14·78 / 10·10	16·18 / 12·10	
		Kendrapara	1,067	334	175·61	1,024	110	......	44,671	......	......	......	......	......	......	44,671	0·31	3·15	7·26	9·71	
		Gobri	372·82	36·24	7·68	252	21	......	3,057	......	......	......	......	......	......	3,057	1·32	4·93	3·72	7·42	
		Do. extension	648	41·13	41·13	20	......	......	3,418	......	......	......	......	......	......	3,418	No rain gauge.				
		Patamoondi	885	49·49	8·36	18	......	......	12,127	......	......	......	......	......	......	12,127					
		High Level, Range I	668	101	51·20	1,263	1,382	......	20,732	......	......	......	......	......	......	20,732	1·85	3·85	11·95	16·80	
	Balasore	Ditto, ditto II	727·16	Not observed.		112	315	......	2,151	......	62	......	......	......	62	2,213	......	......	......	......	
		Ditto, ditto III	727·16	110	110	246	441	......	37,422	......	......	174	......	......	174	37,596	2·63	9·04	8·29	12·63	
		Total	......	......	......	3,071	2,289	......	160,906	......	62	174	......	......	236	161,142	......	......	......	......	
		Total of the corresponding period of last year	......	......	......	......	......	......	157,183	......	90	132	......	......	222	157,405	......	......	......	......	
South-Western.	Midnapore	Midnapore	1,411	235	235	3,554	......	......	74,379	......	......	......	......	......	......	74,379	4·93	12·28	17·78	23·95	29 days discharging.
		Panchkoorah	522	48	36	245	......	......	4,987	......	......	......	......	......	......	4,987	4·32	10·98	13·51	20·92	8 days discharging.
	Howrah	Tidal reaches, Ranges I-II	......	......	......	......	......	......	376	......	......	......	......	......	......	376	......	......	......	......	
		Total	......	......	......	3,799	......	......	79,742	......	......	......	......	......	......	79,742	......	......	......	......	
		Total of the corresponding period of last year	......	......	......	......	......	......	68,239	......	......	......	......	......	......	68,239	......	......	......	......	
Sone	Shahabad	Western Main	4,842	989	2	8,766	8,236	12,743	......	......	......	97	......	154	231	12,994	1·93	2·22	8·19	9·03	
		Buxar	1,226	295	76	35,054	37,039	48,678	......	......	......	114	......	2,749	2,863	51,541					
		Arrah	2,000	602	332	77,541	90,129	75,754	......	98	......	543	......	6,914	7,555	83,309	6·59	7·74	10·46	12·16	
	Patna and Gya.	Eastern Main	1,466	329	230	3	8	944	......	......	......	8	......	......	8	912	11·19	13·74	11·57	14·94	
		Patna				255	477	32,107*	......	......	......	277	......	......	277	32,384					
		Total	......	......	......	1,21,619	135,889	170,216	......	98	......	1,059	......	9,817	10,954	181,170	......	......	......	......	
		Total of the corresponding period of last year	......	......	......	......	......	190,673	......	169	......	3,862	......	8,209	12,240	202,913	......	......	......	......	
		Grand Total	......	......	......	1,28,489	138,178	170,216	240,648	98	62	1,213	......	9,817	11,190	422,054	......	......	......	......	
		Grand Total of the corresponding period of last year	......	......	......	......	......	190,673	225,422	169	90	3,994	......	8,209	12,462	428,557	......	......	......	......	

* The area (34,107 acres) entered in the return for May was incorrect.

CALCUTTA,
The 22nd October 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 3rd October 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	*26,375	*16,337 10 0	33,920 30	2,607 7 0	40 0 0	18,985 1 0	2,030	535	2,565
Or per mile of railway	461	285 10 0	593 0	45 9 4	• 0 11 2	331 14 0	..	......	......
For previous 13 weeks of half-year	†142,142	†72,186 9 0	‡6,23,086 0	‡39,407 1 0	§510 0 0	112,103 10 0	14,241	8,984	23,225
Total for 14 weeks ..	168,517	88,524 3 0	6,57,006 30	42, 14 8 0	550 0 0	131,088 11 0	16,271	9,519	25,790
Comparison									
Total for corresponding week of previous year	25,933½	14,604 8 3	23,464 30	1,807 4 0	29 5 3	16,501 1 6	1,916	535	2,451
Per mile of railway corresponding week of previous year .	453½	255 5 2	41 · 10	32 10 4	0 8 2	288 7 8	.....	......	.....
Total to corresponding date of previous year	158,571	83,049 8 6	4,30,371 0	27,897 4 0	451 3 3	1,11,397 14 9	15,406	7,717	23,123

* The increase in coaching traffic is due to pilgrims returning from Gya.
† Added number of passengers 837 and Rs. 207 0 0
‡ Ditto maunds 577 and " 61 0 0
§ Deducted " 4 0 0
on account of differences between the approximate and audited returns to week ended 29th August 1891.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 10th October 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*15 672	*9,560 7 0	42,200 30	3,272 6 0	31 0 0	12,863 13 0	1,937	514	2,451
Or per mile of railway	274	167 2 3	738 0	57 3 4	0 8 8	224 14 3	......	......	......
For previous 14 weeks of half-year	168,517	88,524 3 0	6,57,006 30	42,014 8 0	550 0 0	1,31,088 11 0	16,271	9,519	25,790
Total for 15 weeks ...	184,189	98,084 10 0	6,99,207 20	45,286 14 0	581 0 0	1,43,952 8 0	18,208	10,033	28,241
Comparison.									
Total for corresponding week of previous year	24 399	16,132 5 9	32,491 30	2,446 14 0	64 9 9	18,643 13 6	1,909	485	2,394
Per mile of railway corresponding week of previous year ...	427	282 0 7	568 10	42 12 5	1 2 1	325 15 1	......	......	......
Total to corresponding date of previous year	182,970	99,181 14 3	4,62,862 31	30 344 2 0	515 12 0	1,30,041 12 3	17,315	8,202	25,517

* The traffic of the corresponding period of 1890 includes the earnings on account of "Auporpaksha" mela; hence the decrease

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 17th October 1891, on 57⅕ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated)	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*8,220	*4,138 12 0	30,684 0	2,745 11 0	30 0 0	6,912 7 0	1,506	498	2,304
Or per mile of railway ...	144	72 5 2	641 20	48 0 0	0 8 5	120 13 7	... ..	......	. ....
For previous 16 weeks of half year	184,189	98,084 10 0	6,99,207 20	45,286 14 0	581 0 0	1,43,952 8 0	18,208	10,033	28,241
Total for 15 weeks ...	192,418	1,02,221 6 0	7,33,891 20	48,032 9 0	611 0 0	1,50,864 15 0	20,104	10,531	30,635
Comparison.									
Total for corresponding week of previous year .. .	22,077½	14,393 11 2	30,246 0	2,741 0 0	37 11 9	17,172 6 11	2,146	590	2,735
Per mile of railway corresponding week of previous year ..	386	251 10 2	63,610	47 14 9	0 10 7	300 3 6	.. ..	......	.....
Total to corresponding date of previous year	205,047½	1,12,575 5 5	5,02,108 30	33,085 2 0	553 7 9	1,47,214 3 2	19,461	8,792	28,253

* The decrease in coaching traffic is due to figures for the corresponding period of 1890, having included the rush of traffic in connection with the "Doorga Poojah" holidays and pilgrims from Gya.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 3rd October 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	14,185	4,029 7 0	7,617 10	298 11 0	7 0 0	4,335 2 0	892	76	968
Or per mile of railway	......	181 1 7	......	13 6 10	0 5 0	194 13 5	......	......	......
For previous 13 weeks of half-year	*222,273	*53,544 0	†69,696 30	†2,455 5 0	‡81 0 0	56,080 5 0	11,423	1,175	12,598
Total for 14 weeks ...	236,458	57,573 7 0	77,314 0	2,754 0 0	88 0 0	60,415 7 0	12,315	1,251	13,566
Comparison.									
Total for corresponding week of previous year	15,3 2½	3,845 11 2	6,021 30	218 10 0	8 1 0	4,072 6 2	922	46	968
Per mile of railway corresponding week of previous year ...	......	172 13 5	......	9 13 2	0 5 10	183 0 5	......	......	......
Total to corresponding date of previous year	227,383½	54,649 5 10	67,023 0	2,343 1 0	77 8 3	57,069 15 1	12,650	616	13,266

* Added number of passengers 2,837 and Rs. 826 0 0 }
† Ditto maunds 235 and deducted ,, 24 0 0 } on account of differences between the approximate and audited returns to week ended 29th August 1891.
‡ Deducted ,, 52 0 0 }

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for week ended 10th October 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,320	4,616 5 0	8,293 30	378 13 0	6 0 0	5,001 2 0	917	143	1,060
Or per mile of railway	......	207 7 7	.	17 0 5	0 4 4	224 12 4	......	......	......
For previous 14 weeks of half-year	236,458	57,573 7 0	77,314 0	2,754 0 0	88 0 0	60,415 7 0	12,315	1,251	13,566
Total for 15 weeks ...	254,778	62,189 12 0	85,607 30	3,132 13 0	94 0 0	65,416 9 0	13,232	1,394	14,626
Comparison.									
Total for corresponding week of previous year	19,494	4,953 4 7	9,915 0	370 4 0	6 7 6	5,330 0 1	906	62	968
Per mile of railway corresponding week of previous year ...	......	222 9 11	. .	16 10 3	0 4 8	230 8 10	......	......	......
Total to corresponding date of previous year	246,777½	59,602 10 5	77,338 0	2,713 5 0	83 15 9	62,399 15 2	13,556	678	14,234

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 17th October 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,211	4,491 7 0	8,263 30	378 11 0	7 0 0	4,877 2 0	850	74	924
Or per mile of railway	......	201 13 10	......	17 0 4	0 5 0	219 3 2	......	......	......
For previous 15 weeks of half-year*	254,778	62,189 12 0	85,607 30	3,132 13 0	94 0 0	65,416 9 0	13,232	1,394	14,626
Total for 16 weeks ...	271,989	66,681 3 0	93,871 20	3,511 8 0	101 0 0	70,293 11 0	14,082	1,468	15,550
Comparison.									
Total for corresponding week of previous year	15,505	3,927 0 4	8,549 10	321 2 0	3 10 0	4,251 12 4	906	62	968
Per mile of railway corresponding week of previous year ...	......	176 7 11	......	14 6 11	0 2 7	191 1 5	......	......	......
Total to corresponding date of previous year	262,282½	63,529 10 9	86,087 10	3,034 7 0	87 9 9	66,651 11 6	14,462	740	15,202

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 3rd Otcober 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	13,012	15,567 0 0	33,401 30	7,109 12 0	59 0 0	22,735 12 0	6,744	1,463½	8,207½
Or per mile of railway	......	96 1 6	......	43 14 2	0 5 10	140 5 6	......	......	......
For previous 13 weeks of half-year	*177,499	*1,29,926 4 0	†4,79,467 30	†92,654 5 0	‡752 0 0	2,23,332 9 0	75,070¾	17,786	92,855¾
Total for 14 weeks ...	190,541	1,45,493 4 0	5,12,869 20	99,764 1 0	811 0 0	2,46,068 5 0	81,823¾	19,249½	101,073¼
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	... ..	......	......	......	....	......	... ..	......
Total to corresponding date of previous year	......	......	... ..	......	......	.. .	......	......	....

* Deducted number of passengers 1,612 and added Rs. 3,276 0 0 } on account of differences between the approximate and audited returns to week ended 29th August 1891.
† Ditto maunds 12,041 and added „ 3,952 0 0
‡ Added 56 0 0

DELHI UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 10th October 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,627	15,129 7 0	36,745 20	7,404 15 0	61 0 0	22,595 6 0	6,610	1,597½	8,207½
Or per mile of railway	......	93 6 3	... ..	45 11 4	0 6 1	139 7 8	......	......	......
For previous 14 weeks of half-year	190,541	1,45,493 4 0	5,12,869 20	99,764 1 0	811 0 0	2,46,068 5 0	81,823¾	19,249½	101,073¼
Total for 15 weeks ...	206,168	1,60,622 11 0	5,49,615 0	1,07,169 0 0	872 0 0	2,68,663 11 0	88,433¾	20,847	109,280¾
Comparison.									
Total for corresponding week of previous year	... ..	......	......	.. ...	. . ..	......	......	......	......
Per mile of railway corresponding week of previous year ..	......	......	......	.. ...	.. ...	......	......	......	......
Total to corresponding date of previous year	......	......	.. ...	......	......	... .	...	. ..	......

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 17th October 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,776	12,436 8 0	39,058 30	6,374 6 0	60 0 0	18,870 14 0	6,842½	1,296½	8,139
Or per mile of railway	......	76 12 8	......	39 5 7	0 5 11	116 7 9	...	.. ...	.. .
For previous 15 weeks of half-year	206,168	1,60,622 11 0	5,49,615 0	1,07,169 0 0	872 0 0	2,68,663 11 0	88,433¾	20,847	109,280
Total for 16 weeks ...	221,944	1,73,059 3 0	5,88,673 30	1,13,543 6 0	932 0 0	2,87,534 0 0	95,276¼	22,143½	117,419¾
Comparison.									
Total for corresponding week of previous year	.... .	......	......	......	......	. ....	......	......	...
Per mile of railway corresponding week of previous year ..	... .	......	... .	......	......	......	......	......	. ....
Total to corresponding date of previous year	......	.. .	......	. ....	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K.-D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 10th October 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	218,318	1,04,210 0 0	7,81,460 0	2,04,030 0 0	13,731 0 0	3,21,970 0 0	27,500	39,500	67,000
Or per mile of railway	268	134 0 0	1,006 0	263 0 0	†2 0 0	399 0 0	......	......	.. ...
For previous 14 weeks of half-year*	2,101,948	8,98,256 0 0	87,90,410 0	20,38,988 0 0	1,69,353 0 0	31,06,597 0 0	362,700	466,891	829,591
Total for 15 weeks ...	2,310,266	10,02,466 0 0	95,71,900 0	22,43,018 0 0	1,83,083 0 0	34,28,567 0 0	390,200	506,391	896,591
COMPARISON.									
Total for corresponding week of previous year	158,988	78 490 0 0	7,46,001 0	1,80,982 0 0	19,631 0 0	2,79,123 0 0	24,608	36,370	60,988
Per mile of railway corresponding period of previous year ..	208	103 0 0	978 0	237 0 0	†4 0 0	344 0 0	......	......	.....
Total to corresponding date of previous year	2,077,176	8,61,527 0 0	90,70,258 0	21,31,304 0 0	2,39,246 0 0	32,32,077 0 0	351,719	469,007	820 726

* Audited up to week ending 22nd August 1891.
† Excluding steam-boat earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 10th October 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	37 307	11,680 0 0	79,964 0	7,570 0 0	50 0 0	19,300 0 0	3,620	2,800	6,420
Or per mile of railway	298	93 0 0	640 0	61 0 0	......	154 0 0	. ..	.....	......
For previous 14 weeks of half-year*	365,548	1,20,647 0 0	680,013 0	52,812 0 0	3,897 0 0	1,77,356 0 0	50,849	26,471	77,320
Total for 15 weeks ...	402,855	1,32,327 0 0	759,977 0	60,382 0 0	3,947 0 0	1.96,656 0 0	54,469	. 29,271	83,740
COMPARISON.									
Total for corresponding week of previous year	28,537	10,147 0 0	66,181 0	6,548 0 0	83 0 0	16,778 0 0	3,836	1,212	6,048
Per mile of railway corresponding week of previous year ...	228	81 0 0	529 0	52 0 0	1 0 0	134 0 0	.....	......	......
Total to corresponding date of previous year	372,107	1,17,488 0 0	5,86,503 0	46,454 0 0	2,540 0 0	1,66,482 0 0	52,487	26,821	79,308

* Audited up to week ending 22nd August 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 10th October 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	18,150	7,920 0 0	21,381 0	1,810 0 0	200 0 0	9,930 0 0	2,560	640	3,200
Or per mile of railway	211	84 0 0	249 0	21 0 0	2 0 0	107 0 0	......	......	......
For previous 14 weeks of half-year	232,179	73,190 0 0	2,00,074 0	15,090 0 0	2,140 0 0	90,420 0	37,605	11,187	48,792
Total for 15 weeks ..	250,329	80,410 0 0	2,21,455 0	16,900 0 0	2,340 0 0	99,650 0 0	40,165	11,827	51,992
COMPARISON.									
Total for corresponding week of previous year	18,669	6,253 0 0	34,302 0	2,930 0 0	119 0 0	9,307 0 0	2,414	790	3,204
Per mile of railway corresponding period of previous year	217	73 0 0	399 0	34 0 0	1 0 0	108 0 0	......	......	......
Total to corresponding date of previous year	229,437	71,313 0 0	2,34,700 0	19,440 0 0	4,712	95,465 0 0	35,566	10,9	46,5[illegible]

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1891-92.

Areas leased for irrigation up to end of July 1891.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilised.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of areas leased: Five years, all crops.	Five years, kharif.	Annual leases: Kharif.	Rabi.	Sunrone.	Ith-doi.	Hot-weather.	Total.	Grand Total.	Rainfall, 1891-92: During month.	Up to end of month.	Rainfall, 1890-91: During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	Inches.	Inches.	
Orissa	Cuttack	Taldunda, 1st reach	1,342	234	41	6,440	10,217		9,618							9,618	10·25	15·55	16·90	25·88	
		Ditto, 2nd "	586	78																	
		Machgong	776	137	137	8,453	27,409		28,669							28,600	7·58 8·20	11·25 13·50	17·62 15·60	32·20 27·70	
		Kendrapara	1,067	385	246	33,159	37,965		45,917		2,659	36			2,695	48,612	9·35	12·50	8·63	18·34	
		Gobri	372·82	24·88	19·40	1,382	1,921		3,057							3,057	10·25	15·29	11·35	18·77	
		Do. extension	648	51·16	51·36	420	2,590		5,418							5,418	No gauge.		No gauge.		
		Pattamoondi	885	94·81	43·45	2,504	3,[illegible]26		12,127		25				25	12,152	Ditto.				
	Balasore	High Level, Range I	608	354	336	18,924	16,044		20,732							20,732	8·22	12·07	7·35	24·15	
		Ditto, ditto II	726·16	342	392	2,321	2,161		2,151		62				62	2,213					
		Ditto, ditto III	726·16	135	Not observed.	32,018	31,726		38,452			174			174	38,626	11·05	20·09	7·28	20·11	
		Total				105,561	133,469		164,141		2,746	210			2,956	167,097					
		Total of the corresponding period of last year							157,695		385	146			531	158,226					
South West-ern.	Midnapore	Midnapore	1,411	163	845	73,265	62,644		75,093							75,093	8·12	20·44	6·08	30·03	Whole month discharging.
	Howrah	Panchkoorah	522	89	79	4,313	3,678		5,350							5,350	10·33	21·53	5·87	26·78	18 days discharging.
		Tidal reaches, Ranges I-II				330	93		378							378					
		Total				77,908	68,415		80,819							80,819					
		Total of the corresponding period of last year							69,458							69,455					
Sone	Shahabad	Western Main	4,342	2,314	145	10,014	9,330	12,983		1,292		97		155	1,744	14,527					
		Buxar	1,226	626	794	32,545	41,76[illegible]	48,8[illegible]		6,59[illegible]		1,7[illegible]	1	2,864	9,5[illegible]	58,44[illegible]	2·32	4·54	14·04	18·07	
		Arrah	2,000	1,398	1,213	81,639	82,45[illegible]	7[illegible],[illegible]8		23,917		143	159	6,944	3[illegible],513	107,441	5·11	12·85	20·25	35·41	
	Patna and Gya.	Eastern Main	1,466	689	579	945	1,141	134		1[illegible]2		8			1[illegible]6	1,[illegible]44					
		Patna				38,361	35,075	32,[illegible]07		10,3[illegible]8		277	126		10,781	42,855	7·84	21·58	19·50	24·44	
		Total				170,494	156,261	170,508		42,286		1,052	236	9,861	53,737	2[illegible]4,345					
		Total of the corresponding period of last year						192,281		15,690		3,929	201	8,741	28,[illegible]61	220,642					
		Grand Total				353,963	390,145	170,8[illegible]9	244,960	42,286	2,746	1,262	236	9,963	56,493	472,361					
		Grand Total of the corresponding period of last year						192,281	227,153	15,690	385	4,075	201	8,541	28,692	448,326					

CALCUTTA,
The 22nd October 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPRATMENT, BENGAL

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1891-92.

Areas leased for irrigation up to end of August 1891.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of Areas Leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugarcane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1891-92. During month.	Up to end of month.	Rainfall, 1890-91. During month.	Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches	Inches	Inches	
Orissa ...	Cuttack ...	Taldanda, 1st reach ...	1,312	457	89	20,081	10,671	......	10,331	......	273	21	...	...	294	10,625	18·50	34·05	7·70	36·18	
		Ditto, 2nd " ...	566	139													16·79	27·94	7·50	40·70	
		Machgong ...	776	292	292	26,446	29,235	......	31,025	......	63	4	...	...	67	31,092	14·30	27·80	8·35	36·15	
		Kendrapara ...	1,067	617	508	46,109	49,547	......	49,522	......	3,307	50	.	...	3,357	52,879	13·46	25·95	4·00	23·34	
		Gobri ...	372·52	57·05	25·43	2,340	2,804	......	3,057	......	74	......	...	......	74	3,131	17·27	32·55	9·12	27·89	
		Do. extension ...	648	60·13	60·13	2,741	3,12.	......	3,418	......	20	......	...	...	20	3,438	No gauge.		No gauge		
		Paramoondi ...	865	214·64	154·31	9,014	10,161	......	12,127	......	44	......		...	44	12,171	Ditto.				
		High Level, Range I ...	608	218	291	20,653	19,890	......	20,732	...	17	11			28	20,760	14·78	28·75	4·30	26·45	
		Ditto, ditto II ...	726·16	Not received.		2,626	2,445	......	2,377	...	62	...	..		62	2,439	No gauge.			...	
	Balasore ...	Ditto, ditto III ...	726·16	Ditto.		34,921	37,694	...	40,309	......	......	174		...	174	40,483	17·52	37·61	6·59	27·00	
		Total ...	......	...	......	1,64,930	1,65,457	......	1,71,898	...	3,860	260		..	4,120	1,76,018	...	...	...	...	
		Total of the corresponding period of last year ...	...	......	...	......	......	...	1,72,296	......	4,261	209	.	..	4,470	1,76,766	...	...	......	...	
South-Western.	Midnapore ...	Midnapore ...	1,411	176	128	76,137	69,403	..	75,951	...	...	...	...	...	...	75,951	23·27	43·71	5·41	35·44	28 days discharging.
		Panchkoora ...	523	21	18	4,365	4,139	.	5,371	...	...	...	...	...	...	5,371	8·85	30·18	4·11	30·9.	7 days discharging.
	Howrah ...	Tidal Reaches, Ranges I-II	......	...	......	342	363	. .	376	......	......	...	...	.	...	376	......	...	...	...	
		Total ...	...	......	...	80,844	73,908	.	81,698	......	...	...	...	...	...	81,698	...	...	...	...	
		Total of the corresponding period of last year ...	......	..	...	......	.	..	74,056	43	.	...	...	.	43	74,099		..	...	...	
Sone ...	Shahabad ...	Western Main ...	4,342	3,023	198	10,405	10,055	13,065	......	1,767	......	105	..	155	2,027	15,092	8·13	12·67	16·05	30·12	
		Buxar ...	1,226	833	436	43,061	42,487	50,077	......	7,590	......	130	24	2,864	10,608	60,685					
		Arrah ...	2,000	1,830	1,730	94,616	1,01,991	80,011	......	30,621	......	543	164	6,954	38,282	118,293	5·11	17·96	13·06	51·47	
	Patna and Gya.	Eastern Main ...	1,466	1,199	1,179	1,571	1,369	984	......	669	......	8	1	...	678	1,662	6·33	27·91	16·75	51·19	
		Patna ...				52,848	41,752	33,279	......	20,759	......	277	177	...	21,213	54,492					
		Total ...	......	..	...	2,02,501	1,97,693	1,77,416	...	61,406	...	1,063	366	9,973	72,808	250,224	...	.	...	...	
		Total of the corresponding period of last year ...	......	......	......	......	....	1,94,727	...	24,428	......	3,977	349	8,544	37,298	232,025	...	...	......	......	
		Grand Total ...	......	......	......	4,48,275	4,37,058	1,77,416	2,53,596	61,406	3,860	1,323	366	9,973	76,928	5,07,940	......	...	......	......	
		Grand Total of the corresponding period of last year ...	......	......	......	......	......	1,94,727	2,46,352	24,471	4,261	4,186	349	8,544	41,511	482,590	......	......	......	......	

CALCUTTA,
The 22nd October 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 10th October 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 10th October 1891.			Week ending Saturday, the 11th October 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	775	1,55,575	2,627	514	82,200	1,270
Jute	222	79,825	1,451	413	2,02,825	3,599
Firewood	134	69,825	1,273	147	80,925	1,041
Other articles	1,068	2,58,925	3,815	1,202	3,52,275	3,716
Total ...	2,199	5,61,150	9,169	2,306	7,18,225	9,626

CALCUTTA AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 17th October 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 17th October 1891.			Week ending Saturday, the 18th October 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	657	1,36,275	2,190	307	58,860	957
Jute	262	93,700	1,723	184	99,410	1,812
Firewood	130	76,475	1,160	91	62,625	794
Other articles	767	1,51,490	2,409	1,116	3,00,140	4,361
Total ...	1,816	4,57,940	7,482	1,698	5,21,035	7,924

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 24th October 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 24th October 1891.			Week ending Saturday, the 25th October 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	637	1,33,825	2,116	338	57,000	884
Jute	315	1,25,500	2,168	361	2,11,930	3,776
Firewood	135	74,750	1,154	182	95,075	1,948
Other articles	1,165	2,60,420	3,890	850	1,91,425	3,046
Total ...	2,252	5,94,495	9,358	1,731	5,55,430	9,054

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 3rd October 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*235,019	*2,75,713 8 0	23,87,542 10	5,57,649 7 0	16,709 1 0	8,50,192 0 0	70,538¼	88,872¼	159,410½
Or per mile of railway	......	180 12 1	.. ..	365 8 10	11 0 2	557 5 1	.....	......	.. ..
For previous 13 weeks of half-year	3,145,757	31,19,187 2 0	2,87,34,243 20	67,18,104 13 0	1,92,273 5 0	1,00,29,565 4 0	903,007¼	1,176,832½	2,079,839¾
Total for 14 weeks ...	3,401,676	33,94,931 10 0	3,11,21,785 30	72,75,754 4 0	2,09,072 6 0	1,08,79,757 4 0	973,545½	1,265,704¾	2,239,250¼
Comparison.									
Total for corresponding week of previous year	235,976	2,47,207 0 4	18,38,730 20	4,41,327 0 7	15,586 7 3	7,04,121 1 2	65,497	75,272	140,769
Per mile of railway corresponding week of previous year ...	......	162 0 10	.....	289 4 9	10 3 6	461 9 1	......	......	.....
Total to corresponding date of previous year	3,118,885	31,15,901 8 10	2,58,32,592 20	57,32,568 5 6	2,24,477 11 11	90,72,047 10 3	872,797	1,056,278	1,929,075

* The increase in coaching traffic is due to pilgrims returning from Gya.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 10th October 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated.)	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*277,341	*3,03,312 7 0	24,94,341 30	5,93,139 11 0	16,750 2 0	9,13,202 4 0	70,905¼	92,196	163,101¼
Or per mile of railway ...	....	198 13 3	......	388 13 1	10 15 8	598 10 0	... ..	......	......
For previous 14 weeks of half-year	3,401,676	33,94,931 10 0	3,11,21,785 30	72,75,754 4 0	2,09,072 6 0	1,08,79,757 4 0	973,545½	1,265,704¾	2,239,250½
Total for 15 weeks	3,679,017	36,98,243 1 0	3,36,16,127 20	78,68,893 15 0	2,25,822 8 0	1,17,92,959 8 0	1,044,450¾	1,357,900¾	2,402,351½
Comparison.									
Total for corresponding week of previous year	237,772	2,63,731 1 8	19,95,783 10	4,91,906 11 6	15,941 3 8	7,70,769 0 10	68,750	78,106	146,856
Per mile of railway corresponding week of previous year ..	....	172 14 1	....	321 14 1	10 7 2	505 4 1	......	.....	.....
Total to corresponding date of previous year	3,356,657	34,79,632 10 6	2,78,28,375 30	62,23,665 1 0	2,40,418 15 7	98,43,716 11 1	941,517	1,134,384	2,075,931

* The increase in coaching traffic is chiefly due to the "Durga Poojah" holidays.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 17th October 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	*235,623	*2,80,388 12 0	17,02,851 30	4,53,119 3 0	16,236 2 0	7,49,724 1 0	69,713¾	75,881¾	145,595½
Or per mile of railway ..		183 12 7		297 0 6	9 15 10	490 12 11	.....	... ..	......
For previous 15 weeks of half-year	3,679,017	36,98,243 1 0	3,36,16,127 20	78,68,893 15 0	2,25,822 8 0	1,17,92,959 8 0	1,044,450¾	1,357,900¾	2,402,351½
Total for 16 weeks ..	3,915,640	39,78,611 13 0	3,53,18,979 10	83,22,013 2 0	2,41,058 10 0	1,25,41,683 9 0	1,114,164½	1,433,782½	2,547,947
Comparison.									
Total for corresponding week of previous year .	249,216½	3,02,414 1 1	18,52,710 20	4,57,184 5 3	16,861 11 7	7,76,460 1 11	72,302	73,813	146,115
Per mile of railway corresponding week of previous year ..	...	198 3 10		299 11 2	11 0 10	508 15 10	......	.....	... .
Total to corresponding date of previous year	3,695,873½	35,82,046 11 7	2,96,81,106 10	66,90,849 6 3	2,57,250 11 2	1,06,20,176 13 [illegible]	1,013,849	1,208,197	2,222,046

* The decrease in coaching traffic is due to figures for the corresponding period of 1890 having included the rush of traffic in connection with the "Doorga Poojah" holidays and pilgrims from Gya.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 10th October 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,048	1,100 0 0	10,411 0	560 0 0	20 0 0	1,680 0 0	519	519	1,038
Or per mile of railway	112	40 0 0	382 0	21 0 0	1 0 0	62 0 0	......	......	.....
For previous 14 weeks of half-year*	41,431	15,087 0 0	1,63,561 0	8,428 0 0	238 0 0	23,753 0 0	7,280	6,950	14,230
Total for 15 weeks ...	44,479	16,187 0 0	1,73,972 0	8,988 0 0	258 0 0	25,433 0 0	7,799	7,469	15,268
Comparison.									
Total for corresponding week of previous year	3,315	1,165 0 0	18,094 0	949 0 0	24 0 0	2,138 0 0	543	598	1,141
Per mile of railway corresponding week of previous year ...	123	43 0 0	664 0	35 0 0	1 0 0	79 0	......	......	.....
Total to corresponding date of previous year	43,282	15,139 0 0	1,50,4[illegible]9 0	8,021 0 0	257 0 0	23,417 0 0	7,988	8,412	16,400

* Audited up to week ending 22nd August 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 10th October 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated) including steam-boat.	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	73,630	27,770	2,24,091	29,240	7,280	64,290	13,295	11,167	24,[illegible]2
Or per mile of railway ...	102·12	38·52	310·80	40·55	10·10	89·17	.....	...	.....
For previous 13½ weeks of half-year	1,0[illegible]3,744	4,22,972	39,10,004	4,57,047	1,19,539	(b) 9,99,558	168,670	188,365	(b)357,035
Total for 14½ weeks ...	1,157,374	4,50,742	41,34,094	4,86,[illegible]87	1,26,819	(b) 10,63,848	181,965	199,832	(b)381,797
Comparison.									
Total for corresponding week of previous year on 691 miles open	89,001	31,407	(a) 1,63,700	30,030	6,419	73,856	12,250	15,123	27,373
Per mile of corresponding week of previous year	128·80	45·45	236·89	52·14	9·29	106·88	.....	...	...
Total to corresponding date of previous year	1,104,631	3,89,087	36,64,351	4,31,684	93,152	9,13,923	168,707	173,045	34[illegible],752

(a) Includes audited figures up to 8th August 1891.
(b) Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 10th October 1891.	Week ending 11th October 1890.	Week ending 10th October 1891.	Week ending 11th October 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	13,460 0 0	14,671 0 0	14,310 0 0	16,734 0 0
Goods	11,900 0 0	12,877 0 0	17,340 0 0	23,153 0 0
Other earnings	4,010 0 0	3,524 0 0	3,270 0 0	2,895 0 0
Total ...	29,370 0 0	31,072 0 0	34,920 0 0	42,784 0 0

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CONTENTS.

RESOLUTION ON THE REPORT OF PUBLIC INSTRUCTION IN BENGAL FOR THE YEAR 1890-91.

GENERAL DEPARTMENT—EDUCATION.

No. 507.

Calcutta, the 26th October, 1891.

RESOLUTION.

READ—

The Report on Public Instruction in Bengal for the year 1890-91.

Preliminary.

The Annual Report for 1890-91 has been submitted by Sir Alfred Croft, K.C.I.E., who was in charge of the Department of Public Instruction throughout the year. It has unavoidably been laid before Government a few days after the prescribed date, and the Lieutenant-Governor trusts that next year due punctuality will be observed. According to the standing rule that full details need only be printed in alternate years, the present report might have been considerably curtailed, but the Director has rightly anticipated His Honour's wishes in treating certain portions of it at full length.

Number under instruction.

2. A comparison of the statistics shows that public institutions have increased by 145, and their pupils have diminished by 15,434; private institutions were fewer by 480, and their pupils less by 7,546: total loss 335 institutions and 22,980 pupils. The fluctuations in the numbers attending higher education are of an ordinary

character, and their general tendency is to increase. The decrease in the number of lower primary schools has been continuous during the last four years, as the following figures show:—

	Number of schools.	Number of pupils.
1887-88	45,596	991,110
1888-89	44,854	982,126
1889-90	44,146	960,914
1890-91	43,998	942,244

The figures of 1890-91 are significant and cannot be explained, as last year, by the reappearance of primaries in the list of Koran schools. The net loss of pupils in lower primary schools is over 18,000, whereas the Koran schools are fewer by 195 and their pupils by 4,775. In private institutions also another main reduction is perceptible in Arabic or Persian schools from 1,904 to 1,146. Again, in classifying the figures of the last two years according to the numbers in the several stages of education, the main results are that higher education has progressed, that there has been a general advance of pupils from the upper primary to the middle, and from the middle to the higher stage, while the loss of pupils has been for the most part confined to the lower primary stage. During the decade, 1881 to 1891, education has advanced to the extent of a gain of 18,413 schools and of 540,454 pupils; in other words, the schools have increased by 39 per cent. and the pupils by 58 per cent. The Census of last spring affords an opportunity for further comparisons. In 10 years the population and the number of male and female children of school-going age have increased by between 6 and 7 per cent. During the same period the number of boys at school has advanced by 54 per cent., and of girls under instruction by 166 per cent.

Financial results.

3. In the Resolution on the Director's report for 1889-90, allusion was made to the procedure under which the Accountant-General each year reduces the departmental budget by a large amount on account of probable savings, so that the eventual result can hardly show any further savings. This year also the sum of Rs. 1,73,000 was deducted on this account, so that the actuals have exceeded the reduced estimates by nearly Rs 62,000. After adjusting a charge of Rs. 11,700 on account of the Civil Engineering College, and an excess of Rs. 6,550 in the receipts over the estimates, the net deficit falls to Rs. 43,415. The Accountant-General will doubtless take note of what is said in paragraph 8 of the report, and endeavour to make a more correct approximation in calculating the "probable savings" on the estimates. The total expenditure on education in Bengal, including all disbursements from public and private sources, such as the fees and contributions paid to the University and in all public schools, amounted to Rs. 85,74,000—a decrease of Rs. 1,69,000 as compared with the preceding year. The expenditure from public sources rose from Rs. 32,37,000 to Rs. 32,67,000, the increase being almost entirely from Provincial revenues; the private contributions fell from Rs. 55,06,000 to Rs. 53,07,000; the greater part of this decrease was in the fee-receipts of the schools. The whole difference of two lakhs represents a merely nominal decline, as both the fee-receipts and the other sources of income were erroneously excluded from the returns of the year in unaided high English schools for Europeans. Collegiate, secondary, primary, special education, all cost less than in the preceding year, but Rs. 63,000 more were spent on female education. Municipal funds contributed Rs. 9,000 less than last year, and the same uncertainty that has before been noticed continues to attach to their figures. The Lieutenant-Governor would be glad to hear that the difficulty of obtaining authentic figures from the municipalities had been surmounted.

Controlling agencies.

4. The Director visited several districts and colleges during the year, and separate orders have recently been issued with respect to the amount of inspection duty he will be expected to perform personally in future. The Assistant Inspectors were all engaged on touring for long periods, and an explanation has been furnished to show why some of them showed less work of this kind than might have been expected. The amount of work performed by the Inspectress of Female Schools in touring, and the number of schools visited, should be stated in future. The Lieutenant-Governor has noticed the Director's remarks

on the want of an Assistant Inspector in the Dacca Division, and will await a re detailed exposition of the difficulties which have arisen in connection with the insufficiency of inspection in the Chittagong Division. It is certainly inadequate for the Inspector to spend only four days in Noakholly and five days in Chittagong respectively. The periods spent on tour by the Deputy Inspectors vary from an average of 148 days in Chittagong to 186 days in Chota Nagpore; this range of variation is much smaller than in the previous year, but the fact still remains that in nine districts the prescribed minimum of 150 days spent on tour was not attained. His Honour is satisfied that the Census operations, in which the officers of the Education Department were largely and very properly employed, interfered to some extent with their ordinary duties, and it is a matter for congratulation that the work of inspection could be conducted with so little detriment on this score. The question of providing the Deputy Inspectors with clerical assistance on a moderate scale has recently been resubmitted by the Director, and is under the consideration of Government. The Sub-Inspectors are required to spend a minimum of 200 days in the interior of the country, and to visit 400 schools a year. The statement furnished does not indicate the individual officers who failed to conform with the standing orders; but the average of time spent on tour fell short in four divisions by various amounts, and only in the Burdwan Division the proper number of schools was visited. The Census work must also be taken as sufficient explanation for any shortcomings this year on the part of Sub-Inspectors. The 940 chief gurus and inspecting pundits paid 270,388 visits to schools. These figures should represent a considerable amount of inspection, and the Lieutenant Governor fully approves of the plan of substituting inspecting pundits for chief gurus, so that the latter may not neglect their own pathsalas. The pundits are the more costly agency, doubtless, but by their better education they ought to improve the standard of the primary schools. Mr. Bellett has properly brought to the notice of Government his view that supervision is greatly neglected by Sub-Inspectors, and His Honour trusts that the responsibilities of these officers for watching the work of the inspecting pundits will be fully maintained.

District Boards.

5. The Director has rightly recorded the fact that the District Boards constituted under the Local Self-Government Act of 1885 now form a part of the regular governing machinery of the country in respect of education. For some time it was likely that difficulties would arise in consequence of the reluctance of the departmental officers to adopt a new system, and on the other hand, of the novelty of the duties imposed on the members of the Boards. As might have been expected, the experience of five years' working has produced good results. The relations between the Boards and the departmental officers are pronounced to be eminently satisfactory with hardly any exceptions. The differences between these authorities in the Burdwan and Orissa Divisions, mentioned in last year's report, have been composed. It is also gratifying that these improvements can be traced to distinct causes, such as the appointment of the Deputy Inspector as an *ex-officio* member of the District Board in every district but one; and secondly, the issue of revised rules under the Local Self-Government Act. The rules were framed with great care, have been found to be nearly complete, and are rarely broken. Sir Alfred Croft has again mentioned a few instances in which there have been differences of opinion, more or less pronounced, between District Boards and the departmental officers. The instances have been few, and the Lieutenant-Governor has no wish to hamper the former by unreasonable restrictions where they are within their rights, though he thinks they would ordinarily do well to follow the advice of experts. It is observed that the Deputy Inspector is not a member of the Gya District Board, and this exception should not be allowed to continue. It is sometimes the practice for the educational work to be disposed of by the District Board, in the person of its Chairman, in direct communication with the Educational Committee in the single person of the Deputy Inspector, whereas the Government has frequently inculcated the necessity of District Boards being fully consulted, in all matters of principle and importance, through their Educational Committees. It is to be regretted, therefore, that at least one District Officer appears to have adopted a policy inconsistent with the orders of Government,

by making over the entire educational work of the Board to the Deputy Inspector under his own supervision as Chairman. He will be directed to subordinate his own views to the authorized policy. A special report will also be called for on the state of education in the Puri district, which appears from the Magistrate's account to be unsatisfactory. The Lieutenant-Governor desires it to be understood that he will look to the District Boards through their Educational Committees and the Deputy Inspectors, to carry out all the duties assigned to them under the orders of Government. The Local Boards which have been appointed for educational work in many districts appear to have made a commencement, but their success is evidently so limited hitherto that they cannot be considered to have emerged from the experimental stage.

University Education.

6. There has been no change of any importance in the number of collegiate institutions, though this year returns have been received from only 34 instead of from 36 colleges. Of these 11 are Government, 8 aided and 15 unaided. There has thus been a temporary check in the development of private enterprise in this direction, but the increasing demand for higher education is testified to by the number of collegiate students, viz., 5,232, the highest figure yet attained. This result is a consequence of the large proportion of successful candidates at the Entrance Examination of 1890. Of the increase of 350 students during the year, 173 are in the Government colleges; there are 267 students more in the aided colleges, but the unaided institutions have fallen off by 90 during the year under report. Nearly half the colleges are in Calcutta, and they have attracted nearly two-thirds of the whole number of students. The numbers of the successful candidates at the University Examinations during the last four years have varied as follows :—

	1888.	1889.	1890.	1891.
First Arts	481	629	996	693
Bachelors of Arts	323	366	399	231
Masters of Arts	43	58	62	57

The proportion of First Arts students successful is almost identical with last year, but the decrease in the number is due to fewer candidates having passed the Entrance Examination in 1889 compared with 1888. The Government colleges fully maintained a marked superiority in passing candidates, not only in total numbers, but also in places in the higher division and in scholarships. The successful Bachelors of Arts fell from 40 per cent. of the candidates in 1890 to below 29 per cent. in 1891. These great variations in the ratio of success are very unsatisfactory. If due to the inferiority of the candidates it is inevitable; if to changes in the teaching staff it is avoidable, and should be avoided. The Lieutenant Governor looks to the Director to see that the interests of the Professors are not considered before the interests of the students. If these variations are due to a difference in the standard and to changes in the examination, this swing of the pendulum is discouraging and injurious to the spread of education. Efforts should be made to secure uniformity of standard, and this can only be attained by continuity in the examining body. It is to be regretted that there were many changes in the staff of the Ravenshaw College; but the Lieutenant-Governor is confident that, unless necessitated by considerations of health or other urgent causes, such changes should be made as rarely as possible. The number of Muhammadan candidates successful at the University Examinations for the last three years is shown as follows :—

	1888.	1889.	1890.	1891.
First Arts	19	21	57	16
Bachelors of Arts ..	12	18	21	12
Masters of Arts	1	1	3	2

These results show that the progress recently made has not been maintained, especially in the First Arts Examination. The total expenditure upon collegiate education has decreased during the year from Rs. 6,91,079 to Rs. 6,62,377, or, after certain adjustments, by Rs. 19,000. The charge on Provincial revenues is 40·7 per cent. of this total. In the Government colleges the total cost has also fallen from Rs. 4,09,955 to Rs. 4,00,726, and the cost to

Provincial revenues from Rs. 2,52,465 to Rs. 2,43,757. The annual cost of each student in a Government college decreased from Rs. 244 to Rs. 232, and the cost of his education to Government from Rs. 150 to Rs. 141. Various causes, such as the increased free-receipts and the gradual substitution of cheaper agency, have conduced to these results. The diminished cost of the Presidency College in five years from Rs. 91,304 to Rs. 79,836, simultaneous with increased efficiency, is very satisfactory. The following figures, which refer to the whole number of the collegiate students, are worth recording:—

	1888.	1889.	1890.	1891.
	Rs.	Rs.	Rs.	Rs.
Average cost of each student in a College in Bengal ...	143	124	138	129
The Government share thereof	63	50	55	52

7. Sir A. Croft has made an interesting comparison between the candidates for the A course in Literature and those for the B course in Science. There has been a steady decline of late years in the number of candidates taking up Science, both in aided and unaided institutions; so that, with hardly an exception, it may be said that Science is no longer taught in unaided colleges. On the other hand, the results of the examinations for the last four years have been steadily in favour of the B course candidates. As the Science candidates have succeeded better than those of the A course in the subject of English, in which they are examined in common, the Director is disposed to infer, not that the B course was the easier, but rather that it was chosen by the best candidates. The Director's views on this question are valuable and his criticisim is thorough. But some of the numerical results exhibited in his report differ strangely. It may perhaps be suggested that the B course is the more expensive to teach and requires costly apparatus, so that the result turns very much on the means available for instruction: where they are complete, as at the Presidency College, the mind is well developed and the students do better, even in English; where they are incomplete, as at Dacca and Hooghly, the training is more superficial. If the Director's view as to the mental superiority of those who take up the B course is correct, it is very encouraging, as a training in Science has long been recognized as the great desideratum for the Indian mind, which has shown a greater inclination for literary and philosophic pursuits than for observation and the study of facts. Another reason is alleged for the unpopularity of this course, in the greater ease with which those who have passed in English and mathematics gain posts under Government, and teaching appointments in schools. This is a true and apposite remark. It is to be hoped, however, that a better time is coming for Physical Science and for the diversity of occupations which must follow from the development of factories, mines, and other industrial occupations in the country.

The B or Science course.

8. The number of secondary schools for native boys has risen during the year from 2,366 to 2,393, but the number of pupils has fallen from 201,452 to 199,105. The floods in the Presidency Division affected the middle schools, to which the loss is confined to the extent of 2,000 pupils. The expenditure on secondary instruction has varied in the last three years as follows:—

Secondary education.

	No. of schools.	Public funds.	Private funds.	Total.
		Rs.	Rs.	Rs.
1888-89 ...	2,319	6,01,539	19,34,506	25,36,045
1889-90 ...	2,366	6,08,294	20,11,672	26,19,963
1890-91 ...	2,393	6,11,046	20,62,859	26,73,905

The increase from private funds is about eighteen times as great as that from public funds. It is a good sign that the municipal contributions to secondary education do not increase, as until adequate provision is made for primary, it is no part of the duty of municipalities to contribute large sums to secondary, education. The Lieutenant-Governor will have an inquiry made in the Municipal Department to see whether the figures received therein agree with those of the Education Department. The number of High English Schools has

risen from 343 to 351. Of these nearly 300 are under private management, and their general efficiency affords a proof that the gradual withdrawal of Government from the control of its zillah schools can be effected without appreciable injury to education. Since the year came to an end, the Hindu School at Calcutta has been allowed to remain in existence (although its closure had been decided upon) in deference to representations, and on the condition of paying its way. At the University Entrance Examination 1,710 boys passed as compared with 2,156 in 1890, the percentage of success being 42 instead of 50. Great care is said to be taken to make the tests applied in this examination as constant in quality as possible, so that the fluctuations may chiefly depend on the varying capacities of the candidates. In the Lieutenant-Governor's opinion the real remedy to ensure accuracy of results would be to maintain a continuous body of examiners, which is the best method of securing a uniform standard, and nothing should be done to affect the independence of this body. It would be a source of regret if anything were done to override that independence by the pressure of public opinion either within or without the University aiming at a reduction of the general standard. In future reports it is desirable that there should be on record some information as to places where Government zilla schools exist alongside unaided schools, and where they should either give way to those schools or else should justify their existence. In the Middle English and Middle Vernacular Scholarship Examinations the percentages of successful candidates rose considerably, but the Lieutenant Governor is not disposed to regard these fluctuations as satisfactory unless the tendency is continuously in an upward direction. The system of high schools on a vernacular basis is favourably reported on, and Sir Charles Elliott thoroughly shares the view that the acquisition of a rudimentary knowledge of the principal subjects of study through the mother-tongue has considerable advantages.

Discipline and moral training.

9. The measures that have been adopted of late to give effect to the views of the Government of India in regard to discipline in schools and colleges appear to be bearing fruit. All the higher inspecting officers are decidedly of opinion that improvement has been effected. Conduct registers have been introduced, boarding-houses are becoming more numerous and popular, books of questionable morality are being carefully excluded from the course of study, and breaches of discipline that come to notice are promptly and effectively punished. This progress has been attained by the efforts of the department and the co-operation of the University and school managers. The rules which have been framed for all classes of schools to regulate the transfers of boys from one school to another have had a large share in enforcing discipline. The boy is no longer master of the situation, and cannot now change his school without paying his fees, or without his guardians' knowledge, or when chastised for misconduct, or not promoted to a higher class. It has, indeed, become necessary to watch that the rules are not used oppressively. The Lieutenant-Governor is aware that the evils of insubordination and laxity of discipline were chiefly conspicuous in the large towns, and he hears with pleasure that they have lately diminished. But he is not prepared to accept implicitly the optimistic view in which the officers of the department indulge to the effect that these shortcomings are confined to schools under private management. During the past year facts have been brought to his knowledge, of which he was constrained to take immediate and serious notice. He has heard bad accounts of the state of discipline among the pupils in some Government schools, of the want of respect of the boys for their teachers, of their rudeness to gentlemen, and especially to ladies, out of doors; and he is quite prepared, if a bad case of this kind is proved and warnings are neglected, to close any school or college where such a punishment is required. He fully concurs with the Director that instances of misconduct on the part of schoolmasters should be vigorously dealt with, and that any organised riot, such as occurred in one of the training schools, should meet with condign punishment. It is to be hoped that the labours of the Central Text-book Committee, who selected a number of text-books from the authorised list as having a definite moral tendency, will conduce to the desired results. It may be expected, too, that the home influence and associations of the students will be improved as the parents and guardians become better aware of the importance attached

by Government and the Department to matters of discipline and good conduct.

Physical training.

With regard to physical training, the Lieutenant Governor has not much to add to what has already been declared to be the policy of Government, that all manly games should be encouraged, and that a reasonable amount of financial assistance will be afforded to provide gymnastic appliances and in aid of athletic clubs. The Director has rightly observed that on the whole a fairly sufficient response has been made to the invitation held out by the Government. Some of the professors and masters have shown a laudable activity in promoting and sharing in school games, and their example should be followed by all who are not debarréd by physical inability from doing so. Sir Charles Elliott has noticed with pleasure Sir A. Croft's remark that the European residents of a station generally take keen interest in the games of the school-boys, and he hopes that the friendly intercourse thus commenced will develop into kindly relations between the different sections of the community.

Boarding-houses.

10. The Lieutenant-Governor has perused with interest the statistics of the cost of living in boarding-houses, sometimes called hostels, attached to educational institutions. The facts have been gathered from 26 places outside Calcutta, in which 822 resident students were accommodated. The average cost for each student was almost exactly Rs. 4 a month, of which he contributed the price of his food, Rs. 2-11-6; the remainder, on account of servant, rent and sundries was supplied from Government and other sources. This charge for food cannot be considered excessive, but at most places where the Lieutenant-Governor has made enquiries as to the payment required from a student at a boarding-house, he has found it to be not less than Rs. 4 per mensem, except at Muhammadan institutions. Even at a remote place like Nya Doomka in the Sonthal Pergunnahs the charge was said to be Rs. 4, which seems too large. The families of many ryots and small landholders often live on Rs. 5 or Rs. 6 a month: and though there may not be many boys from this stratum of society in our zillah schools, it is very desirable that they should not be excluded from the boarding houses by inability to pay a sum which bears so large a proportion to the family income. A severe standard of thrift and ascetic living should be offered by boarding houses in Bengal, and Sir Charles Elliott trusts that efforts will be made to reduce the charges as much as possible.

Primary education.

11. The following figures represent the numerical fluctuation of primary education for boys during the last four years:—

	Upper Primary.		Lower Primary.	
	Number of schools.	Pupils.	Number of schools.	Pupils.
1887-88	3,026	112,323	45,595	991,092
1888-89	3,077	115,485	44,854	982,126
1889-90	3,337	124,568	44,145	960,865
1890-91	3,537	128,537	43,997	942,211

It is clear from these figures that there is a natural advance of the best lower primary to the upper primary stage, and the tendency is in the direction of extending patronage to the upper primary schools, while difficulty is experienced in keeping the number of lower primaries up to the mark. The total result is a net gain of 52 primary schools for boys, and a loss of 14,685 pupils. The losses are accounted for by the floods which affected three divisions, the consequent agricultural distress, and epidemics: but the Census may also with reason be held to have affected the collection of statistics about unaided schools, so that the loss may not have been really so heavy as it would appear to be on paper. The following statement shows by Divisions the administration and expenditure of the primary grant upon aided schools in 1890-91:—

Division.	Allotment.	Expenditure.	Schools.	Number of pupils.	Cost per school in rupees.	Cost per pupil in annas.
	Rs.	Rs.				
Presidency ...	88,533	88,499	4,031	113,641	21·9	12·4
Calcutta ...	10,000	9,962	206	9,395	48 3	16·9
Burdwan ...	1,23,110	1,17,305	8,762	221,088	13·5	8·6
Rajshahye ...	80,565	74,163	2,420	61,810	30·6	19·1
Dacca ...	1,04,082	92,360	5,576	129,459	16·6	11.5
Chittagong ...	76,385	68,326	4,763	104,015	14·3	10·5
Patna ...	1,08,714	96,592	5,450	119,246	17·7	12·1
Bhagulpore ...	77,485	72,218	2,313	55,359	31·2	20·8
Chota Nagpore ...	58,032	58,061	1,587	47,310	36 5	19·8
Orissa ...	60,161	57,973	5,297	81,832	10·9	11·3
Orissa Tributary Mehals	2,800	1,444	108	1,255	13·3	18·2
Total ...	7,89,897	7,36,906	40,512	944,410	18·2	12·4

The Lieutenant-Governor would like the last four columns in the larger table in paragraph 89 of the Director's report, from which this statement is abridged, sub-divided into headings "upper" and "lower" primary in future. The proportion of boys actually at school compared with the number of boys of school-going age varies from 68 per cent. at Hooghly to 10 and 7 per cent., respectively, in the districts of Mozufferpore and Durbhunga. In these two cases the figures are extraordinarily low, and indicate great backwardness in the popular desire for learning, and perhaps some lack of support to education on the part of the District Boards. Apart from the sums spent on primary schools from the grant-in-aid fund and the circle school grant, the total expenditure on primary education, controlled by the Department and by District Boards, amounted to Rs. 7,36,906, of which Rs 1,57,311 were from Provincial Revenues and Rs. 5,79,595 from District Funds. The question of the proportion of the primary grant spent on stipends allowed to stipendiary schools to the amount spent on rewards to non-stipendiaries is fully discussed by the Director. The Government policy, as has been repeatedly announced, is, broadly speaking, to replace stipends by payments-by-results. Hitherto, though the stipendiaries represent only about a fifth part of the primary schools, they have for some time past been receiving more than half the primary grant. In spite of the much larger sum spent on each stipendiary school, the fact remains that many non-stipendiary schools are as efficient as the stipendiaries. Thus 30,618 lower primary schools sent pupils to the examination, of which 27,239 were non-stipendiaries and 3,379 stipendiaries. Out of the 30,618, so many as 6,586 schools were successful. Even if all the 3,379 stipendiaries were successful (which is hardly probable), there must have been at least 3,207 non-stipendiary schools successful. To admit of the limited funds available for primary education being used as widely as possible to aid the large number of pathsalas that require some help, the measures to be adopted would be, either to cut down the rate of stipends, or to reduce the number of stipendiaries and extend the system of payment by-results, or to reduce the number of chief gurus and inspecting pundits, or to exclude from rewards the pathsalas that fail to earn a certain fixed minimum. In many instances the District Boards have increased the grant for rewards and reduced that for stipends. The Lieutenant-Governor completely concurs in the Director's views that a system of stipends gives greater stability to the schools and should be extended if funds were available. Sir Alfred Croft writes—

Except in the case of very backward tracts, where hardly any fee-receipts can be looked for, and where, therefore, a stipend is the teacher's chief means of subsistence, small stipends of one or two rupees a month are, it is believed, just as efficacious as larger ones for the purpose of securing the stability of a lower primary school. Such sums might for convenience be paid quarterly as a sort of retaining fee. Moreover—and this is the central point of the scheme—the small stipend should in every case be regarded as an advance out of the reward to be subsequently earned at the central examination, to which all such stipendiary schools should be admitted along with the rest. Thus a school would be entitled to receive only the amount by which the sum earned at the examination exceeded the Rs. 12, Rs. 18 or Rs. 24 already paid, or to be paid to it as a stipend. If any school earned less than the amount of its stipend, it should not be called upon to refund the difference; but its future retention on the list (possibly with an increased stipend, possibly with none) would be decided by the

District Board after consideration of the usefulness of the school and the backwardness of the locality. The total amount that a school could earn at the examination should also be limited to say Rs. 50 (inclusive of the stipend, if any), so that prosperous and well-attended institutions should not carry off an undue share of the primary grant, to the detriment of struggling schools. On the other hand, there is no advantage in frittering away the grant in small payments of Rs 2, Rs. 3, or Rs. 4 to schools that fail to earn any larger rewards at the examination. Such payments would hardly help the schools in any appreciable degree, while they might materially reduce the total sum available for rewarding schools of greater public utility. Something like Rs. 4 or Rs 5 might be fixed as the limit below which no reward would be paid to a school; and it is evident that the fixing of such a limit would supply a struggling school with a very tangible inducement to improve itself and increase its earning power.

Sir Charles Elliott is prepared to accept for the present the lines thus laid down, which may be summed up as recommending (1) the mixed system of stipends with rewards, (2) the fixation of a minimum and a low maximum of rewards, (3) the inclusion of the stipend in the reward ultimately adjudged. Before leaving this part of the subject, he will ask the Director to furnish a statement next year showing district by district the sums spent in stipends and in rewards, and the number of pupils passing the lower primary and standard examinations. The model budget circulated by Dr. Martin for a district with a primary allotment of Rs. 10,000 a year is a useful suggestion as to the division of the amount, but as to the amount itself, it would be well if the proportion that their expenditure on primary schools bears to the total expenditure of District Boards were taken, on an average of the whole province, as a guide to the figure which no District Board should fail to reach. Thus in 1890-91 the District Boards spent 55½ lakhs in all, excluding debt, of which 3½ lakhs, or 6·3 per cent., went to primary education. Sir Charles Elliott also agrees in the Director's recommendation that no school which teaches to the middle standard should receive any assistance from the primary grant except with the permission of the Circle Inspector; that such permission should be withheld unless he is satisfied that there was a sufficient staff to teach the lower and upper primary standards thoroughly, and unless pupils were regularly sent up for the corresponding examinations; and that the number of these schools, with the reasons for aiding them, should be reported annually to the Director. It is desirable that District Boards should adopt these principles. The Government is also prepared to leave it to the Inspectors to decide in what cases the middle schools which employ gurus might still, with regard to their financial condition and other considerations, be allowed to retain them. The Lieutenant-Governor observes that the mode of administering the educational grant in Calcutta is under enquiry—which it appears to need—and will await a report on the subject. He has also noticed the tabular statement designed to show the educational position of each district with respect to primary education. It would be more valuable, in his opinion, if the merit mark were to depend partly on the number of scholars and its ratio to the population of the district, and not only on the number of schools; and it would be an improvement if next year the results could be worked out more fully with reference to these observations. Important measures were adopted during the year to secure better results in the Lower Primary Scholarship Examinations. A small fee of two annas is required from each candidate for the examination, and the Government orders fixing the pass marks in the different subjects have been re-issued. To remove the possibility of the irregularities which have occurred in the reward examinations, it is necessary that the Sub-Inspector alone should be responsible for their conduct. Uniformity of examinations and responsibility for the results are essential. No District Board should make over the examination and assignment of awards based thereon to a voluntary committee assembled for the occasion, then dispersed, and differing as to its members from year to year. The method prescribed by Sir A. Croft in his paragraph 105 seems to be the only one which meets the case, and should be adopted. The general question raised by the Director in paragraph 102, as to the additional grant of about 10 lakhs of rupees if primary education is to receive its full expansion, is an important one and deserves the careful attention of Government. But, at the close of a Provincial Contract, and in the uncertainty that exists as to the revenue which will be left to the Local Government to dispose of when the new contract is made, it is impossible at present to say what can be done next year or until the results of the working of the contract develop themselves.

Special instruction.

12. The number of training schools for teachers, *i.e.* masters, mistresses and gurus, fell from 242 to 222, and the pupils from 1,993 to 1,958; and the cost was diminished by Rs. 11,662. The results of the vernacular mastership examination for pupils of first and second grade training schools and for private candidates show that out of 609 candidates 530 passed and were granted certificates. These men are appointed to masterships in middle and upper primary schools; and it is obviously desirable that all masters in those institutions should have passed through training schools and have received certificates of competency. The next report should show what progress has been made towards reaching this ideal; how many teachers there are in those schools, certificated and uncertificated, what is the average number of annual vacancies, and whether the number who pass out from the primary schools are equal to the number of vacancies. The "other schools of special instruction" include all institutions and departments of institutions teaching Law, Medicine, Engineering, the Calcutta School of Art, industrial schools and other schools of a special character. The statistics relating to their numbers and cost are reproduced in the following form:—

	Number of institutions.	Number of pupils on the rolls on 31st March 1891.	Average monthly roll number.	Expenditure. From public funds. From Provincial Revenues.	From District and Municipal Funds.	From private funds.	Total.	Average annual cost per pupil. Cost to public funds.	Total cost.
				Rs.	Rs.	Rs.	Rs.	Rs. A. P.	Rs. A. P.
I.—Law.									
Government Law Schools ...	6	160	151	......	.....	9,257	9,257	.....	61 4 10
Unaided Law Schools ...	6	895	809	...	......	19,100	19,100	.....	23 9 9
Total Law Schools ...	12	1,025	960	......	......	28,357	28,357	......	29 8 7
II.—Medicine.									
Medical College, Calcutta	1	197	230	1,91,351	.....	9,505	2,00,856	831 15 4	873 4 7
Government Medical Schools	4	651	669	72,636	...	17,193	89,829	109 9 2	134 4 4
Unaided Medical Schools ...	4	336	338	..	.....	8,234	8,234	......	24 5 9
Total Medical Schools ...	9	1,184	1,237	2,63,987	..	34,932	2,98,919	213 6 6	241 10 4
III.—Engineering.									
Civil Engineering College, Sibpur	1	271	269	60,888	......	11,499	72,387	226 5 7	269 1 6
Government Survey Schools ...	3	432	441	6,759	.....	5,563	12,322	15 5 2	27 15 0
Total Engineering Schools	4	703	710	67,647	....	17,062	84,709	95 4 5	119 4 11
IV.—Art and Industry.									
Government School of Art ...	1	173	184	26,292	......	4,081	30,37	160 5 0	185 3 2
Ditto Industrial Schools ...	2	38	37	1,420	.....	952	2,372	36 6 6	60 13 1
Board Industrial Schools	2	100	97	.....	2,814	1,375	4,189	......	43 2 11
Aided ditto ..	7	318	304	1,551	476	4,343	6,370	5 1 7	20 5 3
Unaided ditto ...	4	134	119	.....	..	548	548	......	4 9 8
Total Arts Schools ...	16	753	723	29,263	3,290	11,299	43,852	40 7 7	60 10 5
V.—Other Schools of Special Instruction.									
Government schools ...	1	58	57	4,593	.....	.....	4,593	80 9 3	80 9 3
Aided schools ...	8	281	258	734	489	2,842	4,065	2 13 6	15 12 1
Unaided schools ...	4	211	195	..	....	607	607	.. ...	3 1 9
Total other schools	13	550	510	5,327	489	3,449	9,265	10 7 1	18 2 6
Grand Total ...	54	4,215	4,140	3,63,224	3,779	95,099	4,65,102	......	......

The variations in the numbers of the students in the several professions are of interest, as follows:—

Year.	Law.	Medicine.	Engineering.	Arts and Industry.	Other special schools.	Total.
1888-89 ...	935	999	518	651	172	3,275
1889-90 ...	912	1,046	622	795	611	3,986
1890-91 ...	1,025	1,184	703	753	550	4,215

Having regard to the crowded condition of the profession of Law, it is not satisfactory to see that the Bengali youths throng to it in greater numbers, but the increase of recruits for Medicine and Engineering is a matter for congratulation. The falling off in the numbers under education in schools of Arts and Industry is slight and probably accidental, for there is a perceptible movement in all parts of the Province in favour of the establishment of industrial schools. a movement which the Lieutenant-Governor desires heartily to encourage, as in his opinion, what the country most wants is a diversity of pursuits for its educated youth, and not an adherence to the beaten path of literary careers. Turning to the detailed account of the institutions furnished by the Director, it is observed that in paragraph 121, Tipperah alone is mentioned as a district in which scholarships are provided for female medical education, whereas the Local Self-Government Resolution of 1889-90 records that many other districts have done the same—Midnapore, Burdwan, Bankura, Bakerganj, Chittagong, and all the districts of the Rajshahye Division. During the year certain measures of great importance were matured for the improvement of the working of the Sibpur Engineering College, for which a useful future is anticipated. In fact it is to this College and to the School of Art that Government looks as the chief institutions for imparting technical education in Bengal. The former is the centre of instruction in mechanical and manufacturing industries; artizans are trained to a high degree of skill in general processes, and a site is afforded for the development of various branches of special industry, for the supply of trained teachers to local technical schools, and for advanced instruction. The School of Art occupies a similar position in the extensive field of artistic and decorative industry. The practical importance of drawing and painting has long been recognised. Lithography and wood-engraving have for some time been taught with great and acknowledged success. Modelling has always been practised. The various branches of the fictile art had yet to be taken up. It is probable that the necessity for a School of Design will be felt as manufactures progress and the demand for ornamentation developes. The Lieutenant-Governor recognises that the idea of concentrating technical education at the Sibpur Engineering College and at the Calcutta School of Art is one that can only be carried out gradually, and that its fruits must be looked for in the next generation He will endeavour to maintain these institutions on the highest possible scale of efficiency while encouraging the establishment by District Boards, and through other agencies, of local schools of technical instruction, wherever an effective demand for them may arise. His Honour agrees in the views expressed by the Director as to the possible usefulness and future of such institutions as the Rangpur technical school, and he regrets that so much delay has been allowed to occur in the establishment of the contemplated industrial school at Maimansingh, for which funds have been provided by the liberality of Babu Jogendro Kishor Rai Chowdri.

Female education.

13 The main statistics of female education are entered in the following table:—

Class of schools.	Number of schools.	Number of pupils on the rolls on the 31st March 1891.	Average number on the rolls monthly.	Average daily attendance.	Expenditure. From public funds. Provincial revenue.	District funds.	Municipal funds.	From private funds. Fees.	Other sources.	Total.
					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Managed by Government	2	198	200	164	19,444	......	120	5,708	797	26,069
Ditto by District or Municipal Boards	5	210	214	145	......	......	1,289	......	55	1,344
Aided by Government or by District or Municipal Boards	2,055	42,733	39,865	29,604	72,028	25,407	8,172	20,032	1,87,615	3,13,314
Unaided	176	3,307	3,164	2,306	......	......	......	287	10,073	10,360
	2,238	46,448	43,443	32,219	91,472	25,467	9,581	26,027	1,98,540	3,51,087
						1,26,520		2,24,567		
Figures for 1887-88	2,247	46,038	......	......		1,17,214		1,90,659		
Ditto for 1888-89	2,302	47,888	......	......		1,21,106		1,88,915		
Ditto for 1889-90	2,153	46,090	......	......		1,20,171		2,06,788		
	8,940	180,064	....	......		4,85,011		8,10,929		

Besides the figures above, there are also 32,417 girls in boys' schools. The net result of the year is a gain of 85 schools and of 502 pupils. The cost of

the education of girls as compared with boys is much higher. One young lady passed the B.A. examination and four the First Examination in Arts from the Bethune College. Some success was obtained in the medical examinations of the University. Considerable changes have recently been made in the admission test and curriculum of the female certificate class attached to the Calcutta Medical College, with a view to secure a higher standard of general and professional education Students will now be required to have passed the Entrance examination of the Calcutta or some other University, and the course of study is to be extended from three years to four. The special standards for girls' scholarships originally sanctioned for Calcutta and the neighbourhood were extended to the mofussil, but, though highly suitable for girls, have not been adopted to any appreciable extent by schools in the interior. It appears that school managers are not willing to forego the advantage of qualifying by the ordinary departmental standards for the Government scholarships. The idea of separating some portion of the district allotment for scholarships and confining it to the candidates from girls' schools that adopt the special standards is worthy of further consideration.

Education of Europeans.

14. The statistics of European education, as might be expected, do not change materially from one year to another. The following figures for the last four years show the progress made:—

		1887-88.	1888-89.	1889-90.	1890-91.
Schools	...	72	71	68	69
Pupils ...	...	6,541	6,682	6,710	6,829

The number of boys is higher by 41 and of girls by 78 than in 1890. The Government Boarding School at Kurseong—the only Government school for Europeans in Bengal—had 81 students. Of the 6,829 children in the schools, 3,485 were under Roman Catholic management and 1,591 under the Church of England, the remainder belonging to various denominations. The total cost of European education in Bengal was Rs. 6,17,285, of which the Government expenditure amounted to Rs. 1,65,302. The transfer rules have proved very beneficial in preventing the removal of children from school to school, whether capriciously or in order to evade the payment of fees due to the school. The Lieutenant-Governor recognizes that the inspection of European schools under the Code is a very complicated matter, though he regards this as among the less satisfactory features of the Code. One of its results is that it is found necessary to employ two Inspectors to examine between 50 and 60 schools, which is surely a waste of power. The Lieutenant-Governor is aware that great labour has been expended on framing this Code, and that its alteration is attended by many difficulties, but he would wish still further efforts to be made to simplify it in the direction taken by the new revised Code in England, which differs from the old Code in this respect, that the Inspector can give marks to a class by his judgment of its average proficiency, not by examining each child separately and adding up its marks. This system is no doubt more applicable to well established and advanced schools, than to those whose existence is precarious, or which are in a rudimentary stage. A step has been taken in the desired direction by establishing the principle of a fixed grant in the place of grants based on the results of the annual examinations for the most advanced and deserving schools. Three schools during the year have been placed on this list.

Muhammadan education.

15. The number of Muhammadan pupils decreased during the year from 433,653 to 415,428, or by 18,225, and the percentage on the total number of pupils from 29·06 to 28·2. The recorded number of Muhammadan pupils decreased enormously in those classes of private institutions which are specially maintained for youths of that religion, viz., advanced Arabic or Persian schools and Koran schools. Under the former the loss is 758 schools and 8,829 pupils; under the latter, 195 schools and 4,775 pupils, as above mentioned. The general causes which have conduced to a reduction in the recorded number of unaided primary schools affected this class of education also, but the decrease of 765 schools and 13,597 pupils in two municipalities—Dacca and Naraingunge—is due to a scandalous case of fraudulent returns submitted in 1890 by subordinate inspecting officers,

which was discreditable to all the officials concerned. The Lieutenant-Governor concurs with the Director in charging the Deputy Inspector with negligence in not at once detecting this fraud. The want of success of the Muhammadan students at the University examinations has already been noticed; they also fell off at all the departmental examinations except that for the Middle English Scholarship. These fluctuations are perhaps inevitable, but they are disappointing, as they have occurred in spite of Government encouragement and pecuniary support. Special facilities for University education are offered to Muhammadan students in the shape of scholarships; a large number of scholarships and prizes are attached to the Calcutta Madrassa, and every candidate who passed the Entrance Examination from that institution gained either a scholarship or a prize. It is difficult to see how Government can do more to carry out the policy recommended by the Education Commission, and deliberately adopted since, that special schools should be provided for Muhammadans, or the special instructions that they require supplied in ordinary schools. The Government is prepared to show some reasonable regard for the circumstances of this portion of the community; but special favours should not extend to any great degree of inequality as compared with the Hindus, or fall into the extreme of accustoming the Muhamadans to look on themselves as so weak as to require protection from fair competition. The Lieutenant-Governor will give full consideration to any proposals which the Director may feel himself justified in making in the direction of the appointment of Maulvis in middle and high schools under public management, or for the devotion of a portion of the Mohsin Fund to the part-payment of fees in English schools, or for a system of free studentships, or for the reservation of a certain proportion of public scholarships, or for the raising of the limit of age for scholarships in the case of Muhammadans: the exact measures to be adopted cannot be determined in dealing with an annual report. One idea has already assumed shape and is promising. In order to promote primary education among Muhammadans, it is proposed to offer definite recognition as well as encouragement in the shape of stipends to *maktabs* teaching Urdu and Persian, on condition that a certain standard of useful vernacular instruction is introduced, the *maktabs* to be divided into three classes, purely Koran schools being excluded. Sir Charles Elliott will be glad to hear in due course what success is met with in carrying out these proposals. With regard to the elimination of the Koran schools from the returns—a point which the two Muhammadan Assistant Inspectors are agreed in urging on the ground that they have no rightful place there, being altogether disconnected with secular education—the Lieutenant-Governor can only say that, as these schools were introduced into the returns under the orders of the Government of India, they cannot be excluded without consideration in a special report.

Education of aborigines and indigenous education.

16. The number of pupils of aboriginal races under tuition has slightly advanced, viz., from 29,479 to 29,757, an increase of 278. The Christians are more numerous by 304, but the non Christians are 26 fewer. The Director alludes to the difficulty of classifying these races which the returning officers experience. It is a difficulty not confined to educational returns. Taking the figures as they are given, however, there are 2,704 Christians and 14,462 non-Christians being educated in Chota Nagpur, and, as the Director says, it is to the missionaries above all that the credit of educating and civilising the aboriginal races of Chota Nagpur is chiefly due. The pupils in the missionary schools in Chota Nagpur increased from 3,582 to 3,680, while the expenditure fell from Rs. 39,011 to Rs. 32,577, of which Government paid less than two-sevenths. A good example is also shown by Dr. Saise, the Manager of the Karharbari collieries of the East Indian Railway, in providing good schools for the miners' families. The Sonthals in the Burdwan and Bhagulpur Divisions, and the Paharias in the latter, are next in number and are making some progress. One aboriginal pupil passed the University Entrance Examination, and 393 the Departmental examinations. Fewer boys passed the Upper and Lower Primary Examinations than last year.

The development of indigenous education, which was noticed during the three previous years, has not continued, as the following figures show:—

	1887-88.	1888-89.	1889-90.	1890-91.
Schools	10,048	11,709	13,867	13,387
Pupils	96,721	117,284	139,603	132,057

Sanskrit *tols*, elementary schools for boys, and other schools, have increased, but the remarkable loss in Arabic and Persian schools, already noticed, adversely affected the total. During the year Mahamahopadhyaya Mahesh Chandra Nyayaratna, C.I.E., was deputed to visit the Sanskrit *tols*, and his report is awaited.

The Central Text-book Committee.

17. The Central Text-book Committee, to whom since 1875 has been entrusted the duty of approving the books to be used in schools, continued to do good work during the year. Out of 198 books on various subjects received for examination, the Committee approved 53, rejected 107, and still had 38 to peruse. A revised list of authorized text-books for middle schools was published in the *Gazette* of 15th July 1891. Managers of schools are at liberty to choose any of the books in the list, except when special text-books in particular subjects have been prescribed. The Committee have undertaken the preparation of similar lists for the middle classes of high schools and for primary schools. Branch Committees for Behar and Orissa deal similarly with books written in the languages of those parts of the country. The Lieutenant-Governor fully believes that Sir A. Croft's grateful acknowledgments of the laborious and important work done by these Committees are well deserved for their honest and successful discharge of their duties. Their selections have, Sir Charles Elliott has noticed, been much attacked by some members of the Press, but he has no reason to believe that the attacks are well founded: one thing, however, is clear; there would not be such emulation for inclusion in the approved list, and such vehement passions would not be aroused by the competition, unless large pecuniary profits were at stake. Other facts have come to His Honour's knowledge tending to show that the sale of school-books authorised by Government is very lucrative. Considering the poverty of students in general and the compulsion placed upon them to purchase such of these books as are adopted at their school or college, Sir Charles Elliott thinks that the Committees, besides regarding moral and intellectual excellence, which are and should be the first consideration, should also look to the price at which a book is sold, and should not enter any in their lists unless sold at the lowest price compatible with a moderate profit to the author and publisher.

18. The Lieutenant-Governor is glad to take this opportunity to acknowledge publicly his obligations to Sir Alfred Croft, K.C.I.E., who has for so many years, as Head of the Department, been identified with education in Bengal. His thanks are due to the Director for his report, as well as for his administration of his important charge. Sir Charles Elliott also desires to record his appreciation of the good work which is being performed by most of the Inspectors and their subordinates, as well as the Principals, Professors, and their Assistants throughout the Province.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 31*st October* 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
	Western Districts.		
	BURDWAN DIVN.		
1	Burdwan Oct. 31, '91 Culna ... Cutwa ... Raneegunge ...	0·03 Nil Nil 0·28	Weather—cool in the morning and hot in the day. Winter rice crop badly suffering for want of rain. Sowing of *rabi* commenced, but rain wanted. Condition of cattle generally good. Water and fodder sufficient. Prices of common rice:— Srs. Burdwan ... ... 16 Culna ... ... 14 Cutwa ... ... 15⅜ Raneegunge ... . 16 } per rupee.
2	Bankoora ,, 31, '91	Nil	Weather—seasonable. *Aman* suffering badly. On high lands it is withering for want of rain. Harvesting of *aus* over. Sowing of *rabi* crops begun. No deficiency of fodder or want of water. Condition of cattle generally good. Common rice selling at 19 seers per rupee at Sudder and 15½ seers at Bishenpore.
3	Birbhum ,, 31, '91 Rampore Haut ...	0·02 0·11	Weather—cool and of late cloudy. Some very light and local showers in parts of the district, but not sufficient to do any material good. Rampore Haut subdivision has done better than Sudder, having had about 4 inches of rain in October, against only 2 inches at Sudder. Prospects unchanged. Crops on high lands, especially in the southern half of the district, are in very urgent want of rain and will be very poor if it does not rain soon. Low land crops are very fair, and are pretty safe. Fodder and water plentiful. Condition of cattle normal. Price of common rice steady at 16 to 18 seers per rupee.
4	Midnapur ,, 31, '91	Nil	Weather—fair; cold at night. *Rabi* crops are being sown. *Aman* rice suffering seriously for want of rain. A few cases of cattle-disease. Prices of common rice:— Srs. Sudder ... ... 16 Contai ... ... 18 Ghatal ... ... 19 Tumluk ... ... 15 } per rupee.
5	Hooghly .. 31, '91 Serampore .. Jehanabad ...	Nil 0·24 Nil	Weather—dry and rather cool. Rain needed all over the district. Winter rice has been greatly affected by want of rain. Water-supply and fodder reported to be sufficient. Cases of small-pox among cattle reported from thanas Bulagar and Polba. Prices of common rice:— Srs. Sudder ... ... 13 Serampore ... . 11½ Jehanabad ... ... 14 } per rupee.
6	Howrah ,, 31, '91 Uluberia ...	Nil Nil	Weather—fine. Prospects of *aman* crop injured by want of rain. Sugarcane satisfactory. Price of common rice 14 seers per rupee. Condition of cattle good. Fodder and water-supply sufficient.
	Central Districts.		
	PRESIDENCY DIVN.		
7	24-Perghs. Nov. 3, '91	Nil	Fair bright weather; getting slowly colder. Harvesting of *aus* and jute completed; outturn estimated at 14 and 13½ annas respectively. Want of rain is being seriously felt everywhere. The long-continued drought has very seriously affected the *aman* crop, especially on the high lands. The worst reports come from the reclaimed Sunderbun lots and the Sudder subdivision. Damage from insects reported from Bussirhat. Cattle disease reported from thana Harowa. Fodder and water for cattle sufficient. Prices stationary.
8	Nuddea Oct. 31, '91 Kushtea ... Meherpur ... Chuadanga ... Ranaghat ...	Nil Nil Nil Nil Nil	Weather—seasonable. Prospects of *aman* very unfavourable owing to continued drought. Sowing of winter crops still going on. Common rice selling at 13 seers 7½ chittacks per rupee. Condition of cattle good, and supply of fodder and water sufficient.
9	Khoolna ,, 31, '91 Bagirhat ... Satkhira ...	Nil Nil Nil	Weather—fine and dry. *Aman* paddy on all high lands suffering severely from want of rain. Outturn will be seriously diminished if no rain falls soon. Fodder and water sufficient. Price of common rice 14½ seers per rupee.
10	Jessore ,, 31, '91 Jhenidah ... Magura ... Narail ... Bongong ...	0·06 Nil Nil Nil Nil	Weather—cool and dry. Rain very badly wanted for *aman* paddy, which is getting dried up except on low lands. Winter crops and indigo are being sown, but they also require rain. Supply of water and fodder plentiful.
11	Murshedabad ,, 31, '91	Nil	Weather—seasonable. Winter rice on high lands is drying up for want of rain. Sugarcane and mulberry doing well. Rain badly wanted. Fodder and water for cattle sufficient.
	RAJSHAHYE DIVN.		
12	Dinagepur ,, 31, '91 Thakurgaon ...	Nil Nil	Weather—seasonable. Prospects of winter rice unfavourable. No expectation of rain. Crops reported to be withering for want of rain. Price of rice has risen both at Sudder and Thakurgaon. Rice is selling at Sudder 11 seers per rupee and at Thakurgaon 11 to 12 seers per rupee. Cultivation of *rabi* crops going on. Condition of cattle good everywhere except in Thakurgaon, where disease has broken out in some villages. Supply of fodder and drinking water sufficient.
13	Rajshahye ,, 31, '91 Nattore .. Nowgong ...	Nil Nil Nil	No rain, sky unclouded, cold weather coming in. State of winter rice reported to be bad everywhere; very bad in some places. In no place will a crop in excess of 8 annas be reaped; in some places not more than 4 annas. Ordinary rice selling at 13 seers per rupee. A little cattle-disease here and there. Drinking water and fodder ample.

Division	No	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
		***Central Districts*—concld.**		
RAJSHAHYE DIVN.—*concld.*	14	Rungpur Oct. 31, '91	Nil	Weather—fine with north wind. Prospects of winter rice unchanged. It is slowly coming into ear except on high lands where it is drying up. General average of 8 annas expected. Common rice selling at 12 seers per rupee. Sugarcane promises a bumper harvest. *Kalai* being harvested. Tobacco being planted out Mustard germinating. Fodder plentiful.
		Gaibanda ...	0·08	
		Kurigram ...	Nil	
		Nilphamari ...	Nil	
	15	Bogra „ 31, '91	Nil	Weather—seasonable. No outturn can now be expected from *aman* on high lands. The average outturn for all lands will probably not exceed 8 annas. Lands still under preparation for winter crops. Prospects of the latter good. Price of rice unaltered since last week, *i.e.*, 13½ seers per rupee.
		Sherpur ...	0·85	
		Nowkhilla ...	Nil	
	16	Pubna „ 31, '91	Nil	Weather—fine and cool. *Aman* on one-third of the area sown almost destroyed and has been cut as fodder. For the remaining two-thirds a 7-anna crop is expected. Land is being sown with cold-weather crops, for which rain is badly wanted. Outturn of *aus* has been 12 annas on an average. Price of common rices shows an upward tendency, being 16 seers per rupee at present. Fodder sufficient. No cattle-disease.
	17	Darjeeling „ 31, '91	Nil	Weather—fair. *Bara marua* getting ripe. Sufficient fodder and water for cattle. Prices of common rice:— Srs. Darjeeling ... ... 10 per rupee. Kalimpong ... ... 10 per rupee. Jore Bungalow ... ... 10 per rupee. Pulbazar ... ... 12 per rupee. Nagri ... ... 8 per rupee. Sonadah ... ... 11 per rupee.
	18	Julpigoree „ 31, '91	Nil	Weather—days warm, nights cool. Prospects of *haimanti* paddy not good. Common rice sells at 11 seers per rupee. No cattle-disease. Fodder and water sufficient.
		Eastern Districts.		
DACCA DIVN.	19	Dacca Oct. 31, '91	Nil	Weather—seasonable. Prospects of *aman* on low lands good, but rain wanted for the crop on high lands. *Asrini* crop is being cut. Fodder available. Common rice selling at from 13 to 16 seers per rupee. No cattle-disease.
	20	Furreedpur „ 31, '91	Nil	Weather—cool and seasonable. Prospects of *aman* paddy on low lands fair. High land paddy has withered. Sowing of *rabi* crops commenced. Rice selling at 16, 14 to 16, and 16¼ seers per rupee at Sudder, Goalundo, and Madaripore respectively. Fodder available.
	21	Backergunge „ 31, '91	Nil	Weather—seasonable. State of standing crops not good in the eastern and southern parts wherever the soil is sandy. Rain is much wanted, especially in the Sudder and Bhola subdivisions. Price of common rice varies from 12½ to 18 seers per rupee. Supply of fodder and water sufficient.
	22	Mymensingh „ 31, '91	Nil	Weather—fair. Rain wanted. Standing crops will be much damaged if there be no rain. Condition of cattle good, and fodder and water plentiful. Common rice sells at 14¼ seers per rupee.
CHITTAGONG DIVN.	23	Chittagong Nov. 3, '91	Nil	Weather—fine and clear. Rain urgently wanted. Worms reported to be injuring crops. In some places prospects of crops indifferent. Prices steady.
	24	Noakhally „ 31, 91	Nil	Weather—bright; warm during day, cool at night. Prospects of *aman* rice getting worse owing to continued drought. Prices have risen at Sudder, but not at Fenny. *Rabi* preparations going on and sowings commenced. Condition of cattle and supply of fodder and water satisfactory.
	25	Tipperah „ 31, '91	Nil	Weather—seasonable. Prospects of crops fair. Fodder sufficient. No cattle-disease.
	26	Chittagong Hill Tracts. „ 29, '91	Nil	Weather—comparatively cooler; mornings foggy. Gathering of cotton continues. Ploughing and preparing land for mustard and other cold-weather crops still continues. Last week's rain has done good to plough-paddy, sugarcane and winter crops. Common rice sells at 12¼ seers per rupee.
BEHAR.				
PATNA DIVN.	27	Patna „ 31, '91	0·21	Weather—hot but cool at night. West winds blowing. Paddy badly in want of rain. Plants suffering from drought. *Rabi* and poppy sowings in progress, but prospects marred for want of rain. Prices slightly rising.
		Dinapore ...	0·10	
		Barh ...	0·07	
		Hilsa ...	Nil	
	28	Gya „ 31, '91	0·73	Weather—days hot, nights cool. Late rain has done some good to both rice and *rabi* crops. Sowing of *rabi* going on. Prices of food-grains almost stationary. Supply of fodder and water for cattle sufficient.
	29	Shahabad „ 31, '91	Nil	Cold weather appears to have set in with usual characteristics. Paddy on high lands and unirrigated tracts will be a complete failure. Rain wanted for *rabi* crops; but they are on the whole doing fairly. Some damage is being done by insects in the Sasseram division. Prices rising, and some pressure is being felt by the poorer cultivators in parts of Bhabuah and Buxar subdivisions.
		Buxar ...	0·18	
		Bhabuah ...	Nil	
		Sasseram ...	Nil	
	30	Durbhunga „ 31, '91	Nil	Weather—occasionally cloudy. State of paddy in all high lands is as bad as can be. Low land paddy is still a good crop. In many places paddy has been cut and used for fodder, and the lands ploughed and sown with *rabi* seeds. In other places there is too little moisture for this. Prices rising. Price of *makai* same as last year. Cattle in good condition. Fodder and water sufficient.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—concld.			
Patna Divn.—concld.			
31	Mozufferpur Oct. 31, '91 Hajipur ... Sitamarhi ...	Nil Nil Nil	Weather—seasonable. Prospects of paddy crop poor. Want of rain is being seriously felt everywhere. Artificial irrigation going on wherever it is possible. Fodder for cattle and water-supply still plentiful. Prices of common rice:— Srs. Sudder .. .. 13 } per rupee. Sitamarhi ... . 13 } Hajipur ... ... 17 }
32	Sarun " 31, '91	0·05	Weather—fine; getting colder. A thunderstorm on night of 24th. Rain much wanted for rice crop. *Rabi* germinating well, but more rain required. The thunderstorm of 24th produced as much as $\frac{3}{10}$ths of an inch of rain in places. Fodder and water sufficient. Price of common rice 14 seers per rupee.
33	Chumparun " 31, '91	Nil	Weather—cool at night. *Rabi* sowings in progress. *Bhadoi* crops are being threshed. Estimated average outturn of *aghani* rice in Bettiah 11 annas and in Sudder 9 annas. Supply of fodder and water for cattle sufficient.
Bhagulpore Divn.			
34	Monghyr " 31, '91 Begusarai ... Jamui ...	Nil Nil Nil	Weather—sky clear and bright sun. A thunderstorm seemed coming on on Thursday (29th) evening, but passed away to the west. Winter rice is suffering severely from drought. *Rabi* in Sudder and Begusarai sub-divisions fair, but in Jamui poor. Scarcity anticipated first to be felt in Bukhtiarpur. Fodder so far sufficient. Rice selling at from 12 to 15 seers per rupee.
35	Bhagulpur " 31, '91	Nil	Weather—days hot, nights cool. Rain badly wanted everywhere. No change in the prospects of crops in the subdivisions of Soopaul and Madehpura. Health of cattle good and fodder plentiful. Common rice 14½ seers per rupee.
36	Purneah " 31, '91 Kishengunge ... Arrareah ...	Nil Nil Nil	Weather—nights cool; still hot in the day. Preparation for *rabi* sowings is being pushed on and *rabi* being sown in many parts. Rice crop suffering from want of rain. Estimated outturn in Arrareah 7 annas. Supply of fodder and water sufficient. Prices of common rice:— Srs. Sudder ... . 11 } per rupee. Kishengunge ... ... 10 } Arrareah ... . 15 }
37	Maldah " 31, '91	Nil	Weather—days still warm, but nights cool with heavy dews. Want of rain has affected winter rice on high lands. It is urgently needed now. Prospects of *kalai* continues favourable. Sowing of *rabi* crops not yet finished. Condition of cattle good. Supply of fodder and drinking water satisfactory. Rice sells at from 12 to 17 seers per rupee.
38	Sonthal Perghs. " 31, '91	0·02	Clouds gather and disperse, but not much rain. There have been slight showers. General want of rain is causing fear of shortness of the upland rice. The crop will be very short in Godda and Deoghur. Rain still possible. Fodder sufficient. At Doomka price of common rice 15 seers per rupee.
ORISSA.			
Orissa Divn.			
39	Cuttack " 31, '91	Nil	Weather—dry and hot. *Rabi* crops sown. Both *laghu* and *guru sarad* crop in ear. Rain much wanted for *laghu* and for cold-weather crops as *mung*, &c. Common rice sells at 14 seers 7 chittacks per rupee. Fodder-supply sufficient except in parts of Kendraparah.
40	Pooree " 29, '91 Pipli ... Khurda ... Banpur ...	Nil Nil Nil 0·21	Weather—rather hot. Re-weeding of winter crop (*sarad*) going on. *Bara laghu* coming into ear, and early *laghu* ripening. A very bad harvest possible if no more rain falls shortly. Common rice sells at from 15 to 24 seers per rupee. Cattle disease reported from some parts of the district.
41	Balasore " 31, '91	Nil	Weather—cloudy. Practically no rain this month. Another week of drought may prove very serious for the winter rice crop. Common rice sells at 19 seers per rupee, against 21 seers in the previous fortnight. Sugarcane estimated at 14 annas for the present.
CHOTA NAGPORE			
South-West Frontier Agency.			
Chota Nagpore Divn.			
42	Hazaribagh Oct. 31, '91 Giridih ..	Nil Nil	Weather—cold and at intervals cloudy. Want of rain is being still felt for the paddy crop. *Rabi* sowing continues. Prices of food-grains stationary. Rice selling at from 12 to 16 seers per rupee.
43	Lohardugga " 31, '91 Palamow (up to 25th) ...	0·24 Nil	Weather—cloudy. Harvesting of *gora* rice finished. *Marua* is being harvested. Rain badly wanted for winter rice and for sowing *rabi* crops. Fodder and water for cattle ample. Common rice selling at 15 seers per rupee.
44	Singbhoom " 31, '91	0·06	Weather—seasonable; cloudy at times. Prospects everywhere very satisfactory. Paddy being reaped everywhere. Common rice sold at 24 seers per rupee in Chybassa last market day.
45	Manbhoom " 31, '91 Govindpore ..	0·22 Nil	Weather—seasonable. Prospects of crops good. More rain wanted. Rice selling at from 16 to 20 seers per rupee. Water and fodder-supply sufficient.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 3rd November, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum. (*Sorghum Vulgare.*) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	BENGAL.															
	Western Districts.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan	11 8	11 8	14 0	...	...	...	12 0	12 12	12 6	15 6	15 6	16 9	...	...	...
2	Bankoora	12 8	12 8	14 0	16 0	16 0	18 0	15 0	15 0	17 0	19 0	18 12	19 0		..	...
3	Beerbhoom ...	13 8	13 8	17 4	...	..	...	13 8	13 8	13 8	15 0	15 12	16 8	...	...	...
4	Midnapore	11 0	11 0	10 8	.	..	..	12 0	13 0	13 0	16 0	16 0	16 12	..	...	...
5	Hooghly* .	...	...	...	.	.	..	...	...	..	...	...	...	.	...	...
6	Howrah ..	11 4	...	...	.	.	..	10 8	10 8	10 0	14 8	14 0	14 0	.	...	..
	Central Districts.															
	Calcutta	11 4	11 1	13 6	19 4	19 5	17 15	8 10	8 10	8 12	12 10	12 4	13 1	...	..	...
7	24-Pergunnahs	12 0	12 0	14 0	20 0	20 0	20 0	8 0	8 0	8 0	15 0	15 8	15 0	...	...	...
8	Nuddea	[illegible]3 5	13 1	15 4	22 14	22 14	16 0	11 10	12 5	11 6	13 7½	14 1	13 10	...	.	...
9	Khoolna ...		...	...	...		..	12 0	14 0	12 0	14 4	17 0	14 8	..	..	...
10	Jessore .	11 8	12 0	13 0		..	...	11 12	12 8	11 0	14 8	10 0	13 0	..	...	...
11	Moorshedabad	13 4	13 4	16 0	..		.	11 8	10 0	10 0	15 0	16 0	16 0	...	...	...
12	Dinagepore ..	10 13	11 6	15 10	16 0	17 8	21 12	9 9½	11 12	13 4	11 0	13 0	16 12	...	..	...
13	Rajshahye ...	15 0	14 4	16 8	24 0	24 0	19 8	9 12	12 0	12 12	12 0	13 8	15 0	...	..	...
14	Rungpore	10 10	10 10	13 5			...	10 10	10 10	9 6	12 13	12 4	13 5	...	...	...
15	Bogra ...	12 0	12 0	15 0	...	...	..	11 4	12 0	12 0	13 8	15 0	11 4	...	...	...
16	Pubna	13 8	14 4	18 0				7 0	7 8	7 5	15 0	14 10	14 4	.	..	...
17	Darjeeling*		..	...	...	...	...	...	...	...	...	...	...	..	...	...
18	Julpigoree	11 0	12 0	13 0	16 0	16 0	16 0	6 0	7 0	8 0	11 0	11 0	16 0	..	...	...
	Eastern Districts.															
19	Dacca*	...	..	...	...	.	...	...	...	...	...	...	...	...	...	...
20	Furreedpore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Backergunge*	...	.	..		.		..	...	...	...	...	...	...	...	...
22	Mymensingh ..	9 8	10 0	12 0	...	.		13 0	12 0	10 0	14 0	14 8	13 0	...	...	...

* Return not received.

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa $11\frac{5}{8}$ seers, and Raneegunge 10½ seers.
B At Bishenpore retail price of salt 10 seers per rupee.
C At Rampore Hat retail price of salt 11¼ seers per rupee.
D In subdivisions retail prices of salt per rupee are —Ghatal 11 seers, Contai 10 seers.
D1 At Uluberiah retail price of salt 10½ seers per rupee.
D2 In subdivisions retail prices of salt per rupee are :—Barasat 10 seers 10 chittacks, Diamond Harbour (at Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
E In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers 5 chittacks, and Ranaghat 10 seers.
F In subdivisions retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.

Head-quarters Station Bazars of the Districts of Bengal on the 31st October, 1891.

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts
															BENGAL.
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Western Districts.*
...	...	...	17 0	17 8	18 8	100 0	100 0	100 0	A 11 4	11 4	K 11-2-2	3 5 8	3 5 8	3 7 6	Burdwan.
22 0	22 0	32 0	17 0	17 8	18 0	220 0	200	280 0	B 11 0	10 10	10 8	3 1[illegible] 0	3 12 0	3 10 0	Bankoora.
...	..		13 0	13 0	13 8	160 0	160 0	160 0	C 10 14	10 14	10 8	3 11 6	3 11 6	3 10 0	Beerbhoom.
...			10 10	11 8	12 0	120 0	120 0	120 0	D 10 12	10 12	10 8	3 12 0	3 12 0	3 13 0	Midnapore.
...	..	...	.	..	...	..	...	..	...	...	...	...	..	...	Hooghly.
..	..		11 0	10 12	12 8	100 0	100 0	100 0	D1 10 8	10 8	10 8	3 6 0	3 8 0	3 8 0	Howrah.
															Central Districts.
18 8	18 12	17 13	14 15	15 1	15 6	93 5	90 0	90 4	11 2	11 4	10 4	3 5 2	3 5 0	3 10 5	Calcutta.
..	..	...	17 0	17 0	14 8	100 0	100 0	100 0	D2 11 0	10 12	10 12	3 4 0	3 5 0	3 6 6	24-Pergunnahs.
.		.	16 0	16 0	16 0	..	...	...	E 11 0	9 13	9 13	3 8 0	3 10 0	3 12 0	Nuddea.
..		...	...	...	...	160 0	160 0	160 0	F 9 0	9 0	8 0	4 0 0	4 0 0	4 0 0	Khoolna.
.	.	.	16 0	16 0	16 0	160 0	160 0	160 0	G 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.
..	...	...	16 0	15 0	16 0	200 0	200 0	200 0	H 9 0	11 8	10 12	4 7 6	3 7 9	3 12 0	Moorshedabad.
.	...		16 0	16 0	15 10	160 0	160 0	160 0	I 10 4	10 4	10 0	3 14 0	3 13 0	4 0 0	Dinagepore
.	.	.	16 10	13 4	18 4	240 0	240 0	240 0	J 9 9	9 9	9 9	3 10 8	3 13 4	3 13 4	Rajshahye.
			1[illegible] 5	10 10	10 10	100 0	100 0	100 0	K 10 0	9 6	9 6	4 0 0	4 4 0	4 4 0	Rungpore.
	.	...	...	.	...	90 0	90 0	90 0	9 12	9 6	9 12	4 0 0	4 0 0	4 0 0	Bogra.
...	.	...	17 4	17 4	17 4	2[illegible] 0	200 0	200 0	L 8 15	8 15	K 8-11-2	3 14 0	3 13 0	3 14 0	Pubna.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	Darjeeling.
...	...	...	8 0	9 0	12 0	200 0	200 0	200 0	M 10 0	10 0	10 0	4 0 0	4 0 0	4 4 0	Julpigoree
															Eastern District.
...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	Dacca.
...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	Furreedpore.
..	.	...	...	...	...	...	...	...	...	...	...	..	...	...	Backergunge
...	...	...	9 8	10 0	10 0	...	...		N 10 0	9 8	9 8	3 14 0	3 14 0	4 2 0	Mymensingh.

G In subdivisions retail prices of salt per rupee are :—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongon 10½ seers.
H In subdivisions retail prices of salt per rupee are :—Jungipore 10 seers, Lalbagh 11 seers, and Kandi 11 seers.
I At Thakurgaon retail price of salt 8 seers per rupee.
J In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
K In subdivisions retail prices of salt per rupee are :—Kurigram 8 seers, Gaibanda 9 seers 6 chittacks, and Nilphamari 10 seers.
L At Serajgunge retail price of salt 10 seers per rupee.
M At Fallacotta in Alipore subdivision retail price of salt 8½ seers per rupee.
N In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 9½ seers, Sherpore 8 seers and Netrokona 8 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum. (*Sorghum Vulgare.*)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
	Eastern Districts—concluded.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
23	Chittagong ...	10 0	10 0	11 0	..	...	...	12 0	12 0	12 0	16 0	16 0	15 12	...	...	..
24	Noakholly* ...	...	.	...		...	..	.	...	...	...	...	..	...	...	...
25	Tipperah ...	10 0	10 0	10 0				10 0	10 0	10 0	13 14	16 0	13 14½			...
26	Chittagong Hill Tracts.*		...				...	...	...	...	.	...	.	.		..
	BEHAR.															
27	Patna* ...	...	..	..	...	...	...	..	..	.	...	..		...	..	..
28	Gya ...	13 8	13 8	15 4	22 0	25 0	18 12	10 8	10 8	10 0	14 8	15 0	17 0	...	.	..
29	Shahabad* ...	...	..	...	.	...	..		...	..	.	..	...	.	...	..
30	Durbhunga* ...	...	...	...	...		..	..	...	..	.	..	...	...	...	..
31	Mozufferpore ...	13 0	14 0	16 0	18 0	25 0	18 0	11 0	13 0	9 0	13 0	14 0	14 .	...	-	..
32	Sarun ...	14 5	14 5	15 8	22 0	24 0	16 0	8 8	8 8	8 4	14 0	14 0	14 8	...	...	..
33	Chumparun ..	15 0	15 0	16 0	24 0	24 0	19 0	10 0	10 0	9 0	New. 17 0 Old. 13 0	17 0	16 0	.	...	..
34	Monghyr ...	13 12	14 0	16 12	19 8	20 0	16 12	11 0	12 8	11 0	13 0	13 0	15 3	..	...	..
35	Bhagulpore ...	13 14	13 14	16 6	22 11	21 7	20 3	12 10	12 10	Old 10 11 New. 12 10	14 8	15 2	Old. 13 14 New. 15 12	..	.	..
36	Purneah ...	12 0	12 0	16 0	12 0	...		11 0	11 0	15 0	13 0	13 0	17 0	.	.	...
37	Maldah ...	13 0	12 8	18 0	...			10 0	10 8	11 0	12 8	15 0	16 0	...		..
38	Sonthal Perghs.*	...	...	...	.			...	...	..	...	..	...	...	.	..
	ORISSA.															
39	Cuttack* ...	...	...	...	...	..	...	...	...	...	...	...	...	...	.	...
40	Pooree* .	...	...	...	..	...	.	...	...	...	...	...	...	.	.	...
41	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	13 0	12 0	19 0	21 0	22 0			...
	CHOTA NAGPORE.															
	South-West Frontier Agency.															
42	Hazaribagh .	13 8	14 0	14 0	16 0	17 0	17 0	8 0	8 0	10 0	14 8	14 12	16 0	...	...	...
43	Lohardugga ...	Red. 12 0 White. 7 4	Red. 11 8 White. 7 4	Red. 14 0 White. 8 0	17 0	18 0	..	12 8	12 8	13 8	Ordinary. 15 0 Coarse. 19 8	Ordinary. 14 12 Coarse. 20 0	Ordinary. 16 0 Coarse. 2 0	..	..	..
44	Singhbhoom ...	16 0	16 0	12 0	14 0	14 0	17 0	12 0	12 0	14 0	20 0	16 0	15 0	...	.	..
45	Manbhoom ...	11 12	11 12	13 5	...	...	...	13 8	13 0	14 0	20 0	21 0	20 8	...	...	...

* Return not received.

O At Cox's Bazar retail price of salt 8 seers per rupee.
P At Brahmunberiah retail price of salt 10 seers per rupee.
Q At Hajipore retail price of salt 10½ seers per rupee.
R In subdivisions retail prices of salt per rupee are:—Sewan 11 seers and Gopalgunge 9¾ seers.
S At Bettiah retail price of salt 10½ seers per rupee.

CALCUTTA,
The 3rd November, 1891.

Station Bazars of the Districts of Bengal on the 31st October, 1891—(concluded).

INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR. CADJAN PEA. (*Cajanus Indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	*Eastern Districts*—concluded.
...	...	...	...	...	...	110 0	110 0	110 0	O 10 0	10 0	10 0	3 8 0	3 8 0	3 14 0	Chittagong.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakhelly.
...	...	...	6 4	6 4	10 0	...	...	...	P 10 0	10 0	10 0	3 14 0	3 14 0	4 0 0	Tipperah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.
															BEHAR.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patna.
...	...	...	15 4	17 0	16 8	140 0	160 0	160 0	10 0	10 0	10 0	3 14 0	3 14 0	4 2 0	Gya.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Shahabad.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Durbhunga.
20 0	25 0	18 0	15 0	15 0	20 0	160 0	160 0	160 0	Q 11 0	11 0	10 0	3 10 6	3 10 6	3 4 0	Mozufferpore.
23 0	25 0	17 8	17 0	17 0	17 12	180 0	180 0	180 0	R 10 8	10 8	10 4	3 12 0	3 12 0	3 13 0	Sarun.
22 0	28 0	21 0	15 0	14 8	17 8	160 0	160 0	160 0	S 10 8	10 8	10 0	3 12 0	3 14 0	3 11 0	Chumparun.
...	25 4	21 0	16 8	16 4	16 12	140 0	130 0	108 0	T 10 4	11 0	9 15	3 14 0	3 9 0	3 13 0	Monghyr.
22 11	24 0	21 7	16 6	16 6	18 10	151 8	161 0	151 8	10 11	10 11	10 0	3 12 0	3 12 0	3 14 6	Bhagulpore.
20 0	20 0	...	13 0	13 0	15 0	80 0	80 0	130 0	U 10 0	10 0	9 0	3 10 3	3 10 3	4 7 0	Purneah.
...	...	...	...	...	...	120 0	120 0	120 0	9 8	10 0	9 0	3 8 0	3 13 0	4 0 0	Maldah.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Sonthal Perghs.
															ORISSA.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	...	...	...	160 0	160 0	160 0	V 10 8	10 0	10	3 12 0	3 14 0	3 14 0	Balasore.
															CHOTA NAGPORE. *South-West Frontier Agency.*
24 0	24 0	20 0	16 0	16 0	20 0	240 0	240 0	240 0	W 9 0	9 0	8 0	4 0 0	4 0 0	4 3 0	Hazaribagh.
32 0	30 0	34 0	Big. 12 8; Small. 19 0	Big. 12 0; Small. 18 0	Big. ...; Small. 22 0	150 0	50 0	120 0	9 12	9 12	9 0	4 1 0	4 1 0	4 2 0	Lohardugga.
20 0	16 0	20 0	16 0	19 0	21 0	240 0	240 0	240 0	9 0	9 0	9 0	4 6 0	4 6 0	4 6	Singbhoom.
...	...	...	16 0	17 0	18 0	200 0	200 0	200 0	Y 9 13½	9 13½	9 14	3 12 0	3 11 0	3 12 0	Manbhoom.

T In subdivisions retail prices of salt per rupee are: - Beguserai 9½ seers and Jamui 10 seers.
U In subdivisions retail prices of salt per rupee are: —Kissengunge 8 seers and Arrareah (at Basantpur) 10 seers.
V At Bhuddruck retail price of salt 9 seers per rupee.
W At Giridhi (Whitty Bazar) retail price of salt 10¼ seers per rupee.
Y At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Feed-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 4 8	3 5 9	2 11 10	1 13 1	1 13 1	1 15 6	4 5 11	4 5 11	4 5 2	2 14 9	2 15 7	2 12 11
2	Serajgunge ...	3 4 0	3 4 0	2 4 0	...	...	...	5 0 0	5 0 0	4 13 0	3 4 0	3 0 0	3 4 0
3	Dacca* ...	...	...	...	...	...	...	...	...	...	...	...	...
4	Naraingunge*	...	...	...	...	...	...	...	...	...	...	...	...
5	Chittagong ...	4 0 0	4 0 0	3 8 0	...	...	...	3 4 0	3 4 0	3 4 0	2 8 0	2 8 0	2 8 0
6	Patna* ...	...	...	...	...	...	...	...	...	...	...	...	...
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	2 1 0	1 14 0	1 13 0
8	Pooree* ...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack* ...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

CALCUTTA,
The 3rd November, 1891.

in the undermentioned Marts of Bengal on the 31st October, **1891.**

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 4 0	2 4 10	2 0 7	1 14 11	1 14 1	15 10 0	2 6 0	2 6 1	2 5 6	0 5 10	0 6 0	0 5 9	3 5 2	3 5 0	3 10 5	Calcutta.
2 10 0	3 2 0	2 8 0	...	...	...	...	...	...	0 8 0	0 6 6	...	3 13 0	3 10 0	3 14 0	Serajgunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dacca.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Naraingunge.
3 6 0	3 6 0	2 14 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 14 0	Chittagong.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patna.
2 12 0	2 12 0	2 12 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 12 0	3 14 0	3 14 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.

Published for general information.

C. E. BUCKLAND,

Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometer height, 8 A.M.	Mean reduced to sea-level and lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
ORISSA.	Pooree	Pooree	[illegible]·973	29·922	—	N	134	89·7	26, 28 Oct.	72·6	31st Oct.	88·8	74·8	81·8	—	79·0
		Gopalpore	[illegible]·987	29·948	+·074	NNW	199	89·2	28th „	68·9	25th „	87·6	70·0	78·8	−1·4	77·8
		False Point	[illegible]·982	29·945	+·047	NW	120	89·0	28th „	68·0	26, 28 „	87·6	69·0	78·3	−0·4	77·7
	Cuttack	Cuttack	[illegible]·930	29·9[illegible]4	+·058	Nly	33	92·4	30th „	69·8	25, 26 „	90·3	71·0	80·7	+0·6	77·0
	Balasore	Balasore	[illegible]·910	29·944	+·03[illegible]	Variable	73	90·4	27—29 „	65·8	25th „	89·3	68·6	78·9	+1·9	74·4
SOUTH-WEST BENGAL.	South-West Midnapore / South 24-Pergunnahs	Saugor Island	[illegible]	29·944	+·047	WNW & NNW	189	86·7	28, 29 „	70·0	25, 26 „	86·0	73·6	79·8	+1·1	79·3
	Midnapore	Midnapore	[illegible]·845	29·9[illegible]2	+·028	Variable	222	92·3	27—29 „	67·2	27th „	89·9	68·8	79·4	+2·0	75·3
	24-Pergunnahs / Howrah / Hooghly	Calcutta	[illegible]·981	29·9[illegible]8	+·041	NWly	73	88·1	23th „	68·2	25th „	86·6	69·6	78·1	+0·2	76·2
	Burdwan	Burdwan	29·936	29·954	+·038	N	37	92·1	27th „	67·4	25th „	89·9	68·0	79·0	+0·1	76·4
	Bankoora	Bankoora	[illegible]·668	29·924	+·041	NWly	51	91·6	27th „	67·2	27th „	89·5	68·6	79·1	+0·6	74·4
	Beerbhoom / West Burdwan	Raneegunge	[illegible]·66[illegible]	29·967	+·037	WNW	65*	?	...	63·5	30th „	?	67·5*	?	?	72·5
	Moorshedabad	Berhampore	[illegible]·932	29·943	+·027	NW	42	89·6	27—29 „	68·2	28th „	88·0	69·7	78·9	+0·4	74·1
	Nuddea	Krishnaghur	29·947	29·943	+·131	Variable	69	91·8	27th „	64·7	28th „	90·2	67·7	79·0	+0·8	76·6
	Jessore / Khoolna	Jessore	29·958	29·93	+·131	Calm	40	90·2	28th „	67·5	28, 31 „	88·7	69·9	79·3	+0·2	76·9
EAST BENGAL.	Chittagong	Chittagong	29·9[illegible]2	29·938	+·036	Calm	23	87·7	29th „	65·6	30th „	86·9	66·6	76·8	−1·3	74·5
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Burrisal	29·881	29·937	+·023	Calm	39	87·8	29th Oct.	66·0	31st Oct.	87·1	68·8	78·0	+0·4	78·6
	Noakhally	Noakhally	29·849	29·93[illegible]	+·066	Variable	58	87·5	28, 29 „	62·5	31st „	87·0	65·9	76·5	−0·9	76·4
	Furreedpore	Furreedpore	29·960	29·953	+·045	Variable	35	86·5	27—29 „	66·9	31st „	8[illegible]·2	[illegible]	77·4	−0·2	78·5
	Dacca	Dacca	29·9[illegible]4	29·941	+·045	SEly	69	89·1	29th „	6[illegible]·2	31st „	88·0	69·6	78·8	−0·7	76·7
	Commillah	Commillah	29·968	29·951	+·050	Calm & N	12	86·4	25—31 „	63·4	31st „	86·4	66·7	76·0	−2·2	75·3
	Mymensingh	Mymensingh	29·915	29·955	+·039	ENE	48	87·3	27th „	65·6	30, 31 „	85·9	68·6	77·3	−0·7	73·9
NORTH BENGAL.	Bogra	Bogra	29·9[illegible]0	29·9[illegible]4	+·041	E	28	88·3	25, 27, 29 „	64·2	31st „	87·7	6[illegible]·3	77·5	+0·1	75·3
	Pubna	Serajgunge	29·919	29·945	+·04[illegible]	SEly	17	87·1	27—30 „	63·8	31st „	86·7	67·3	77·0	+0·4	78·4
	Rajshahye	Rampore Beauleah	29·920	29·941	+·035	NEly	24	88·4	27th „	65·[illegible]	31st „	87·2	68·8	78·[illegible]	+1·8	75·1
	Maldah	English Bazar (Maldah)*	29·895	29·928	—	Variable	66†	90·5	27th „	63·9	28th „	89·9	66·9	78·4	—	76·1
	Dinagepore	Dinagepore	29·842	29·946	+·011	NE	31	88·6	26th „	60·8	31st „	87·5	64·9	76·2	−0·3	74·3
	Rungpore	Rungpore	29·889	29·909	+·031	N	27	87·8	26th „	63·[illegible]	29, 31 „	8[illegible]·1	66·2	76·[illegible]	+0·7	72·8
	Julpigoree / Cooch Behar	Julpigoree	29·721	29·966	+·027	NE	62	84·9	25th „	61·1	31st „	84·4	63·4	73·9	−1·1	71·0
	Darjeeling Hill Tracts	Darjeeling	23·042*	—	·015*	Calm	119	57·6	28th „	43·[illegible]	29th „	55·4	44·5	50·0	−2·3	49·0
NORTH BEHAR.	Purneah / North Bhagulpore	Purneah	29·887	29·959	+·035	NEly	?	88·2	25, 28, 29 „	58·3	31st „	87·4	62·4	74·9	−1·2	70·7
	Mozufferpore	Mozufferpore ‡	29·794	29·931	—	Ely	43	87·3	25, 28 „	62·3	29, 30 „	86·5	65·7	76·1	—	71·9
	Durbhunga	Durbhunga	29·847	29·971	+·037	SE	31	87·9	25, 26, 28 „	63·5	31st „	87·0	65·8	76·[illegible]	0	73·4
	Chumparun	Motihari	29·773	29·960	+·045	Variable	72	87·2	25, 26, 28 & 29 „	56·9	31st „	86·5	62·7	74·6	+0·5	71·7
	Sarun	Chupra	29·817	29·976	+·044	NW	48	89·8	25th „	61·6	31st „	88·4	66·3	77·4	+1·0	74·7
SOUTH BEHAR.	Shahabad	Dehree	29·855	29·968	+·027	SW	?	90·8	26th „	60·0	31st „	89·2	64·6	76·9	+1·2	74·8
		Buxar	29·861	29·967	+·025	NWly	08	90·9	25, 26 „	61·[illegible]	30, 31 „	85·5	65·4	77·0	+0·4	75·1
		Arrah	29·866	29·953	+·132	Variable	25*	90·9	28th „	60·3	31st „	89·5	64·8	77·2	+1·3	74·5
	Gya	Gya	29·623	29·962	+·028	S	116	92·4	26th „	65·2	31st „	89·3	66·2	77·8	+1·1	73·0
	Patna	Bankipore	29·818	29·957	+·019	Variable	46	89·9	25th „	65·8	31st „	88·2	67·4	77·8	+0·8	75·6
	South Bhagulpore / Monghyr	Bhagulpore	29·835	29·951	+·011	Calm	1	90·2	25, 26, 28 & 29 „	64·0	28, 30 „	89·1	66·5	77·7	+2·1	75·5
	Sonthal Pergunnahs	Doomka	29·409	29·954	+0·30	Calm	33	90·1	27th „	63·9	31st „	88·5	65·9	77·2	+1·6	76·8
CHUTIA NAGPUR.	Hazaribagh	Hazaribagh	7·976	29·964	+0·5	SSW	148	86·7	26, 28 „	60·8	27, 30 „	84·8	63·3	74·1	+2·0	72·5
	Lohardugga / Manbhoom	Ranchee	2,·848	29·945	+·024	Variable	100	85·0	26, 28, 29 „	59·9	30th „	82·9	62·0	72·5	+0·9	71·6
	Singbhoom	Chyebassa	29·225	29·948	+·046	SW	30	90·4	29th „	63·9	25, 27, 31 „	88·5	65·4	77·1	+0·6	73·8
ASSAM.	Sibsagar	Sibsagar	29·074	29·975	+·002	NE		85·6	27th „	62·8	28, 31 „	82·5	63·9	73·2	−1·6	65·6
	Goalpara	Dhubri	29·897	29·969	+·025	ENE	70*	85·7	29th „	65·9	29, 31 „	83·9	67·5	75·7	−1·2	71·0
	Cachar	Silchar	29·895	29·953	+·043	Calm		88·5	29, 31 „	65·3	20, 31 „	87·7	66·1	76·9	−1·5	72·0

* Mean of 5 days. † Mean of 4 days. ‡ Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last ... The humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 31st of October 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	District Observations. Rainfall. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
75	0·4	Nil	Nil	1·50	1·94	8·22	—6·28	0·28	4·00	—3·72	0·00	1·33	Pooree	Pooree	Orissa.
74	0	Nil											Gopalpore		
84	0·7	Nil											False Point		
73	1·0	Nil	0·12	0·76	0·98	5·41	—4·43	0·12	2·62	—2·50	0·20	1·11	Cuttack	Cuttack	
82	0	Nil	0·05	0·74	0·91	4·90	—3·99	0·05	1·75	—1·70	0·17	0·86	Balasore	Balasore	
79	1·9	Nil	Nil	0·85	0·07	7·37	—7·30	0·05	3·53	—3·48	0·00	0·97	Saugor Island	South-West Midnapore; South 24-Pergunnahs	South-West Bengal.
69	0·6	Nil	0·02	0·36	0·28	3·94	—3·66	0·02	1·46	—1·44	0·00	0·49	Midnapore	Midnapore	
78	1·4	Nil	Nil	0·39	0·10	3·82	—3·72	0·05	1·27	—1·22	0·00	0·59	Calcutta	24-Pergunnahs; Howrah; Hooghly	
66	1·9	0·03	0·01	0·30	0·38	3·73	—3·37	0·01	1·31	—1·30	0·00	0·47	Burdwan	Burdwan	
72	2·4	Nil	0·05	0·23	1·16	3·09	—1·93	0·05	1·08	—1·03	0·25	0·39	Bankoora	Bankoora	
79	1·7	0·28	0·21	0·31	1·55	3·15	—1·60	0·21	0·79	—0·58	0·75	0·23	Raneegunge	Beerbhoom; West Burdwan	
83	2·3	Nil	0·11	0·30	1·71	3·79	—2·08	0·11	0·62	—0·51	0·33	0·26	Berhampore	Moorshedabad	
72	2·0	Nil	Nil	0·27	0·73	3·81	—3·08	0·07	1·20	—1·13	0·00	0·43	Krishnagur	Nuddea	
83	0·6	0·06	0·01	0·45	0·74	4·13	—3·39	0·06	1·60	—1·54	0·00	0·65	Jessore	Jessore; Khoolna	
87	0·4	Nil	Nil	1·25	2·72	6·01	—4·19	1·51	3·14	—1·63	0·00	0·90	Chittagong	Chittagong	East Bengal.
			Nil	1·11	2·02	6·24	—4·22	1·17	2·47	—1·30	0·00	0·90	Demagiri	Chittagong Hill Tracts	
79	0	Nil	Nil	1·11	0·77	5·71	—4·94	0·12	2·40	—2·28	0·00	0·92	Barrisal	Backergunge	
84	0	Nil	Nil	1·44	2·80	6·61	—3·81	1·26	2·63	—1·37	0·00	1·05	Noakhally	Noakhally	
80	0·1	Nil	Nil	0·38	0·96	4·14	—3·18	0·05	1·24	—1·19	0·00	0·50	Furreedpore	Furreedpore	
82	0·9	Nil	Nil	0·59	0·75	4·23	—3·48	0·02	1·59	—1·57	0·00	0·70	Dacca	Dacca	
83	0·3	Nil	Nil	0·55	1·94	4·83	—2·89	1·35	1·63	—0·28	0·00	0·78	Commillah	Commillah	
85	1·3	Nil	Nil	0·19	2·09	4·30	—2·21	0·26	1·44	—1·18	0·00	0·38	Mymensingh	Mymensingh	
82	1·4	Nil	0·21	0·11	2·02	3·96	—1·94	0·25	0·81	—0·56	0·25	0·24	Bogra	Bogra	North Bengal.
87	10·0	0·03	0·02	0·20	2·29	4·22	—1·93	0·02	1·37	—1·35	0·00	0·50	Serajgunge	Pubna	
78	1·3	0·02	Nil	0·16	1·41	3·42	—2·01	Nil	0·74	—0·74	0·00	0·29	Rampore Beauleah	Rajshahye	
80	0	Nil	Nil	0·42	0·99	3·27	—2·28	Nil	0·88	—0·88	0·00	0·18	Maldah	Maldah	
81	0·3	Nil	Nil	0·11	1·14	2·84	—1·70	Nil	0·46	—0·46	0·00	0·05	Dinagepore	Dinagepore	
91	0	Nil	0·02	0·16	4·65	3·81	+0·84	0·02	0·87	—0·85	0·00	0·16	Rungpore	Rungpore	
79	0	Nil	Nil	0·21	1·50	4·24	—2·74	Nil	1·10	—1·10	0·00	0·21	Julpigoree	Julpigoree; Cooch Behar	
85	3·4	0·06	0·60	0·45	2·08	5·05	—3·00	0·60	1·71	—1·11	0·75	0·26	Darjeeling	Darjeeling Hill Tracts	
87	0·6	Nil	Nil	0·40	1·02	3·05	—2·03	Nil	0·93	—0·93	0·00	0·24	Purneah	Purneah; North Bhagulpore	North Behar.
87	0·4	0·01	0·06	0·26	1·09	3·05	—1·96	0·06	0·74	—0·68	0·33	0·26	Mozufferpore	Mozufferpore	
81	0·4	Nil	Nil	0·14	0·93	2·61	—1·68	Nil	0·65	—0·65	0·00	0·18	Durbhunga	Durbhunga	
82	1·7	Nil	Nil	0·21	3·69	2·78	+0·91	Nil	0·27	—0·27	0·00	0·22	Motihari	Chumparun	
77	1·1	0·05	0·02	0·07	1·01	2·82	—1·81	0·05	0·56	—0·51	0·00	0·13	Chupra	Sarun	
68	0	Nil											Dehree	Shahabad	South Behar.
68	1·4	0·18	0·04	0·16	0·83	2·86	—2·03	0·04	0·85	—0·81	0·20	0·20	Buxar		
72	0·3	Nil											Arrah		
74	4·6	0·73	0·20	0·11	1·14	2·57	—1·43	0·20	0·53	—0·33	0·50	0·21	Gya	Gya	
73	1·6	0·21	0·13	0·14	0·96	2·99	—2·03	0·13	0·92	—0·79	0·50	0·20	Bankipore	Patna	
75	1·0	Nil	0·07	0·25	1·55	2·87	—1·32	0·07	0·95	—0·88	0·40	0·19	Bhagulpore	South Bhagulpore; Monghyr	
66	0	0.02	0·03	0·17	2·67	3·28	—0·61	0·03	0·91	—0·88	0·00	0·15	Doomka	Sonthal Pergunnahs	
64	0·9	Nil	Nil	0·18	0·51	2·60	—2·09	Nil	0·58	—0·58	0·00	0·45	Hazaribagh	Hazaribagh	Chutia Nagpur.
72	1·4	0·24	0·00	0·32	0·24	2·65	—2·41	0·06	0·89	—0·83	0·33	0·41	Ranchi	Lohardugga	
			0·24	0·13	0·38	2·90	—2·52	0·24	0·87	—0·63	1·00	0·28		Manbhoom	
74	0·7	0·09	0·06	0·39	1·32	2·67	—1·35	0·06	1·20	—1·14	0·60	0·70	Chyebassa	Singbhoom	
88	7·3	Nil											Sibsagar	Assam	Assam.
87	0·2	0·06											Dhubri		
89	4·7	Nil											Silchar		

...years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...noting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal means
...years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 31st of October 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 25th Oct.	Monday, 26th Oct.	Tuesday, 27th Oct.	Wednesday, 28th Oct.	Thursday, 29th Oct.	Friday, 30th Oct.	Saturday, 31st Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA ...	Pooree ..	Pooree ...								Nil	Nil	1·78	1·00	9·21	Nil	5·17
		Khurdah ...								Nil	Nil	0·06	4·67	0·78	Nil	3·09
		Banpur ...								Nil	Nil	1·44	0·88	6·17	0·21	3·03
		False Point ...								Nil	Nil	1·83	1·19	10·74	1·15	4·72
		Gop ...					0·34					?		?		?
		Satpara ..								Nil	Nil		0·52	?	0·05	?
		Pipli										?		?		?
	Cuttack	Jagatsingpore								Nil	Nil	0·80	Nil	6·18	Nil	2·91
		Banki ..								Nil	Nil	0·58	[illegible]	4·15	Nil	1·82
		Cuttack ...								Nil	Nil	0·77	1·83	5·34	Nil	2·98
		Kendrapara ...						0·60		1	0·60	1·18	0·72	6·38	0·60	3·16
		Jajpore ...								Nil	Nil	0·46	1·12	4·91	Nil	2·18
		Dharmsala .						0·06		Nil	0·06	?	3·20	?	0·06	?
		Salipore								Nil	Nil	?	1·83	?	Nil	?
	Balasore	*Akhoyapada*...								1	Nil	?	2·52	?	Nil	?
		Chandbali ...			0·32			0·20		2	0·52	0·86	0·52	6·32	0·52	3·21
		Bhuddruck ...						0·30		1	0·30	0·68	0·88	4·26	Nil	1·86
		Sorah ...								Nil	Nil	1·05	1·50	4·96	Nil	1·93
		Balasore ..								Nil	Nil	1·02	0·64	6·37	Nil	2·64
		Jellasore ..								Nil	Nil	0·45	1·00	4·31	Nil	0·86
		Baripodah								Nil	Nil	0·40	1·41	3·22	Nil	1·03
SOUTH-WEST BENGAL.	Midnapore	Contai								Nil	Nil	0·84	Nil	8·18	Nil	4·36
		Saugor Island								Nil	Nil	1·50	0·21	9·38	0·15	4·38
		Tumlook .								Nil	Nil	0·61	Nil	4·26	Nil	2·02
		Midnapore .								Nil	Nil	0·34	0·48	4·46	Nil	1·83
		Ghattal .					0·07			Nil	0·07	0·08	0·38	3·10	0·07	0·52
		Kukrahaty								Nil	Nil	?	Nil	?	Nil	?
		Garbetta .								Nil	Nil	?	Nil	?	Nil	?
	24-Pergunnahs	Diamond Harbour ...								Nil	Nil	0·41	Nil	4·54	Nil	1·03
		Canning Town								Nil	Nil	?	0·92	?	Nil	?
		Alipore Jail ..								Nil	Nil	0·45	0·06	4·12	Nil	1·69
		Barrackpore...								Nil	Nil	0·34	0·22	3·26	0·10	1·04
		Dum-Dum .								Nil	Nil	0·36	0·10	3·96	Nil	1·45
		Barasset								Nil	Nil	0·32	0·25	4·12	0·15	[illegible]
		Busserhat .								Nil	Nil	0·55	Nil	4·20	Nil	1·32
	Howrah	Howrah								Nil	Nil	0·41	0·06	3·92	Nil	1·47
		Mohesreka ..								Nil	Nil	0·45	Nil	3·04	Nil	0·76
		Oolooberia ...								Nil	Nil		Nil	?	Nil	
	Hooghly ..	Serampore ..								Nil	Nil	0·38	0·24	3·77	0·24	1·18
		Hooghly ..								Nil	Nil	0·24	Nil	3·00	Nil	1·31
		Jehanabad								Nil	Nil	0·43	0·02	4·23	Nil	1·24
	Burdwan	Culna								Nil	Nil	0·40	Nil	3·70	Nil	1·29
		Burdwan .					0·03			Nil	0·03	0·42	0·48	3·89	0·03	1·41
		Cutwa								Nil	Nil	0·27	0·60	3·62	Nil	1·21
		Raneegunge					0·05	0·23		1	0·28	0·19	1·62	2·98	0·28	0·88
		Mankur .						0·15		1	0·15	?	0·40	?	0·15	?
	Bankoora	Bankoora ..								Nil	Nil	0·21	1·14	3·60	Nil	1·19
		Bishenpore ..								Nil	Nil	0·06	Nil	2·37	Nil	1·04
		Maliara ..						0·18		1	0·18	0·27	0·55	[illegible]	0·18	0·97
		Khatra ...								Nil	Nil	0·36	2·93	3·18	Nil	1·07
		Indas .								Nil	Nil	?	1·00	?	Nil	?
		Kotalpore .								Nil	Nil	?	1·64	?	Nil	?
		Anda .								Nil	Nil	?	0·11	?	Nil	?
		Gungajalghati								Nil	Nil	?	Nil	?	Nil	?
		Raipore ...								Nil	Nil	?	Nil	?	Nil	?
		Sonamukhi .								Nil	Nil	?	Nil	?	Nil	?
	Beerbhoom	Bh. Soory .						0·02		Nil	0·02	0·14	1·02	3·41	0·02	1·13
		Hetampore ..				0·05	0·35			1	0·40	0·15	0·46	2·53	0·40	0·46
		Rampore Haut					0·11	0·03		1	0·14	0·32	2·87	3·02	0·14	0·67
		Bolpore						0·35		1	0·35	?	1·53	?	0·35	?
		Murari ..								Nil	Nil	?	0·91	?	Nil	?
	Nuddea	Ranaghat								Nil	Nil	0·41	0·30	3·52	0·02	1·19
		Kishnaghur .								Nil	Nil	0·24	1·11	3·83	Nil	0·92
		Chooadanga								Nil	Nil	0·25	1·21	4·00	0·31	1·45
		Meherpore .								Nil	Nil	0·19	0·65	3·31	Nil	1·19
		Kooshtea								Nil	Nil	0·24	0·50	4·37	Nil	1·24
	Khoolna	Satkhira								Nil	Nil	0·41	0·31	4·35	Nil	1·52
		Bagirhat								Nil	Nil	0·55	0·54	5·07	0·34	1·68
		Khoolna .								Nil	Nil	0·30	0·10	3·83	Nil	1·62
		Nakipur ..								Nil	Nil	?	0·23	?	Nil	?
		Rampal								Nil	Nil	?	0·70	?	Nil	
	Jessore ..	Narail								Nil	Nil	0·49	0·02	3·71	Nil	1·99
		Jessore						0·06		Nil	0·06	0·65	0·10	4·15	0·06	1·88
		Jhenidah						0·04		Nil	0·04	0·30	1·63	4·41	0·04	1·53
		Magoorah								Nil	Nil	0·28	2·50	3·46	Nil	1·13
		Bongong								Nil	Nil	0·60	0·43	4·15	0·03	1·56
	Moorshedabad	Kandi .								Nil	Nil	0·16	2·05	3·37	Nil	0·69
		Berhampore ...								Nil	Nil	0·26	0·54	3·80	Nil	0·65
		Lalbagh .						0·10		1	0·10	0·16	0·84	4·15	0·10	0·70
		Azimgunge ..					0·06	0·50		1	0·56	0·28	1·94	4·37	0·56	0·65
		Jungipore								Nil	Nil	0·14	2·71	3·05	Nil	0·58
		Lalgola								Nil	Nil	0·20	2·10	3·95	Nil	0·48
		Akerigunj .						0·92		1	0·92	?	1·12	?	0·92	?
		Patkabari						0·70		1	0·70	?	1·15	?	0·70	?
EAST BENGAL	Chittagong	Cox's Bazar ...								Nil	Nil	1·77	3·52	8·18	2·78	4·18
		Chittagong ..								Nil	Nil	0·79	1·92	6·64	0·24	2·07
		Kutubdia ..										?	1·74	?	0·78	?
		Satkunya ..								Nil	Nil	?	2·59	?	0·74	?
	Chittagong Hill Tracts.	Rangamati ...								Nil	Nil	1·11	2·03	6·24	1·17	2·47
		Bundarban ..								Nil	Nil	?	1·97	?	0·88	?
	Backergunge	Patuakhally...								Nil	Nil	1·47	1·48	6·51	0·21	2·78
		Perozepore								Nil	Nil	1·03	0·49	5·92	Nil	2·35
		Burrisal .								Nil	Nil	0·96	0·75	5·27	0·11	2·42
		Bhola ...								Nil	Nil	0·90	0·35	5·13	0·15	2·64

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 31st of October 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 25th Oct.	Monday, 26th Oct.	Tuesday, 27th Oct.	Wednesday, 28th Oct.	Thursday, 29th Oct.	Friday, 30th Oct.	Saturday, 31st Oct.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
EAST BENGAL—concld.		*Gournadi*	...	...	...	...	...	...	...	Nil	Nil	?	0·77	?	0·66	?
		Bauphal	...	...	...	...	...	...	...	Nil	Nil	?	2·00	?	0·81	?
	Noakholly ...	Noakholly	...	...	...	...	...	...	...	Nil	Nil	1·38	3·14	7·15	1·87	2·80
		Fenny	...	...	...	...	...	...	...	Nil	Nil	1·50	2·45	6·06	0·65	2·47
		Hatiahpore ..	...	...	...	...	...	...	...	Nil	Nil	?	4·67	?	0·52	?
		Ramganj	...	...	...	...	...	...	...	Nil	Nil	?	3·99	?	0·11	?
	Furreedpore	Madaripore	...	...	...	...	...	...	...	Nil	Nil	0·53	0·50	4·16	0·13	1·23
		Furreedpore	...	...	...	...	...	...	...	Nil	Nil	0·31	1·82	3·91	Nil	1·15
		Goalundo	...	...	...	...	...	...	...	Nil	Nil	0·29	0·80	4·35	0·03	1·34
	Dacca ..	Munshiganj	...	...	...	...	...	...	...	Nil	Nil	0·82	0·41	5·21	0·08	1·89
		Dacca	...	...	...	...	...	...	...	Nil	Nil	0·49	0·18	3·67	Nil	1·19
		Naraingunge	...	...	...	...	...	...	...	Nil	Nil	0·80	1·46	4·29	Nil	2·07
		Manickgunge	...	...	...	...	...	...	...	Nil	Nil	0·33	0·94	3·71	Nil	1·18
		Joydebpore	...	...	...	...	...	...	...	Nil	Nil	?	5·21	?	Nil	
	Hill Tipperah	Agartola	...	...	...	...	...	...	...	Nil	Nil	0·65	2·30	5·11	2·31	2·31
	Tipperah ..	Comilla	...	...	...	...	...	...	...	Nil	Nil	0·52	2·32	4·41	1·88	1·43
		Chandpore	...	...	...	...	...	...	...	Nil	Nil	0·59	Nil	5·12	Nil	1·25
		Brahmanbaria	...	...	...	...	...	...	...	Nil	Nil	0·42	3·15	4·62	1·40	1·51
		Ramchandrapore ..	...	...	...	...	...	...	...	Nil	Nil	?	2·09	?	0·48	?
		Nasirnagar ..	...	...	...	...	...	...	...	Nil	Nil	?	1·30	?	Nil	?
		Daudkandi	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Kasba	...	...	...	...	...	...	...	Nil	Nil	?	1·91	?	1·37	?
		Laksham	...	...	...	...	...	...	...	Nil	Nil	?	2·55	?	0·85	?
	Mymensingh	Kishoreganj	...	...	...	...	...	...	...	Nil	Nil	0·25	3·49	4·41	Nil	1·17
		Atia (*Tangail*)	...	...	...	...	...	...	...	Nil	Nil	0·24	0·41	4·64	Nil	1·38
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	0·31	3·40	5·28	0·19	1·51
		Jamalpore	...	...	...	...	...	...	...	Nil	Nil	0·14	2·29	4·52	1·10	1·16
		Netrokona	...	...	...	...	...	...	...	Nil	Nil	0·01	3·76	5·50	Nil	1·96
		Subornakhali	...	...	...	...	...	...	...	Nil	Nil	?	1·10	?	Nil	?
		Durgapore ...	...	...	...	...	...	...	...	Nil	Nil	?	4·67	?	Nil	?
		Sherepore Town	...	...	...	...	...	...	...	Nil	Nil	?	1·28	?	Nil	?
		Dewanganj	...	...	...	...	...	...	...	Nil	Nil	?		?		?
NORTH BENGAL.	Pubna ..	Pubna	...	...	...	...	...	...	...	Nil	Nil	0·17	1·03	4·06	Nil	1·36
		Serajgunge	...	...	...	0·03	...	...	...	Nil	0·03	0·23	3·52	4·36	0·03	1·37
	Bogra ..	Sherepore	...	...	...	0·85	...	...	...	1	0·85	0·24	2·65	3·03	0·85	0·94
		Nowkhila	...	...	...	...	...	...	...	Nil	Nil	0·06	1·95	3·68	Nil	0·85
		Bogra	...	...	...	...	...	...	...	Nil	Nil	0·15	1·00	3·56	Nil	1·06
		Panchbibi	...	...	...	...	...	...	...	Nil	Nil	Nil	2·46	3·66	0·15	0·42
	Rajshahye ..	Beauleah	...	...	...	...	...	...	...	Nil	Nil	0·22	2·09	4·13	Nil	0·84
		Nattore	...	...	...	...	...	...	...	Nil	Nil	0·26	1·70	4·11	Nil	0·93
		Naogaon	...	...	...	...	...	...	...	Nil	Nil	0·01	0·45	2·03	Nil	0·45
		Lalpore	...	...	...	...	...	...	...	Nil	Nil	?	1·29	?	Nil	?
		Manda	...	...	...	...	...	...	...	Nil	Nil	?	0·98	?	Nil	?
	Maldah	Maldah	...	...	...	...	...	...	...	Nil	Nil	0·34	1·15	4·08	Nil	1·19
		Chanchal	...	...	...	...	...	...	...	Nil	Nil	0·49	0·82	2·43	Nil	0·55
		Gajol	...	...	...	...	...	...	...	Nil	Nil	?	2·42	?	Nil	?
		Sibganj	...	...	...	...	...	...	...	Nil	Nil	?	2·57	?	Nil	?
	Dinagepore ..	Mohadebpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0·97	2·70	Nil	0·21
		Churaman	...	...	...	...	...	...	...	Nil	Nil	0·01	1·44	1·00	Nil	0·09
		Raigunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0·80	2·57	Nil	0·10
		Dinagepore	...	...	...	...	...	...	...	Nil	Nil	0·54	0·62	4·07	Nil	1·73
		Balurghat	...	...	...	...	...	...	...	Nil	Nil	Nil	1·89	2·50	Nil	0·18
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	?	1·33	?	Nil	?
	Rungpore	Bhowaniganj (*Gyabandha*)	...	...	0·08	...	...	...	...	Nil	0·08	0·30	3·61	4·18	0·08	1·01
		Rungpore	...	...	...	...	...	...	...	Nil	Nil	0·32	10·46	4·16	Nil	1·41
		Kurigram	...	...	...	...	...	...	...	Nil	Nil	0·01	4·33	3·17	Nil	0·21
		Bagdogra (*Nilphamari*)	...	...	...	...	...	...	...	Nil	Nil	Nil	0·19	5·71	Nil	0·46
		Olipore	...	...	0·48	...	...	...	...	1	0·48	?	8·05	?	0·48	?
	Julpigoree	Julpigoree	...	...	...	...	...	...	...	Nil	Nil	0·44	1·48	4·46	Nil	2·06
		Alipore Dooars	...	...	...	...	...	...	...	Nil	Nil	?	2·40	?	Nil	?
		Fallacotta	...	...	...	...	...	...	...	Nil	Nil	?	1·40	?	Nil	?
		Debiganj	...	...	...	...	...	...	...	Nil	Nil	?	2·85	?	Nil	?
		Bhagatpore (Nagrakatta)	0·12	0·65	...	0·26	0·32	...		4	1·35	?	6·64	?	1·35	?
	Cooch Behar	Dinhatta	...	...	...	...	...		...	Nil	Nil	0·07	0·97	4·40	Nil	0·82
		Cooch Behar	...	...	...	...	...	...	...	Nil	Nil	0·45	1·76	4·41	Nil	1·06
		Mekligunge	...	...	...	...	...	...	...	Nil	Nil	0·03	2·47	3·21	Nil	0·80
		Mathabhanga	...	...	...	...	...	...	...	Nil	Nil	0·04	0·80	4·57	Nil	0·72
	Darjeeling Hill	Buxa	...	1·28	...	...	0·57	...	...	2	1·85	0·48	5·17	7·55	1·85	2·92
		Siliguri	...	...	...	...	...	...	...	Nil	Nil	Nil	1·45	3·80	Nil	0·50
		Darjeeling	0·03	...	...	...	0·03	...	...	Nil	0·06	1·31	0·88	6·57	0·06	3·26
		Kalimpong	0·08	0·36	...	...	0·03	...	...	1	0·47	0·01	0·80	2·42	0·47	0·32
		Kurseong ...	...	...	...	...	...	...	...	Nil	Nil	?	1·94	?	Nil	?
NORTH BEHAR	Purneah ..	Kissenganj ...	...	...	...	...	...	...	...	Nil	Nil	0·15	0·11	2·86	Nil	0·10
		Arrareah	...	...	...	...	...	...	...	Nil	Nil	0·34	1·63	2·86	Nil	0·78
		Purneah	...	...	...	...	...	...	...	Nil	Nil	0·40	0·08	3·24	Nil	1·30
		Gondwara ...	...	...	...	...	...	...	...	Nil	Nil	?		?		?
		Balrampore	...	...	...	...	...	...	...	Nil	Nil	?		?		?
		Matiari ..	...	...	...	...	...	...	...	Nil	Nil	?	0·30	?	Nil	?
		Katiganj	...	...	...	...	...	...	...	Nil	Nil	?	0·5[illegible]	?	Nil	?
	North Bhagulpore.	Maddepore	...	...	...	...	...	...	...	Nil	Nil	0·50	0·81	3·42	Nil	0·80
		Soopool	...	...	...	...	...	...	...	Nil	Nil	0·29	1·02	2·60	Nil	0·74
		Pratabganj ..	...	...	...	...	...	...	...	Nil	Nil	?	0·33	?	Nil	?
	Durbhunga ...	Tajpore	...	...	...	...	...	...	...	Nil	Nil	0·16	0·17	2·78	Nil	0·61
		Durbhunga	...	...	...	...	...	...	...	Nil	Nil	0·14	1·02	2·78	Nil	0·62
		Madhubani ..	...	...	...	...	...	...	...	Nil	Nil	0·19	1·59	2·28	Nil	0·66
		Banera ...	...	...	...	...	...	...	...	Nil	Nil	?	0·52	?	Nil	?
		Rosera	...	...	...	...	...	...	...	Nil	Nil	?	0·50	?	Nil	?
	Mozufferpore	Sitamarhi	...	...	...	...	...	...	...	Nil	Nil	0·34	2·44	2·56	Nil	0·46
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	0·36	0·23	3·21	Nil	1·20
		Hajipore	0·17	...	...	...	...	...	...	1	0·17	0·08	0·30	3·41	0·17	0·58
		Paru ...	...	...	...	...	...	...	...	Nil	Nil	?	3·30	?	Nil	?
		Mahua ...	...	...	...	...	...	...	...	Nil	Nil	?	0·13	?	Nil	?
		Segowlie ...	...	...	...	...	...	...	...	Nil	Nil	?	2·16	?	Nil	?
		Pupri ..	...	...	...	...	...	...	...	Nil	Nil	?	0·21	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 31st of October 1891—concld.

Meteorological division	District	Station	Rainfall: Sunday, 25th Oct	Monday, 26th Oct	Tuesday, 27th Oct	Wednesday, 28th Oct	Thursday, 29th Oct	Friday, 30th Oct	Saturday, 31st Oct	Total—Number of rainy days	Rainfall of week	Average normal rainfall of week	Total rainfall since 1st of month	Average total rainfall from 1st of month	Total rainfall since 16th Oct 1891	Average rainfall from 16th Oct. to date
NORTH BEHAR—*concluded*	Chumparun	Motihari								Nil	Nil	0 21	3 98	2 95	Nil	0 31
		Bettiah								Nil	Nil	0 20	3 39	2 54	Nil	0 22
		Bagaha								Nil	Nil	?	0 00	?	Nil	?
		Burhurwa								Nil	Nil	?	2 10	?	Nil	?
	Sarun	Gopalgunge	0 07							Nil	0 07	Nil	1 87	2 41	0 07	0 06
		Sewan								Nil	Nil	0 09	0 79	3 17	0 09	0 23
		Chuprah								Nil	Nil	0 12	0 43	2 82	Nil	0 69
SOUTH BEHAR	Shahabad	Buxar		0 18						1	0 18	0 14	1 38	2 80	0 18	0 94
		Dehree								Nil	Nil	0 01	0 50	2 46	Nil	0 69
		Bhaboorah								Nil	Nil	0 26	0 48	2 67	Nil	0 92
		Sasseram								Nil	Nil	0 21	0 77	3 96	Nil	1 03
		Arrah								Nil	Nil	0 16	1 21	3 01	Nil	0 66
		Mohaniah								Nil	Nil	?	?	?	Nil	?
	Gya	Aurungabad								Nil	Nil	0 07	0 36	2 47	Nil	0 29
		Gya					0 2[illegible]	0 51		2	0 73	0 16	1 81	2 25	0 73	0 70
		Nowadah					0 07			Nil	0 07	0 11	0 40	2 29	0 07	0 62
		Jehanabad								Nil	Nil	0 11	1 99	3 28	Nil	0 50
		Arwal								Nil	Nil	?	2 1[illegible]		Nil	?
		Daudnagar								Nil	Nil	?	0 32		Nil	?
		Sherrghatti						0 26		1	0 26	?	1 69		0 26	?
		Rajauli	..							Nil	Nil	?	0 81	?	Nil	?
		Pakri Barawan							0 03	Nil	0 03	?	1 13	?	0 03	?
	Patna	Patna	0 21							1	0 21	0 11	1 72	3 08	0 21	0 92
		Dinapore	0 10							1	0 10	0 14	0 41	2 98	0 10	0 92
		Behar	0 03				0 03			Nil	0 06	0 15	1 16	2 95	0 06	0 94
		Barrh	0 07					0 06		Nil	0 13	0 17	0 50	2 92	0 13	0 92
		Bickram								Nil	Nil	?	2 17	?	Nil	?
		Hilsa					0 41			1	0 41	?	?	?	0 41	?
	Monghyr	Begoosarai						0 05		Nil	0 05	0 14	1 71	2 84	0 05	1 07
		Monghyr								Nil	Nil	0 27	4 26	3 18	Nil	1 12
		Jamui						0 10		1	0 10	0 18	0 9[illegible]	2 41	0 10	0 70
		Gogri								Nil	Nil	?	2 87	?	Nil	?
		Sheikpura								Nil	Nil	?	0 51	?	Nil	?
	South Bhagulpore	Bhagulpore								Nil	Nil	0 19	0 19	2 84	Nil	0 70
		Banka						0 18		1	0 18	0 25	0 06	3 16	0 18	1 15
		Kolgong								Nil	Nil	?	0 39	?	Nil	?
		Bongaon								Nil	Nil	?	0 15	?	Nil	?
	Sonthal Pergunnahs	Rajmehal								Nil	Nil	0 30	4 5	2 95	Nil	0 88
		Godda						0 08		Nil	0 08	0 20	1 45	2 56	0 08	0 70
		Pakour						0 03		Nil	0 03	Nil	6 93	3 96	0 03	0 82
		Nya Doomka						0 02		Nil	0 02	0 18	0 34	3 5[illegible]	0 02	0 82
		Deoghur						0 06		Nil	0 06	0 25	0 97	3 88	0 06	1 51
		Jamtara								Nil	Nil	0 03	1 81	2 83	Nil	0 79
		Mohagama								Nil	Nil	?		?		?
		[illegible]					1 15			1	1 15	?	1 60	?	1 15	?
CHUTIA NAGPUR	Hazaribagh	Pachamba (*Giridi*)								Nil	Nil	0 10	0 21	2 78	Nil	0 79
		Hazaribagh								Nil	Nil	0 25	0 27	3 05	Nil	0 75
		Somtakurah								Nil	Nil	0 16	0 43	2 41	Nil	0 33
		Mahudi Hills	..							Nil	Nil	0 23		2 11	Nil	0 39
		Jhoomra Hills								Nil	Nil	0 14	0 90	2 60	Nil	0 58
		Barhi	.							Nil	Nil	?	Nil		Nil	
		Chatra								Nil	Nil	?	0 71	?	Nil	.
		Karagdeha								Nil	Nil	?	0 58	?	Nil	?
		Ramghar				0 15				1	0 15	.	0 15	.	0 15	?
	Lohardugga	Lohardugga					0 18			1	0 18	0 08	0 51	2 29	0 18	0 81
		Ranchi								Nil	Nil	0 30	0 13	2 93	Nil	0 97
		Palamow								Nil	Nil	0 20	0 07	2 74	Nil	0 91
		Silli								Nil	Nil	?	0 20	?	Nil	?
		Balumat	..							Nil	Nil	?	0 98	?	Nil	?
		Hossainabad					.			Nil	Nil	?	0 30	.	Nil	?
		Gurwah								Nil	Nil	?	1 66	?	Nil	?
	Singhbhoom	Chyebassa						0 06		Nil	0 06	0 30	1 32	2 67	0 06	1 26
		Chakradharpore								Nil	Nil	?		?		?
		Ghatsilla			..					Nil	Nil	.	2 08	?	Nil	?
		Baharagura								Nil	Nil	?	0 54	?	Nil	?
	Manbhoom	Purulia						0 22		1	0 22	0 16	0 92	2 90	0 22	0 84
		Gobindpore					0 25			1	0 25	0 10	0 51	2 90	0 25	0 89
		Raghunathpore								Nil	Nil	.	0 99	?	Nil	?
		Burrabhoom								Nil	Nil	?	0 68	?	Nil	?
		Jhalda								Nil	Nil	?	0 60	?	Nil	?
		Chas								Nil	Nil	?	0 35	?	Nil	?

Explanation — . indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 3rd November* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING SATURDAY, THE 31ST OF OCTOBER 1891.

THE most noticeable feature in the weather at the close of the previous week was the existence of a barometric depression off the Madras coast. The depression was by no means a severe one, but nevertheless it influenced the weather conditions over a large area, and in Orissa and Lower Bengal at the close of the week the skies had clouded over and a few rain showers were reported, while even at the inland stations in the province the influence of the depression was noticed, though not so clearly as at the southern stations. On the 25th, or the first day of the present week, the depression had crossed the Madras coast and was well inland, so that from this day the weather conditions began to improve in the Bay, and with the disappearance of the disturbance from the Bay also the weather in Bengal became more settled and more of the ordinary cold season type. On the 25th pressure, however, continued to fall slowly to moderately in Bengal, and it was decidedly in defect of the normal. The moist air current which had been forced northwards from the Bay by the depression still gave a rather high humidity generally in Bengal, while the sky also remained cloudy. Light and variable winds also obtained, and light local showers were reported in some of the districts of Behar and North Bengal. On the 26th pressure commenced to increase slowly, but otherwise conditions had not altered to any material extent, except that the sky had begun to clear, though again on this day a few light local showers were reported. On the 27th pressure had risen briskly, though there was a very shallow low-pressure area in the centre of the province, and temperature commenced to fall moderately to rapidly, but winds continued very light. Humidity decreased in Behar, while the sky became almost cloudless. Practically no rain was reported on this day. On the 28th the barometer fell in the west of the province and rose elsewhere, and the distribution of pressure became very uniform. Winds continued a little variable, but they were becoming generally northerly though light in force. On this day also there was practically no rain. On the 29th pressure rose in the west and north of the province and fell elsewhere, and the general pressure was considerably in excess of the normal. The northerly element in the wind directions strengthened. Cloud proportion and humidity also increased, particularly at the western stations, and again local showers commenced in Chutia Nagpur, Behar, and North Bengal. On the 30th pressure fell slowly at the south-eastern stations, while it increased moderately elsewhere, and the distribution of pressure became fairly normal for the cold weather. Temperature also fell rapidly and became almost normal, while humidity and cloud proportion decreased, though there were still local showers reported in Behar and parts of South-West Bengal. On the 31st pressure rose by about 0·07," and the general distribution almost resembled that of the middle of the cold weather. Temperature fell moderately and became generally below the normal, while a steady and fairly strong northerly current was blowing over the whole province. The local rain showers also practically ceased and ordinary north-east monsoon weather obtained on this day.

In the Bay conditions call practically for no remarks up till nearly the close of the week, when a barometric depression apparently began to form in the south of the Bay, but up till Saturday the 31st, it had not concentrated to any extent to form a storm, and probably then only existed as a diffused low-pressure area with squally weather over the southern part of the Bay up to perhaps lat. 10° or 11° N.

Pressure.—The general variations of pressure from day to day have been already described. The mean pressure for the week has been distinctly in excess of the normal in all districts, the usual excess ranging from about 0·03" to 0·06". The excess on the whole is largest in South-East Bengal, where it equals about 0·06", and smallest in Assam and Chutia Nagpur, where it equals about 0·025."

Temperature—At the beginning of the week was above the normal, but at its close it was somewhat in defect. For the whole week the mean temperature of the province has been in excess of the normal by about half a degree, but in Behar the excess has equalled from one to one and-a-half degrees, while, on the other hand, temperature has been 0·8° in defect in East Bengal. In Assam the temperature for the week has been below the normal by 1·4°.

Rainfall.—The rainfall for the week has been quite unimportant as regards the province generally, though a few local showers have fallen in the districts of Cuttack, Burdwan, Beerbhoom, Moorshedabad, Bogra, Darjeeling, Gya, Patna, Sonthal Pergunnahs, and Manbhoom, which undoubtedly will be valuable in certain local areas. The average falls in these districts are, however, generally very small. The general rainfall slightly exceeds half an inch in the Darjeeling district, and equals about a fifth of an inch in the districts of Beerbhoom and West Burdwan, Bogra, Gya, and Manbhoom, while the average fall in Cuttack and Moorshedabad districts is about a tenth of an inch, but in the other districts mentioned the falls only average a few hundredths of an inch.

The present week completes the month of October, and the rainfall for the month has thus again been exceptionally deficient in all divisions Average falls of only between one and two inches have been received in Orissa, East Bengal, North Bengal, and Behar; in South-West Bengal the fall has only averaged about three-quarters of an inch, while in Chutia Nagpur the fall is the very small amount of about a third of an inch only. Compared with the normal falls for the month, the actual falls in October have only

equalled the following percentage amounts:—Orissa 20, South-West Bengal 18, East Bengal 34, North Bengal 53, North Behar 48, South Behar 50, and Chutia Nagpur 22 per cent.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 31st of October 1891:—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 18th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	92·4	65·8	88 7	70·7	79·7	+0·4	0 06	0·95	—0·89	0·13	1·07	—0·94	1·19	5·95	0·14	2·64
South-West Bengal ...	92·3†	63 5	88 6	69·5	79·1	+0 7	0·05	0·36	—0·31	0·13	0·50	—0·37	0·72	2·98	0·08	1·34
East Bengal	89·1	62·5	86·6	68·0	77·3	—0·8	Nil	0·70	—0 70	0·00	0·72	—0·72	1·75	5·16	0·57	1·89
North Bengal	90·5	60·8	87·1	66·4	76·7	+0·2	0·04	0·18	—0·18	0 08	0·21	—0·13	1·97	3·67	0·05	0·85
North Behar	89·8	56·9	87 2	64·8	76 0	+0·2	0·01	0·24	—0 23	0·06	0·20	—0·14	1·37	2·88	0·01	0·68
South Behar	92·4	60·0	88·9	65·8	77·4	+1·2	0·08	0·17	—0·09	0·29	0·19	+0·10	1·45	2·95	0·08	0·84
Chutia Nagpur	86·7*	59·9*	83·9*	62·7*	73·3*	+1·5*	0·07	0·23	—0·16	0·27	0·43	—0·16	0·37	1·67	0·07	0·77
Assam	88·5	62·8	84·7	65·8	75·3	—1·4										

* Chyebassa not included.
† Raneegunge not included.

METEOROLOGICAL OFFICE, BENGAL,
The 3rd November 1891.

C. LITTLE,
for Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 25th to 31st October 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.				Hygrometry.					Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
October ...	25th ...	29·930	79·1	89·2	20·3	68·9	84·6	74·1	·702	68·7	59	Nil
,, ...	26th ...	·953	80·3	90·0	19·4	70·6	86·1	76·5	·785	72·0	63	,,
,, ..	27th ...	·996	81·1	90 0	17·8	72·2	84·6	71·4	·592	63 7	50	,,
,, ...	28th ...	·999	79·4	90·0	21·3	68·7	84·6	72·6	·640	66·0	54	,,
,, ...	29th ...	·985	80·7	89·6	17·8	71·8	84·6	74·4	·714	69 1	60	,,
,, ...	30th ...	·994	78·2	85·9	15·5	70·4	82·2	72·6	·673	67·4	61	,,
,, ...	31st ...	30·090	78·2	87 5	18·6	68·9	82·6	71·6	·628	65·5	57	,,

	Inches.
The mean 10 A.M. pressure of the seven days	29·994
	°
The mean temperature of the seven days	79·6
The extreme variation of temperature	21·3
The maximum temperature	90·0
	%
The mean 10 A.M. relative humidity of the seven days	58
The total fall of rain from 25th to 31st October 1891	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 2nd November 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 25th to 31st October 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Oct.	25th	143·7	10·1	29·855	77·2	86·2	18·2	68·0	72·0	0·717	69·3	78	Wly N, SW and SWly W.	85	Nil	Clear, △.
,,	26th	142·7	10·3	·882	78·4	87·5	17·8	69·7	73·2	·748	70·5	78	SWly W and WSW	90	,,	Clear, △.
,,	27th	144·0	10·3	·931	78·2	88·3	17·3	71·0	72·6	·724	69·6	77	SWly W and WNW	59	,,	Clear, △, ≡
,,	28th	143·5	10·4	·925	77·4	87·6	19·9	67·7	71·8	·708	68·9	77	WNW and W ...	63	,,	Clear, △.
,,	29th	144·3	8·2	·910	78·2	86·6	15·4	71·2	73·0	·745	70·4	78	WNW and WSW	49	,,	Partially cloudy, △.
,,	30th	135·6	7·2	·951	77·6	84·6	14·6	70·0	72·3	·725	69·6	77	N and NNW ...	81	,,	Partially cloudy, △.
,,	31st	139·5	10·1	30·030	77·3	85·2	15·8	69·4	70·1	·641	66·0	68	NNW and NNE...	93	,,	Clear, △.

	Inches.
The mean pressure of the seven days	29·926
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·879
	Hours.
The total number of hours of bright sunshine	66·6
The maximum possible number of hours of sunshine	79·4
	°
The mean temperature of the seven days	77·8
The average temperature of the corresponding period for 24 years, S.-G.'s Office	79·0
The extreme variation of temperature	20·6
The maximum temperature	88·3
	Miles.
The highest velocity of the wind in one hour	10
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	76
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	76
	Inches.
The total fall of rain from 25th to 31st October 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	1·19
The total fall from 1st January to 31st October 1891	46·42
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	64·47

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

△, dew ; ≡, fog.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 2nd November 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 10th October 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of population per annum.			BIRTHS.	MORTALITY ACCORDING TO— Diseases. Deaths from—							MORTALITY ACCORDING TO— Diseases. Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the preceding week.	Sex. Deaths.		Sex. Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*		Male.	Female.	Male.	Female.	
Burdwan	Burdwan ...	18,663	16,017	34,090	3	6	*9*	4·6	9·1	*13·7*	50	1	...	15	7	1	3	*27*	1·5	...	22·9	10·7	1·5	4·6	*41·2*	33·6	16	11	46·1	35·7	139
	Raniganj ...	6,546	4,691	10,937	1	2	*3*	4·8	9·5	*14·3*	50	2	..	6	2	..	...	*10*	9·5	...	28·5	9·5	...	...	*47·5*	14·3	10	...	53·9	...	No female death.
Bankura ...	Bankura ...	8,970	8,925	17,895	5	3	*8*	14·5	8·7	*23·2*	166	...		9	...	...	..	*9*	..	..	26·2	...	...	...	*26·2*	20·3	6	3	34·8	17·5	199
Birbhum ...	Soori ...	3,982	3,866	7,848	1	1	*2*	6·6	6·6	*13·3*	100	...	...	3	..	...	..	*3*	...	...	19·9	...	...	...	*19·9*	33·1	2	1	26·1	13·5	193
Midnapore ...	Midnapore ...	16,927	16,633	33,560	6	4	*10*	9·3	6·2	*15·5*	150	1	...	4	1	1	10	*17*	1·5	...	6·2	1·5	1·5	15·5	*26·3*	49·6	10	7	30·7	21·9	140
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	8	6	*14*	13·1	9·8	*23·0*	133	...	..	19	7	.	9	*35*	.		31·2	11·5	..	14·7	*57·4*	59·1	25	10	82·0	32·9	249
	Serampore .	13,559	12,937	26,496	10	4	*14*	19·6	7·9	*27·5*	250	20	.	9	7	2	7	*45*	39·3		17·7	13·7	3·9	13·7	*88·3*	58·3	22	23	84·4	92·4	91
	Utterpara ..	3,046	2,464	5,510	1		*1*	9·4		*9·4*	No female birth.	...	.	..	..		1	*1*	...	.	..	.	...	9·4	*9·4*	...	...	1	...	21·1	No male death.
Howrah ..	Howrah	53,153	37,660	90,813	28	20	*48*	16·0	11·5	*27·5*	140	12	.	13	10	..	8	*43*	6·9	.	7·4	5·7	...	4·6	*24·6*	29·2	28	15	27·4	20·7	132
	Bali	7,536	6,979	14,515	8	4	*12*	28·1	14·0	*42·1*	200	4		4	2	...	4	*14*	14·0	.	14·0	7·0	..	14·0	*49·1*	38·0	8	6	53·1	44·7	118
24-Pergunnahs	Cossipore-Chitpore	16,080	10,214	26,294	5	6	*11*	9·9	11·9	*21·8*	83	27	...	17	4	...	6	*54*	53·4		33·6	7·9	.	11·9	*106·8*	79·1	29	25	93·8	127·3	73
	Manicktolla ...										Return not received up to date.																				
	Baranagore .	17,920	14,062	29,982	3	4	*7*	5·2	6·9	*12·1*	75	13	.	12	2		4	*31*	22·5	..	20·8	3·5	...	6·9	*53·8*	31·2	21	10	65·5	37·0	185
	South Suburban	26,400	25,258	51,658	6	4	*10*	6·0	4·0	*10·1*	150	6	...	4	2		2	*14*	6·0		4·0	2·0	...	2·0	*14·1*	Data not available.	7	7	13·8	14·4	96
Nuddea ...	Krishnagar ..	13,263	14,214	27,477		.				..		.	.	1	1	...	.	*2*	...		1·9	1·9	...	...	*3·8*	20·8	1	1	3·9	3·7	105
	Ranaghat	4,028	4,625	8,653	2	..	*2*	12·0	.	*12·0*	No female birth.	...		1	.	1	1	*3*	.		6·0	...	6·0	6·0	*18·0*	35·9	..	3	...	33·5	No male death.
	Santipore . ..	13,708	15,979	29,687	4	3	*7*	7·0	5·3	*12·3*	133	..		4	.			*4*	...	..	7·0	...	...	...	*7·0*	12·3	..	4	...	13·0	Ditto.
Jessore ...	Jessore	4,830	3,665	8,495	...	..			...	...	...	.	..	1	...	..	1	*2*	..	...	6·1	...	...	6·1	*12·2*	42·8	1	1	10·8	14·2	76
Murshedabad	Berhampore ..	11,657	11,948	23,605	9	4	*13*	19·8	5·5	*28·6*	225	8	..	4	1	...	8	*16*	6·6	...	8·8	2·2	...	17·6	*35·2*	61·7	8	8	35·7	34·8	102
	City Murshedabad	15,901	20,330	30,231	6	6	*12*	7·9	7·9	*15·9*	100	1	...	7	3	...	1	*12*	1·3	..	9·3	4·0	...	1·3	*15·9*	39·8	7	5	19·3	12·8	150
Khulna ..	Khulna	3,249	3,043	6,293	4	2	*6*	33·1	16·5	*49·6*	200	.		6	...	...	1	*7*	...	...	49·6	...	...	8·3	*57·9*	57·9	2	5	33·0	85·4	37
Dinajpore .	Dinajpore	7,254	5,306	12,560	1	.	*1*	4·1		*4·1*	No female birth.	...	...	4	1	...	3	*8*	...	...	16·6	4·1	...	12·4	*33·1*	41·4	4	4	28·7	29·9	78

Rajshahye ...	Nattore Fraulesh	10,766	9,025	19,791	5	5	*10*	18·1	13·1	*26·8*	100	..	..	13	3	1	1	*18*	...	..	34·2	7·9	2·6	2·6	*47·3*	44·7	9	9	45·5	51·9	83
Rungpore ..	Rungpore	8,011	5,309	13,320	3	6	*9*	11·7	23·4	*35·1*	50	...	...	5	...	.	3	*8*	..	..	19·5	...	...	11·7	*31·2*	19·5	6	2	38·9	19·6	193
Bogra ...	Bogra	3,480	2,699	6,179	.	.	.	...	...	...	...	...	...	..	...	...	..	...	..	..	...	...		...	...	25·2	...	...	...	...	......
Pubna ..	Pubna	7,701	7,566	15,267	4	1	*5*	13·6	3·4	*17·0*	400	1	...	3	...	...	5	*9*	3·4		10·2	.	...	17·0	*30·7*	23·8	4	5	27·0	34·4	78
	Serajganj	11,213	9,824	21,037	1	3	*4*	2·5	7·4	*9·9*	3	5	.	2	...	...	...	*7*	12·4	..	4·9	...	...	...	*17·3*	12·4	4	3	18·5	15·9	116
Darjeeling ...	Darjeeling... ...	4,579	2,439	7,018	5	1	*6*	37·0	7·4	*44·5*	500	...	.	2	1	...	...	*3*	...		14·8	7·4	...	...	*22·2*	66·7	1	2	11·4	42·6	28
Julpaiguri ...	Julpaiguri	4,972	2,975	7,947	2	1	*3*	13·1	6·5	*19·6*	200	...	..	2	...	2	1	*5*	...	...	13·1	..	13·1	6·5	*32·7*	6·5	2	3	20·9	52·4	39
Dacca ..	Dacca	42,782	37,379	80,161	12	13	*25*	7·8	8·4	*16·2*	92	2		10	7	1	11	*31*	1·3		6·5	4·5	·6	7·1	*20·1*	17·5	14	17	17·0	23·6	72
	Narainganj... ..	7,605	4,956	12,561	14	5	*19*	58·0	20·7	*78·7*	280	...		6	1		4	*11*	...	.	24·8	4·1	...	16·6	*45·5*	37·3	6	5	41·0	42·5	96
Faridpore ...	Faridpore	5,663	4,600	10,263	...	4	*4*	.	20·3	*20·3*	No male birth.	...	.	...	...	.	...				..	.	...	...	..	35·5	...		...		.. ...
Backergunj .	Barisal	8,701	4,485	13,186	2	.	*2*	7·9	...	*7·9*	No female birth.	.	...	1	...	...		*1*	...		3·9	...		..	*3·9*	31·5	1	...	6·0	...	No female death.
Mymensing ..	Nasirabad ...	10,413	4,413	14,856	1	1	*2*	3·5	3·5	*7·0*	160		...	1	.	...	...	*1*		.	3·5	..	...	...	*3·5*	17·5	1	..	5·0	..	Do.
Chittagong ..	Chittagong	13,340	8,790	22,130			...	.	...	...	..	.		1	1	...	...	*2*	..		2·3	2·3	.	...	*4·7*	2·3	2	...	7·8	...	Do.
Noakhali ..	Sudharam* ..	3,410	1,714	5,124		...					...			..		...					.		...	.		30·4	...	...	..		.. ...
Tipperah ..	Comillah	8,153	5,353	13,506	5		*5*	19·3	...	*19·3*	No female birth.			2			2	*4*			7·7		..	7·7	*15·4*	30·8	4	...	25·5	...	No female death.
Patna ...	Patna City .	78,762	81,475	160,237	43	23	*66*	14·0	7·5	*21·4*	157	13	..	27	4	3	26	*73*	4·2		8·8	1·3	1·0	8·4	*23·7*	18·2	36	37	23·8	23·6	101
	Behar ...	23,799	25,172	48,971	11	8	*19*	11·7	8·5	*20·2*	137	.	..	7	1	1	5	*14*			7·4	1·1	1·1	5·3	*14·9*	23·4	9	5	19·7	10·3	191
Gya	Gya	38,290	37,831	76,121	21	29	*50*	14·3	19·8	*34·2*	72	10		35		..	37	*82*	6·8		23·9		..	25·3	*56·0*	81·4	40	42	34·3	57·7	94
Shahabad .	Arrah	20,960	22,505	43,465	8	9	*17*	9·6	10·7	*20·3*	89	2	.	4	2	...	4	*12*	2·4		4·8	2·4	...	4·8	*14·4*	7·2	2	10	5·5	23·1	21
	Buxar ..	9,299	8,369	17,668	1	7	*8*	2·9	20·6	*23·5*	14	2		11	2		.	*15*	5·9	.	32·3	5·9	..	.	*44·1*	20·6	4	11	22·4	68·3	32
Mozufferpore .	Mozufferpore ...	23,084	19,658	42,742	14	10	*24*	17·0	12·2	*29·2*	140	.	1	6	1	..	4	*12*	.	1·2	7·2	1·2	.	1·9	*14·6*	23·1	4	8	9·1	21·2	42
Durbhanga ..	Durbhanga	33,774	32,322	66,096	34	25	*59*	23·7	19·7	*46·4*	138	1	1	10	1	.	7	*20*	·8	·8	7·6	·8		5·5	*15·7*	14·9	12	8	18·5	12·9	143
Sarun .	Chupra ..	25,116	26,554	51,670	30	33	*63*	30·2	33·2	*63·4*	90	6	.	9	7	.	24	*46*	6·0		9·1	7·1	...	24·2	*46·3*	49·3	22	23	47·6	45·0	105
Chumparun ..	Motihari . ..	6,328	3,979	10,307	7	5	*12*	35·3	25·2	*60·5*	140	...		10		..	4	*14*	..		50·4			20·2	*70·6*	55·5	5	9	41·1	117·6	34
Monghyr .	Monghyr	28,154	29,366	57,520	19	19	*38*	17·2	17·2	*34·4*	102	10	.	14	9	1	22	*46*	9·0		12·7	8·1	·9	19·8	*41·6*	40·7	29	17	53·6	34·1	178
	Jamalpore.. .	7,456	6,107	13,563	6	12	*18*	23·0	40·0	*69·0*	50	...		4	2		7	*13*			15·3	7·7	...	26·8	*49·8*	57·5	7	6	48·8	51·1	95
Bhagulpore ..	Bhagulpore ...	34,916	33,322	68,238	9	12	*21*	6·8	9·1	*16·0*	75			9	2		9	*20*	..	.	6·8	1·5		6·8	*15·2*	31·5	8	12	11·9	18·7	73
Purneah .	Purneah	8,463	6,553	15,016		3	*3*	..	19·4	*10·4*	No male birth.		.	7	..	.		*7*	.		24·2		..		*24·2*	13·8	4	3	24·6	23·8	163
Maldah ..	English Bazar .	6,289	6,141	12,430	3		*3*	12·6	...	*12·6*	No female birth	6	.	7	2		1	*16*	25·1	.	29·3	8·3	...	4·2	*66·9*	75·3	12	4	99·2	33·9	292
Sonthal Pergunnahs.	Deoghur . ..	4,964	3,041	8,005	3	1	*4*	19·5	6·5	*26·0*	300	2		1			.	*3*	13·0		6·	.		.	*19·5*	78·0	1	2	10·5	34·2	80
Cuttack ..	Cuttack	22,632	20,607	43,239	14	11	*25*	16·8	13·2	*30·1*	127	...		6	.	..	7	*13*	..		7·2	...	...	8·4	*15·6*	18·0	4	9	8·2	22·7	40
Poori ...	Poori ...	13,247	11,537	24,784	5	3	*8*	10·5	6·3	*16·8*	16·	1	.	4	5		7	*17*	2·1		8·4	10·5	...	14·7	*35·7*	29·4	11	6	43·2	27·0	160
Balasore ..	Balasore	10,282	9,983	20,265	4	5	*9*	10·2	12·8	*23·1*	80	.	.	9	6	...	1	*15*	.	..	10·5	15·4	...	2·6	*38·5*	15·4	11	4	55·6	20·8	267
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	8	7	*15*	27·2	23·8	*51·0*	114	...	.	2	1	...	5	*8*	...	.	6·8	3·4	...	17·0	*27·2*	11·0	4	4	27·2	27·1	109
Lohardugga	Ranchi	10,101	8,342	18,443	5	2	*7*	14·1	5·6	*19·7*	250	...	..	1	1		2	*4*	...		2·8	2·8	...	5·6	*11·3*	33·8	4	...	20·6		No female death.
Singhbhum .	Chaibassa	3,126	2,880	6,006	1	..	*1*	8·7	..	*8·7*	No female birth	...	...	1	...	...	...	*1*	...		8·7	...		.	*8·7*	8·7	1	..	16·6	...	Do.
Manbhum ...	Purulia	5,060	4,244	9,304	3	2	*5*	16·8	11·1	*27·9*	150	...	.	2	1	...	4	*7*	...		11·1	5·6	...	22·3	*39·1*	27·9	6	1	61·7	12·3	501
	Total ...	855,490	773,857	1,629,347	414	345	*759*	13·2	11·0	*24·2*	120	151	2	376	110	14	262	*915*	4·8	·1	12·0	3·5	·4	8·4	*29·2*	33·5	498	417	30·3	28·0	108

MORTALITY ACCORDING TO—

Class (columns 13 and 14)

Districts.	Names of Municipalities.	13. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	14. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan ...	Burdwan ...	...	19	8	...	..	..	41·7	40·5	...	...
	Raniganj ...	...	10	...	...	...	...	68·3	...	...	...
Bankura ...	Bankura ...	...	8	1	...	...	...	24·5	60·5	..	...
Birbhum ...	Soori ...	...	3	...	...	...	...	23·7	...	...	..
Midnapore ...	Midnapore ...	...	15	2	...	..	..	31·1	14·4	...	...
Hughli, including Serampore.	Hughli and Chinsurah.	...	31	4	...	...	...	63·8	33·7	.	...
	Serampore ...	..	36	9	...	...	...	74·2	498·9	...	...
	Utterpara ...	...	1	...	...	...	...	9·8	...	...	..
Howrah ...	Howrah ...	...	32	11	..	...	..	24·4	27·9	...	...
	Bali ...	...	14	...	...	...	...	54·3	...	..	...
24-Pergunnahs.	Cossipore-Chitpore	1	46	7	...	...	358·1	130·0	46·2	...	...
	Manicktola ..										
	Baranagore ..	...	27	4	...	...	...	54·5	50·2	...	.
	South Suburban .	...	8	6	...	..	...	13·1	13·0	..	..
Nuddea ...	Krishnagar ...	...	1	1	...	...	..	2·8	6·3	...	...
	Ranaghat	...	2	1	...	...	...	14·2	38·1	...	..
	Santipore ..	...	3	1	...	...	...	7·5	5·8	..	.
Jessore ...	Jessore ...	...	2	...	...	..	...	23·1	...	...	...
Murshedabad.	Berhampore ..	...	6	10	...	...	...	17·3	100·2	..	..
	City Murshedabad	...	7	4	...	1	...	16·0	13·1	...	80·4
Khulna ...	Khulna ...	...	6	1	...	...	..	97·8	17·1	...	...
Dinajpore ...	Dinajpore ...	...	4	4	...	...	...	34·3	32·5	...	...
Rajshahye ...	Rampore-Beauleah	...	5	13	...	..	...	26·2	68·9	...	...
Rungpore ...	Rungpore ...	...	1	7	...	...	...	8·0	54·8	...	..
Bogra ...	Bogra ...	...	...	...	...	...	...	.	...	...	...

Age — 15. Deaths.

Districts.	Names of Municipalities.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	2	5	...	1	1	1	7	1	3	6
	Raniganj ...	1	2	...	1	...	2	2	...	1	1
Bankura ...	Bankura ...	...	2	2	...	1	1	.	...	2	1
Birbhum ...	Soori ...	...	.	1	..	...	1	...	...	...	1
Midnapore ...	Midnapore ...	5	...	2	...	...	3	2	3	1	1
Hughli, including Serampore.	Hughli and Chinsurah.	4	4	...	3	1	7	4	2	1	9
	Serampore ...	6	9	4	4	4	2	6	2	4	4
	Utterpara ...	...	..	...	...	...	1	...	...	...	..
Howrah ...	Howrah ...	4	6	7	1	4	5	6	4	1	3
	Bali ...	4	3	1	1	..	1	..	...	..	4
24-Pergunnahs.	Cossipore-Chitpore	2	5	4	3	.	11	4	5	3	4
	Manicktola ..	Return not received up to date									
	Baranagore ..	7	5	6	.	1	3	5	...	2	2
	South Suburban .	.	2	..	2		2	2	...	3	3
Nuddea ...	Krishnagar ...	..	.	..	.	...	1		..	...	1
	Ranaghat	2	1	.	...	..	...	.	.	...	..
	Santipore ..	...	...	..	1	...	..	1	1	...	1
Jessore ...	Jessore ...	1	...	...	...	...	..	...	..	1	...
Murshedabad.	Berhampore ..	5	1	.	1	...	4	1	....	1	3
	City Murshedabad	3	1	.	..	1	1	2	...	2	2
Khulna ...	Khulna ...	1	...	2	...	..	2	...	2	...	..
Dinajpore ...	Dinajpore ...	...	1	1	...	1	1	2	1	...	1
Rajshahye ...	Rampore-Beauleah	4	1	2	2	1	3	1	1	1	3
Rungpore ...	Rungpore ...	2	1	1	...	1	...	...	1	1	1
Bogra ...	Bogra ...	..	..		..	..	...	.	...	.	

Age — 16. Ratio per 1,000 of population per annum.

Districts.	Names of Municipalities.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan ...	157·6	115·2	..	20·7	16·6	6·6	52·5	11·3	63·5	210·5
	Raniganj ...	221·3	105·7	...	57·1	...	42·9	48·8	...	86·1	124·7
Bankura ...	Bankura ...	..	54·4	46·1	...	33·0	15·8		.	94·0	52·4
Birbhum ...	Soori ...	...	..	62·4	...	...	36·8	...	.	...	108·5
Midnapore ...	Midnapore ...	319·9	...	27·7	...	.	21·2	18·8	41·9	25·2	23·4
Hughli, including Serampore.	Hughli and Chinsurah.	259·0	93·7	...	62·9	20·7	58·6	30·4	24·9	20·0	225·8
	Serampore ...	439·4	259·3	82·7	93·7	95·3	19·3	62·8	30·8	108·6	143·5
	Utterpara ...	...	...	..	..	.	45·2	...	...	..	...
Howrah ...	Howrah ...	10 ·8	75·1	57·9	7·9	25·4	11·5	16·2	17·7	9·5	41·6
	Bali ...	574·6	156·2	48·8	43·3	...	15·5	..		...	291·2
24-Pergunnahs.	Cossipore-Chitpore	217·6	204·8	205·3	61·9	.	76·5	32·5	103·9	16 ·3	1,555·6
	Manicktola ..										
	Baranagore ..	537·7	126·6	125·2	.	22·7	24·4	44·5	...	50·3	68·1
	South Suburban .		21·9	..	21·8	..	10·2	12·0	...	47·1	48·0
Nuddea ...	Krishnagar ...	...	...	...	..	...	10·8	..	...	..	30·1
	Ranaghat	562·4	65·4	...	...	...	...	...	...	...	...
	Santipore ..	...	.	...	17·9	.	...	12·0	14·8	...	38·5
Jessore ...	Jessore ...	268·0	...	...	..	...	...	...	...	92·4	...
Murshedabad.	Berhampore ..	689·7	32·6	...	27·3	...	45·7	11·7	..	27·7	97·6
	City Murshedabad	204·5	21·1	...	...	20·1	7·1	14·3	...	2 ·3	33·6
Khulna ...	Khulna ...	409·4	...	131·6	...	...	96·9	...	159·5	...	...
Dinajpore ...	Dinajpore ...	...	60·2	41·5	...	51·2	19·3	42·0	53·2	...	81·4
Rajshahye ...	Rampore-Beauleah	512·3	33·7	50·0	57·7	31·3	25·0	14·4	21·2	41·9	162·0
Rungpore ...	Rungpore ...	446·4	58·1	41·3	...	48·4	...	..	33·9	70·7	101·0
Bogra ...	Bogra ...	..	...	...	.	..	...		.	...	...

Pubna ...	Pubna ...	...	3	6	...	...	...	21·9	33·5	...		3	2	...	1	...	...	...	1	1	1	382·9	71·3	...	37·7	...	...	...	30·5	51·4	53·3
	Serajganj	...	5	2	.	.	.	30·3	8·5	...	...	1	1	..	...	.	3	...	...	2	...	96·5	21·8	...	.	...	48·4	...	...	83·3	...
Darjeeling ...	Darjeeling	1	2	...	...	...	325·0	22·6	..	..	.	...	...	1	...	...	...	..	...	1	1	..	...	88·9	...	...	...	..	...	218·1	307·7
Julpaiguri ..	Julpaiguri	...	5	...	..	...	...	61·2	...	.	..	...	3	..	...	..	2	...	...	..	...	...	211·7	...	...	...	57·4	...	...	...	...
Dacca ...	Dacca ..	...	22	9	...	...	...	28·4	11·9	...	..	6	1	3	..	3	8	3	2	4	1	164·4	7·1	15·7	..	21·4	27·2	13·4	12·4	43·9	9·3
	Narainganj	...	6	5	...	...	...	40·3	4·2	...	..	3	1	...	.	1	..	5	...	1	..	559·1	45·6	.	...	49·8	...	121·6	...	66·5	...
Faridpore ..	Faridpore	...	.	..	.				...	..				...	...	..	...	...	..	..	.	...	...	...	..	...	...	...	...	...	...
Backerganj ..	Barisal ...	...	1	...	...	..	..	8·6	..	...		.	.	...	...	...	...	..	...	...	1	...	...	...	...	...	...	...	...	.	91·7
Mymensing ...	Nasirabad	..	...	1	..	...	...	...	7·3	...	...	...			...	...	...	...	...	1	. .	...	...	. .	...	...	...	...	...	56·4	...
Chittagong ...	Chittagong	...	...	2	.	...	...	...	6·5	...	...	...	1	...	...			...	1	...	...	...	26·4	...	...	...	...	..	23·0	...	...
Noakhali ...	Sudharam	..	..	...	.	...	...	...	...	...	-	...	...	...	...	.	...	...	.	.	..	...	...	...	...	...	...	...	...	...	...
Tipperah ...	Comillah ...	...	1	3	...	.	..	8·7	21·1	...	...	.	...	1	...	...	...		1	...	2	...	...	31·0	...	...	...	...	39·6	...	153·4
Patna ...	Patna City	...	60	13	...		...	26·2	16·5	...	.	12	13	7	4	3	3	7	5	4	15	141·8	46·3	21·6	14·4	14·0	5·4	15·7	13·8	14·7	56·5
	Behar ...	...	11	3	...	...	...	17·0	10·2	...	..	...	9	...	...	1	...	...	.	...	4	...	50·8	...	...	17·4	...	...	...	...	57·8
Gya	Gya ...	..	68	14	...	...	...	58·0	45·3	...	...	16	10	4	5	..	8	5	13	7	14	484·5	61·8	29·7	38·6	...	28·3	20·4	60·2	55·4	141·4
Shahabad ...	Arrah ...	...	9	3	...	. .	. .	15·1	12·6	.	. .	1	3	...	...	1	1	2	3	...	1	40·4	37·2	...	..	16·5	6·6	16·2	33·3	...	18·0
	Buxar ...	...	10	5	...	...	...	37·4	72·4	...	...	3	4	2	1	1	..	.	.	2	2	375·0	120·8	50·7	28·3	47·5	..	.	...	94·5	96·1
Mozufferpore ..	Mozufferpore	...	10	2	..	...	. .	17·3	8·3	...	.	1	4	.		2	3	1	...	1	...	54·5	51·5	...	...	34·3	18·2	7·5	...	16·0	...
Durbhanga ..	Durbhanga	...	13	7	...	...	...	14·0	20·7	...		8	4	...	...	. .	3	2	1	1	1	267·2	27·3	...	...	. .	11·7	9·3	7·0	11·9	16·8
Sarun ...	Chupra ...	...	39	7	...	...	. .	51·1	30·6	.	.	9	11	1	3	1	4	1	3	2	11	331·7	110·8	8·7	31·1	15·0	22·5	8·7	25·7	25·2	168·1
Champarun ..	Motihari ...	..	10	4	. .	...	...	60·1	75·1	..	. .	5	6	1	1	...		. .	.	...	1	1997·8	317·7	47·1	30·9	...	...	...	...	...	85·7
Monghyr ...	Monghyr ...	...	42	4	...		...	48·8	16·5	...	.	14	11	5		1	4	2	...	...	9	497·2	91·9	36·8	. .	13·8	20·1	11·7	...	...	130·5
	Jamalpore	...	11	2	...	...	...	38·2	33·5	.	...	4	3	.	1	...	...	2	...	1	2	585·9	102·4	...	44·2	...	...	43·1	...	75·9	155·9
Bhagulpore ...	Bhagulpore	..	20	.		..		21·3	.	...	...	7	4	1	1	.	2	...	1	2	2	233·7	32·1	7·4	7·2	...	8·0	...	6·8	20·5	34·2
Purneah .	Purneah ..	...	3	4	...	. .	.	17·0	36·7	.	...	..	...	...	1	.	2	..	2	1	1	.	...	...	43·5	...	31·7	...	56·1	55·5	61·4
Maldeh ..	English Bazar	...	11	5	. .	...	...	78·7	50·5	...	. .	2	4	2	.	...	...	...	6	1	1	332·5	218·5	69·3	...	...	...	...	212·0	63·5	74·0
Sonthal Pergunnahs.	Deoghur ...	...	3	..	.	...	...	20·2		..	...	1	.	...	...		1	.	..	...	1	400·0	...	...	...	...	27·6	...	...	...	136·1
Cuttack ...	Cuttack ...	...	12	1	.	...	..	18·6	6·7	...	...	2	2	1	.	. .	2	1	2	1	2	101·4	27·8	10·5	...	...	11·9	8·5	22·9	16·9	35·3
Poori ...	Poori ...	...	17	.	. .	...	...	33·0	. .	...	...	4	2	...	...	1	1	2	2	3	2	656·5	57·9	.	...	23·0	9·8	25·7	31·3	63·9	57·6
Balasore ...	Balasore ...	...	14	1	...	...	...	43·2	15·0	..	..	...	2	.	1	1	3	3	2	...	3	...	55·9	..	27·0	30·4	38·2	53·4	46·8	...	[illegible]
Hazaribagh ...	Hazaribagh	..	5	3	...	..	...	13·6	37·9	...	...	6	...	..	..	..	. .	. .	.	..	2	649·7	...	...	...	...	...	...	...	...	121·3
Lohardugga ..	Ranchi ...	1	2	...	...	1	35·0	11·3	...	..	22·0	...	...	1	.	...	...	2	...	..	1	...	...	23·5	...	...	...	23·9	...	...	64·1
Singbhum ...	Chaibassa ...	...	1	...	...	...	...	10·2	...	...	..	.	1	...	..	. .	..	..	. .	...	...	...	13·7	...	...	...	...	...	...	...	...
Manbhum ...	Purulia ...	1	6	...		..	304·5	40·0	.	..	.	2	. .	...	1	1	..	1	1	1	...	387·6	...	...	58·0	62·7	.	30·7	58·9	111·1	...
	TOTAL ..	4	709	230	.	2	15·1	31·4	22·1	..	23·4	163	153	63	40	33	104	54	69	64	142	221·2	55·8	19·3	14·0	13·8	16·5	16·0	15·9	25·9	75·3

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 3rd November 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra, for the month of August 1891.

River Ganges.

Date.	Mirzapur. Height over zero. (From Allahabad, 80 miles)	Mirzapur. Height over mean sea-level.	Benares. Height over zero. (From Allahabad, 134 miles)	Benares. Height over mean sea-level. (From Mirzapur, 48 miles)	Buxar. Height over zero. (From Benares, 90 miles)	Buxar. Height over mean sea-level.	Dinapur. Height over zero. (From Benares, 177 miles)	Dinapur. Height over mean sea-level. (From Buxar, 87 miles)	Monghyr. Height over zero. (From Benares, 287 miles)	Monghyr. Height over mean sea-level. (From Dinapur, 110 miles)
1st	18.17	224.39	16.50	213.30	14.50	193.05	21.30	155.53	14.83	116.78
2nd	20.42	226.64	18.50	215.30	14.92	184.97	21.33	155.53	15.00	116.85
3rd	21.67	227.89	20.50	217.30	17.25	186.30	21.30	155.53	15.17	117.62
4th	22.25	228.47	20.83	217.63	18.67	187.72	22.50	156.73	15.50	117.85
5th	21.33	227.55	20.00	216.80	18.92	187.97	23.60	157.83	16.17	118.02
6th	19.83	226.05	19.25	216.05	18.33	187.38	23.40	157.63	17.25	119.20
7th	19.33	225.55	19.25	216.05	17.42	186.47	22.95	157.18	17.08	118.03
8th	20.50	226.72	19.50	216.30	17.58	186.63	22.40	156.63	16.50	118.35
9th	24.25	230.47	23.00	219.81	18.84	187.88	22.80	157.03	16.17	118.02
10th	28.00	234.22	27.50	224.30	21.67	190.72	25.30	159.53	17.00	118.55
11th	30.50	236.72	29.50	225.30	24.25	193.30	27.30	161.53	19.50	121.05
12th	31.83	238.05	31.00	227.80	25.92	194.97	28.00	162.23	21.42	123.27
13th	31.25	237.47	30.50	227.30	26.25	195.30	28.60	162.83	22.25	124.10
14th	30.33	236.55	28.83	225.63	25.75	194.80	28.50	163.03	22.58	124.43
15th	30.66	236.88	30.83	227.63	25.75	194.80	28.50	162.53	22.58	124.43
16th	29.49	235.71	30.00	226.80	25.67	194.72	29.20	163.43	22.50	124.35
17th	28.24	234.46	28.00	224.80	24.83	193.88	29.10	163.33	23.17	125.02
18th	27.41	233.63	27.00	223.80	24.08	193.13	28.80	162.63	22.83	124.68
19th	27.24	233.46	27.00	223.80	23.58	192.63	27.90	162.13	22.58	124.43
20th	32.50	238.72	31.50	228.30	25.08	194.13	27.80	162.03	21.83	123.68
21st	33.17	239.39	33.00	229.80	26.58	195.63	28.80	163.03	21.92	123.77
22nd	33.25	239.47	32.75	229.55	26.75	195.80	29.10	163.33	22.50	124.35
23rd	34.08	240.30	34.00	230.80	26.92	195.97	28.90	163.13	22.33	124.18
24th	34.83	241.05	34.00	230.80	27.25	196.30	28.90	163.13	22.33	124.18
25th	36.25	242.47	35.50	232.30	27.75	196.80	29.10	163.33	22.50	124.35
26th	36.00	242.22	35.33	232.13	27.92	196.97	29.60	163.83	22.83	124.68
27th	33.25	239.47	33.50	230.30	27.25	196.30	29.50	163.73	23.00	124.85
28th	30.25	236.47	30.00	226.80	25.00	195.05	28.70	162.93	22.75	124.60
29th	28.50	234.72	28.00	224.80	24.50	193.55	27.70	161.73	21.75	123.60
30th	30.00	236.22	29.00	225.80	24.33	193.38	26.85	161.08	20.92	122.77
31st	31.50	237.72	30.83	227.63	24.92	193.97	27.00	161.23	20.08	121.93

Date.	Sahebgunge. Height over zero. (From Benares, 381 miles)	Sahebgunge. Height over mean sea-level. (From Monghyr, 94 miles)	Rampore Beauleah. Height over zero. (From Benares, 471 miles)	Rampore Beauleah. Height over mean sea-level. (From Sahebgunge, 90 miles)	Goalundo. Height over zero. (From Benares, 591 miles)	Goalundo. Height over mean sea-level. (From Rampore Beauleah, 120 miles)	River Bhagiruthee. Berhampore. Height over zero.	Berhampore. Height over mean sea-level.	River Jellinghee. Sarupgunge. Height over zero.	Sarupgunge. Height over mean sea-level.	River Brahmapootra. Gowhatty. Height over zero.	Gowhatty. Height over mean sea-level.
1st	15.92	83.92	15.42	57.42	17.75	26.69	18.92	52.66	18.04	22.34	22.20	170.96
2nd	15.75	83.75	15.42	57.42	17.58	26.52	19.00	52.74	18.42	22.72	22.00	170.76
3rd	15.75	83.75	15.25	57.25	17.58	26.52	18.83	52.57	18.83	23.13	22.00	170.76
4th	15.58	83.58	15.00	57.00	17.42	26.36	18.71	52.45	18.83	23.13	21.80	170.56
5th	15.67	83.67	14.97	56.97	17.25	26.19	18.50	52.24	18.67	22.97	21.00	169.76
6th	16.58	84.58	15.12	57.12	17.08	26.02	18.54	52.28	18.42	22.72	20.80	169.56
7th	17.17	85.17	15.58	57.58	17.08	26.02	19.00	52.74	18.17	22.47	20.70	169.46
8th	17.50	85.50	16.12	58.12	17.25	26.19	19.33	53.07	18.29	22.59	20.90	169.66
9th	16.75	84.75	16.25	58.25	17.25	26.19	19.58	53.32	18.48	22.78	20.40	169.16
10th	17.75	84.75	16.25	58.25	17.17	26.11	19.62	53.36	18.75	23.05	20.20	168.96
11th	18.00	86.00	16.75	58.75	17.17	26.11	19.92	53.66	18.92	23.22	20.10	168.86
12th	19.58	87.58	18.17	60.17	17.33	26.27	21.12	54.86	19.58	23.88	19.80	168.56
13th	20.58	88.58	19.25	61.25	17.67	26.61	22.58	56.32	20.75	25.05	19.40	168.16
14th	21.25	89.25	20.00	62.00	18.17	27.11	23.50	57.24	22.33	26.63	19.60	168.36
15th	21.75	89.75	20.50	62.50	18.50	27.44	24.33	58.07	23.58	27.88	20.30	169.06
16th	21.75	89.75	20.92	62.92	18.67	27.61	25.00	58.74	24.08	28.38	20.90	169.66
17th	22.00	90.00	21.00	63.00	18.75	27.69	25.33	59.07	24.42	28.72	21.20	169.96
18th	22.33	90.33	21.42	63.42	18.92	27.86	25.75	59.49	24.58	28.88	22.10	170.86
19th	22.17	90.17	21.58	63.58	19.42	28.36	25.93	59.70	24.67	28.97	22.80	171.56
20th	22.00	90.00	21.58	63.58	19.58	28.52	26.08	59.82	24.83	29.13	23.10	171.86
21st	21.83	89.83	21.58	63.58	19.75	28.69	26.17	59.91	25.03	29.38	23.40	172.16
22nd	22.08	90.08	21.58	63.58	20.00	28.91	26.17	59.91	25.00	29.30	23.80	172.56
23rd	22.00	90.00	21.75	63.75	20.17	29.11	26.17	59.91	25.08	29.38	23.90	172.66
24th	21.83	89.83	21.83	63.83	20.33	29.27	26.33	60.07	25.08	29.38	23.80	172.56
25th	21.83	89.83	21.83	63.83	20.42	29.36	26.33	60.07	25.08	29.38	23.20	171.96
26th	22.00	90.00	21.83	63.83	20.42	29.36	26.33	60.07	24.92	29.22	22.90	171.66
27th	22.42	90.42	21.92	63.92	20.42	29.36	26.33	60.07	24.83	29.13	22.40	171.16
28th	22.50	90.50	22.12	64.12	20.25	29.19	26.50	60.24	24.79	29.09	21.80	170.56
29th	22.33	90.33	22.33	64.33	20.00	28.94	26.58	60.32	24.75	29.05	21.20	169.96
30th	21.75	89.75	22.00	64.00	19.75	28.69	26.54	60.28	24.67	28.9	21.00	169.76
31st	21.00	89.00	21.50	63.50	19.50	28.44	26.21	59.95	24.53	28.88	20.80	169.56

CALCUTTA,
The 3rd November 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 24th October 1891, *on* 1,525½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	233,754	2,84,139 2 0	21,05,830 0	5,24,731 5 0	15,045 1 0	8,23,606 8 0	71,502½	88,359¼	159,861¾
Or per mile of railway	......	186 4 1	.....	343 13 7	9 13 9	540 1 5	......	.....	.....
For previous 16 weeks of half-year	3,915,640	39,78,611 13 0	3,53,18,079 10	83,22,013 2 0	2,41,058 10 0	1,25,41,683 9 0	1,114 104½	1,433,782½	2,547,947
Total for 17 weeks ...	4,1[illegible]	42,62,741 15 0	3,74,[illegible]5,779 10	88,46,744 7 0	2,56,103 11 0	1,33,65,590 1 0	1,185,[illegible]	1,522,142	2,707,808½
Comparison.									
Total for corresponding week of previous year	234,[illegible]09	2,75,783 4 11	15,01,471 10	4,21,104 14 0	21,313 15 9	7,18,402 3 8	69,6[illegible]8	67,303	136,941
Per mile of railway corresponding week of previous year ...	......	180 12 6	......	276 0 8	14 1 8	470 14 10	......	......	......
Total to corresponding date of previous year	3,849,242½	39,57,830 0 6	3,11,82,577 20	71,01,954 4 3	2,78,794 10 11	1,13,58,578 15 8	1,083,487	1,275,500	2,358,987

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 24th October 1891, *on* 57½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,844	6,372 1 0	37,826 0	2,843 5 0	31 0 0	9,276 6 0	1,934	586	2,520
Or per mile of railway	207	111 0 10	661 20	49 11 4	0 8 8	161 4 10	......	......	......
For previous 16 weeks of half-year	102,418	1,02,221 6 0	7,35,891 20	48,032 9 0	611 0 0	150,864 15 0	20,104	10,531	30,635
Total for 17 weeks ...	204,262	1,08,573 7 0	7,73,717 20	50,875 14 0	642 0 0	160,091 5 0	22 038	11,117	33,155
Comparison.									
Total for corresponding week of previous year	10,843½	6,213 15 6	29,701 20	2,210 2 0	25 7 9	8,458 9 3	1,761	633	2,394
Per mile of railway corresponding week of previous year ...	190	108 10 2	519 10	38 12 9	0 7 1	147 14 0	......	......	......
Total to corresponding date of previous year	215,894	1,10,789 8 11	5,31,810 10	35,394 4 0	578 15 6	1,55,672 12 5	21,222	9,425	30,647

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 24th October 1891, *on* 22¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	21,010	5,390 8 0	9,175 0	436 11 0	8 0 0	5,835 3 0	873	73	946
Or per mile of railway	......	242 4 4	......	19 10 0	0 5 9	262 4 1	......	......	......
For previous 16 weeks of half-year	271,989	66,681 3 0	93,871 20	3,511 8 0	101 0 0	70,293 11 0	14,082	1,468	15,550
Total for 17 weeks ...	292,999	72,071 11 0	103,046 20	3,948 3 0	109 0 0	76,128 14 0	14,955	1,541	16,496
Comparison.									
Total for corresponding week of previous year	18,925½	4,777 0 8	7,988 10	292 8 0	10 15 6	5,080 8 2	893	53	946
Per mile of railway corresponding week of previous year ...	......	214 11 2	......	13 2 4	0 7 11	228 5 5	......	......	......
Total to corresponding date of previous year	281,208	68,300 11 5	94,075 20	3,326 15 0	98 9 3	71,732 8 8	15,355	793	16,148

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 24th October 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	15,371	13,124 14 0	47,058 0	9,710 4 0	61 0 0	22,896 2 0	6,910¼	2,092¾	9,003
Or per mile of railway	......	81 0 3	......	59 15 1	0 0 0	141 5 4	......	......	......
For previous 16 weeks of half-year	221,944	1,73,059 3 0	5,88,673 30	1,13,543 6 0	932 0 0	2,87,534 9 0	95,276¼	22,143¾	117,419⅞
Total for 17 weeks ...	237,315	1,86,184 1 0	6,35,731 30	1,23,253 10 0	993 0 0	3,10,430 11 0	102,186¾	24,236	126,422⅞
Comparison.									
Total for corresponding week of previous year .. .	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ..	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 17th October 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week .	140,067	66,240 0 0	5,30,838 0	1,43,190 0 0	10,740 0 0	2,20,170 0 0	26,000	36,813	62,813
Or per mile of railway	180	85 0 0	683 0	184 0 0	†1 0 0	270 0 0	......	......	......
For previous 15 weeks of half-year*	2,309,669	10,01,125 0 0	97,06,482 0	22,51,631 0 0	1,82,368 0 0	34,35,124 0 0	390,200	505,150	895,350
Total for 16 weeks ...	2,449,736	10,67,365 0 0	1,02,37,320 0	23,94,821 0 0	1,93,108 0 0	36,55,294 0 0	416,200	541,963	958,163
Comparison.									
Total for corresponding week of previous year	129,313	74,893 0 0	7,08,723 0	1,59,901 0 0	18,420 0 0	2,53,214 0 0	24,795	36,395	61,190
Per mile of railway corresponding period of previous year ..	169	98 0 0	929 0	209 0 0	†3 0 0	310 0 0	......	......	......
Total to corresponding date of previous year	2,296,489	9,36,120 0 0	97,78,980 0	22,91,205 0 0	2,57,600 0 0	34,85,291 0 0	376,514	505,402	881,916

* Audited up to week ending 29th August 1891.
† Excluding steam-boat earnings.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 24th October 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	140,664	85,260 0 0	5,45,353 0	1,45,070 0 0	11,350 0 0	2,41,680 0 0	26,200	35,013	61,213
Or per mile of railway	181	110 0 0	702 0	187 0 0	†1 0 0	298 0 0	......	......	......
For previous 16 weeks of half-year*	2,419,736	10,67,365 0 0	1,02,37,320 0	23,94,821 0 0	1,93,108 0 0	36,55,294 0 0	416,200	541,963	958,163
Total for 17 weeks ...	2,599,400	11,52,625 0 0	1,07,82,673 0	25,39,891 0 0	2,04,458 0 0	38,96,974 0 0	442,400	576,976	1,019,376
Comparison.									
Total for corresponding week of previous year	139,937	63,043 0 0	5,78,565 0	1,48,868 0 0	14,183 0 0	2,26,693 0 0	25,264	36,356	61,620
Per mile of railway corresponding period of previous year ...	183	83 0 0	758 0	195 0 0	†1 0 0	279 0 0	......	......	......
Total to corresponding date of previous year	2,346,426	10,00,063 0 0	1,03,57,545 0	24,40,073 0 0	2,71,849 0 0	37,11,984 0 0	401,778	541,778	943,556

* Audited up to week ending 29th August 1891.
† Excluding steam-boat earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 17th October 1891, *on* 125 *miles open*

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings	Total earnings	Traffic Train miles run		
	Number of passengers	Coaching receipts	Weight carried.	Receipts.			Coaching	Merchandise	Total.
		Rs A P	Mds s	Rs A. P	Rs A P	Rs A P			
Total traffic for the week	24 431	8,[illegible] 0 0	40 116 0	4 810 0 0	140 0 0	13 2[illegible] 0 0	3 [illegible]40	2 03[illegible]	5 776
Or per mile of railway	19[illegible]	[illegible] 0 0	[illegible] 0	3[illegible] 0 0	1 0 0	103 0 0			
For previous 15 weeks of half year*	40[illegible]	1 3[illegible] 0 0	7[illegible] 0	60 [illegible] 0 0	[illegible] 0 0	1 [illegible] 0 0	[illegible]41	2[illegible]	8[illegible]740
Total for 16 weeks	4[illegible]	1 40[illegible] 0 0	8[illegible] 0	65 [illegible] 0 0	4 1[illegible] 0 0	[illegible] 0 0	[illegible]	[illegible] 5[illegible]	8[illegible] 516
Comparison									
Total for corresponding week of previous year	22 521	9 [illegible]4 0 0	53 [illegible]34 0	5 221 0 0	111 0 0	14 0[illegible] 0 0	3 8[illegible]	1 985	5 840
Per mile of railway corresponding week of previous year	180	77 0 0	426 0	41 0 0	1 0 0	11[illegible] 0 0	.		
Total to corresponding date of previous year	394 [illegible]28	1 2[illegible] 0 [illegible]	6 [illegible]737 0	[illegible]1 675 0 0	2 [illegible] 0 0	1 81 418 0 0	56 3[illegible]	[illegible]	8[illegible] 148

* Audited up to week ending 2[illegible]th August 1891

BENGAL CENTRAL RAILWAY

Approximate Return of Traffic for week ended 24th October 1891, *on* 125 *miles open.*

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings	Total earnings	Traffic Train miles run		
	Number of passengers	Receipts	Weight carried	Receipts			Coaching	Merchandise	Total
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	21 [illegible]	[illegible] 0 0	[illegible] 0	3 [illegible] 0 0	16[illegible] 0 0	13 [illegible] 0 0	3[illegible]	2 03	5 776
Or per mile of railway	[illegible]	[illegible] 0 0	[illegible] 0	[illegible] 0 0	1 0 0	10[illegible] 0 0			
For previous 16 weeks of half year*	4[illegible]1	1[illegible] 0 0	[illegible] 0	6[illegible] 0 0	4 1[illegible] 0 0	2 0[illegible] 0 0	5 [illegible]81	31 [illegible]	[illegible]16
Total for 17 weeks	[illegible]	1[illegible] 0 0	[illegible] 0	[illegible] 0 0	4 [illegible] 0 0	[illegible] 0 [illegible]	[illegible]1	[illegible]1	[illegible]
Comparison									
Total for corresponding week of previous year	2 [illegible]12	31[illegible] 0 0	3 7[illegible]1 0	3 2[illegible] 0 0	63 0 0	12 [illegible]4 0 0	3 828	2,117	5 945
Per mile of railway corresponding week of previous year	[illegible]7	[illegible] 0 0	270 0	[illegible]1 0 0		1[illegible]1 0 0			
Total to corresponding date of previous year	42[illegible] 470	1 3[illegible]411 0 0	6[illegible] 438 0	54 [illegible]07 0 0	2 714 0 0	1 [illegible]092 0 0	6[illegible]170	3[illegible] 023	[illegible],0[illegible]

* Audited up to week ending [illegible]th August 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 17th October 1891, *on* 80 *miles open.*

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train miles run.		
	Number of passengers	Coaching receipts	Weight carried.	Receipts.			Coaching	Merchandise	Total.
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	11 [illegible]	3 [illegible]00 0 0	1[illegible] 0	1 [illegible]01 0 0	80 0 0	[illegible] 440 0 0	2 [illegible]00	730	3 200
Or per mile of railway	13	43 0 0	[illegible]05 0	19 0 0	1 0 0	[illegible] 0 0		. .	.
For previous 15 weeks of half year*	249 0[illegible]	8[illegible] 563 0 0	2 1[illegible] [illegible]29 0	1[illegible] 414 0 0	[illegible] 0 0	1 [illegible] 0 0	40 1[illegible]	11 8[illegible]7	[illegible]1 [illegible]
Total for 16 weeks	[illegible]60 4[illegible]	84 [illegible]63 0 0	2 [illegible]24 0	1[illegible] 074 0 0	2 [illegible] 0 0	1 [illegible] 0 0	4[illegible]72	12,[illegible]7	[illegible] 282
Comparison.									
Total for corresponding week of previous year	15 7[illegible]3	6 237 0 0	25,830 0	2 288 0 0	10[illegible] 0 0	8 [illegible]77 0 0	2,404	788	3 192
Per mile of railway corresponding period of previous year	1[illegible]4	73 0 0	301 0	27 0 0	3 0 0	101 0 0		. .	..
Total to corresponding date of previous year	245,2[illegible]	77 340 0 0	2,60 590 0	21,728 0 0	4 [illegible]74 0 0	1,04 142 0 0	37,970	11 754	49 724

* Audited up to week ending 2[illegible]th August 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 24th October 1891, on 83 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	13,696	4,740 0 0	23,317 0	2,330 0 0	100 0 0	7,170 0 0	2,560	730	3,290
Or per mile of railway	155	55 0 0	271 0	27 0 0	1 0 0	83 0 0	......	......	......
For previous 16 weeks of half-year*	260,455	84,263 0 0	2,63,'24 0	19,071 0 0	2,601 0 0	1,06,028 0 0	42,725	12,557	55,282
Total for 17 weeks ...	274,041	89,003 0 0	3,86,871 0	21,404 0 0	2,701 0 0	1,13,198 0 0	45,285	13,287	58,572
Comparison.									
Total for corresponding week of previous year	10,470	3,647 0 0	31,608 0	2,913 0 0	54 0 0	6,614 0 0	2,400	870	3,276
Per mile of railway corresponding week of previous year ...	123	42 0 0	367 0	34 0 0	1 0 0	77 0 0	......	......	......
Total to corresponding date of previous year	255,693	81,187 0 0	2,01,198 0	24,641 0 0	4,928 0 0	1,10,756 0 0	40,376	12,624	53,000

* Audited up to week ending 29th August 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ended 17th October 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,023	1,060 0 0	3,771 0	210 0 0	10 0 0	1,280 0 0	519	431	950
Or per mile of railway	111	39 0 0	138 0	8 0 0	......	47 0 0	......	......	......
For previous 15 weeks of half-year*	46,531	16,753 0 0	1,86,975 0	9,654 0 0	267 0 0	26,074 0 0	8,288	7,926	16,214
Total for 16 weeks ...	49,559	17,813 0 0	1,90,746 0	9,864 0 0	277 0 0	27,954 0 0	8,807	8,357	17,164
Comparison.									
Total for corresponding week of previous year	4,473	1,610 0 0	9,405 0	542 0 0	17 0 0	2,169 0 0	546	599	1,145
Per mile of railway corresponding week of previous year ...	164	59 0 0	345 0	20 0 0	1 0 0	80 0 0	......	......	......
Total to corresponding date of previous year	47,755	16,749 0 0	1,59,861 0	8,563 0 0	274 0 0	25,586 0 0	8,634	9,011	17,645

* Audited up to week ending 29th August 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 24th October 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,124	1,040 0 0	3,616 0	200 0 0	10 0 0	1,250 0 0	519	431	950
Or per mile of railway	115	38 0 0	133 0	7 0 0	1 0 0	46 0 0	......	......	......
For previous 16 weeks of half-year*	49,559	17,813 0 0	1,90,716 0	2,864 0 0	277 0 0	27,954 0 0	8,807	8,357	17,164
Total for 17 weeks ...	52,683	18,853 0 0	1,94,332 0	10,064 0 0	287 0 0	29,204 0 0	9,326	8,788	18,114
Comparison.									
Total for corresponding week of previous year	3,198	1,130 0 0	16,034 0	843 0 0	9 0 0	1,982 0 0	546	598	1,144
Per mile of railway corresponding week of previous year ...	117	41 0 0	580 0	31 0 0	1 0 0	73 0 0	......	......	......
Total to corresponding date of previous year	50,047	17,879 0 0	1,73,918 0	9,406 0 0	283 0 0	27,568 0 0	9,080	9,600	18,689

* Audited up to week ending 29th August 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY.)

Approximate Return of Traffic for the week ending 17th October 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated) including steam-boat.	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 721 miles open	75,140	30,080	2,65,669	31,900	6,320	68,390	13,892	11,870	25,762
Or per mile of railway	104·23	41·72	368·46	44·37	8·76	94·85	.....	.....	.....
For previous 14½ weeks of half-year	1,167,607	4,45,817	41,36,538	4,86,076	1,25,243	(a) 10,57,136	180,701	202,515	(a)383,216
Total for 15½ weeks ...	1,242,747	4,75,897	44,02,198	5,18,066	1,31,563	(a) 11,25,526	194,593	214,385	(a) 408,978
COMPARISON.									
Total for corresponding week of previous year on 691 miles open	73,955	28,956	(b) 2,45,830	31,409	5,808	66,173	13,995	13,631	27,626
Per mile of corresponding week of previous year	107·03	41·90	355·76	45·45	8·41	95·76	......	......	.....
Total to corresponding date of previous year	1,178,586	4,18,043	38,50,181	4,63,093	98,060	9,80,096	182,702	186,676	369,378

(a) Includes audited figures up to 29th August 1891.
(b) Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.						Tirhoot State Railway.					
	Week ending 17th October 1891.			Week ending 18th October 1890.			Week ending 17th October 1891.			Week ending 18th October 1890.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Coaching	12,860	0	0	15,455	0	0	17,220	0	0	13,500	0	0
Goods	13,590	0	0	12,612	0	0	18,400	0	0	18,798	0	0
Other earnings	3,620	0	0	3,355	0	0	2,700	0	0	2,453	0	0
Total ...	30,070	0		31,422	0	0	38,320	0		34,751	0	0

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[REGISTERED No. 29.]

No. 45 of 1891.

SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, NOVEMBER 11, 1891.

OFFICIAL PAPERS.

CONTENTS.

REVISED REGULATIONS FOR THE FOREST SERVICE BRANCH OF COOPER'S HILL COLLEGE.

REVENUE DEPARTMENT.

FOREST.

The 6th November 1891.

THE following is published for general information.

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

Circular No. 24-F.

Extract from the Proceedings of the Government of India, in the Revenue and Agricultural Department (Forests),—dated Simla, the 24th September 1891.

READ—

The following extract (paragraph 1) from a Despatch from Her Majesty's Secretary of State for India, No. 50 (Revenue), dated the 18th June 1891, forwarding, with remarks, the revised "Regulations for the Forest Service Branch of the Royal Indian Engineering College, Cooper's Hill":—

In accordance with the request contained in Your Excellency's telegram of the 12th May, twelve Forest appointments will be offered for competition in 1892. Twenty-five copies of the revised Regulations for that year are enclosed.

REGULATIONS FOR THE FOREST SERVICE BRANCH OF THE ROYAL INDIAN ENGINEERING COLLEGE, COOPER'S HILL.

[*Post Town, Staines, Railway Station, Egham, Telegraph Station, Englefield Green.*]

STAFF OF THE COLLEGE.*

President—General Sir Alexander Taylor, G.C.B., R.E.
Secretary—J. G. Whiffin, Esq., Paymaster-in-Chief, R.N., retired.
Bursar—J. P. Pasco, Esq., R.N., retired.
Chaplain—Rev. C. Crosleigh, D.D.

* The staff of the College is only given in so far as it concerns the Forest Branch.

Engineering Branch.

Assistant Professor of Engineering—A. H. Heath, Esq., Assoc. Mem. Inst. C.E.
Professor of Surveying—Major-General E. H. Courtney, R.E.
Instructor in Geometrical Drawing—T. H. Eagles, Esq., M.A., Assoc. Inst. C.E., F.R.I.B.A.
Lecturer in Accounts—J. C. Hurst, Esq.
Instructor in Freehand Drawing—Russel Dowson, Esq.

Mathematical Branch.

Professor of Mathematics—G. M. Minchin, Esq., M.A.

Natural Science Branch.

Professor of Chemistry—Hebert McLeod, Esq., F.R.S.
Professor of Physics—W. N. Stocker, Esq., M.A., Fellow of Brasenose College, Oxon.
Lecturer in Geology and Mineralogy—[Professor not yet appointed].

Forestry Branch.

Principal Professor of Forestry—W. Schlich, Esq., PH.D., F.L.S., late Inspector-General of Forests to the Government of India.
Assistant Professor of Forestry—W. R. Fisher, Esq., Conservator of Forests, Northern India.
Professor of Botany—H. Marshall Ward, Esq., M.A., F.R.S., F.L.S., Fellow of Christ's College, Cambridge.
Lecturer on Entomology—W. F. H. Blandford, Esq., M.A., Fellow of Christ's College, Cambridge.
Lecturer on Chemistry of Soils and Vegetation—A. H. Church, Esq., M.A., F.R.S.
Instructor in German—T. H. Dittel, Esq.
Lecturer on Forest Law—B. H. Baden Powell, Esq., C.I.E., late of the Indian Civil Service.
Director of Practical Study in Forestry on the Continent—Sir Dietrich Brandis, K.C.I.E., PH.D., F.R.S., late Inspector-General of Forests to the Government of India.*

[*The arrangements hereinafter described are subject to revision under the orders of the Secretary of State for India.*]

1. The Royal Indian Engineering College is primarily maintained, under the orders of the Secretary of State for India in Council, for the education of candidates for the service of Government in the India Public Works, Telegraph, and Forest Departments; but it is open to the extent of the accommodation available to all persons desirous of following the course of study pursued in it.

India Forest Department Appointments.

2. The Examination usually takes place in June of each year.

3. The number of candidates to be selected annually varies according to the requirements of the Forest Service in India: the figures as regards each particular year will be advertised from time to time. *In 1892 there will be 12 appointments offered for competition*

4. Candidates for the Indian Forest Department are selected under the following arrangements:—

(*a*) An applicant must be a natural-born British subject, and must be above 17 and under 20 years of age on the 1st June of the year in which he competes for an appointment. He must be unmarried, and if he marries before reaching India he will forfeit his appointment.

(*b*) An applicant must send† to the Revenue Department of the India Office, on or before the 1st day of May of the year in which he proposes to compete—

(1) His name and parentage, a certificate or other satisfactory evidence of the date of his birth, and the written consent of parent or guardian that his name should be recorded as a candidate.

(2) A statement of the places of education at which he may have been accompanied by testimonials of good conduct, during the last four years.

* Sir D. Brandis is not on the staff of the College.
† There is no form of application; the document specified in Clauses (1) and (2) should be enclosed in a covering letter addressed to the Secretary, Revenue Department, India Office, London.

(*c*) Applicants will have to appear before a Medical Board* at the India Office, particular stress being laid upon good vision and hearing. A physical test will also be imposed, so as to ensure the selection of persons of active habits and powers of endurance.

(*d*) The applicants who have successfully passed the medical examination and the physical test will be required to undergo an examination before the Civil Service Commissioners† in the following subjects (Classes I to III), marks being assigned as follows :—

No.	Subject	Marks.	
	CLASS I.—OBLIGATORY SUBJECTS.‡		
1.	Mathematics (lower), viz., Algebra up to and including the Binomial Theorem; the theory and the use of logarithms; Euclid, Books I to IV and VI; Plane Trigonometry up to and including the solution of Triangles and Mensuration.	2,500	In each of these subjects a candidate must obtain not less than one-third of full marks in order to qualify.
2.	English composition	1,000	
3.	German (400 for colloquial) ...	2,000	
	CLASS II.—OPTIONAL SUBJECTS.‡		
4.	Mathematics (higher), including Analytical Geometry, Conic Sections, Statics, and Dynamics	2,000	A candidate may take any two, but not more than two, of the optional subjects. Under "Optional Subjects" Nos. 9, 10, 11 and 12, the examination will be partly practical.
5.	French (400 for colloquial)	2,000	
6.	Latin	2,000	
7.	Greek	2,000	
8.	English History. There will be set: one general paper; one paper limited to a fixed period, which will be from the year 1688 to the year 1727 for the examination of 1892	2,000	
9.	Botany, viz., the elementary parts of vegetable morphology histology, and physiology, and the principles of a natural system of classification as illustrated by the more important British natural orders. Candidates will be required to describe plants in technical language. Questions will not be set on vegetable palæontology or on the geographical distribution of plants	2,000	
10.	Chemistry, viz., the elements of Inorganic Chemistry	2,000	
11.	Physics. Elementary properties of Electricity, Magnetism, Heat, Light, and Sound	2,000	
12.	Physical Geography and Geology, chiefly economic; including the recognition of the more familiar minerals and rocks, and their properties and uses ...	2,000	
	CLASS III.—ADDITIONAL SUBJECTS.		
13.	Freehand Drawing	500	Either or both of these subjects may be taken in addition to the obligatory and the two optional subjects.
14.	Geometrical Drawing	300	

(*e*) From the competitors who attain the above-mentioned minima of marks in obligatory subjects and satisfy the requisite conditions in other respects, the Secretary of State will select candidates in order of merit as probationers to enter the College, where they will be futher trained for the Forest Service of India.

(*f*) If the full number of competent probationers required in any year cannot be obtained from the persons so examined, the Secretary of State reserves a discretion to fill up the deficiency by selecting any other person or persons who may satisfy the authorities of the College that he or they are properly qualified to become probationers for the Forest Service.

* With a view to prevent parents and guardians from incurring the inconvenience and expense of preparing candidates who may be physically unfit for the Forest Service, it is suggested that, before any such preparation is begun, candidates be submitted to examination by the medical adviser of the family, or any other qualified medical practitioner, with regard to the following points :—

1. A weak constitution.
2. Defective vision.
3. Impaired hearing.
4. The existence of any congenital defect.

It is to be understood that this private examination is merely suggested to lessen the chances of disappointment, and that it is by no means intended to take the place of, or to influence in any way, the official examination.

On the subject of the standard of eyesight required for the Indian services, a pamphlet has been published, under the authority of the Secretary of State in Council, by Messrs. Churchill and Sons, 11, New Burlington Street.

† A fee of £4 is required, which can be paid by means of a stamp of that amount. Instructions on this point will be issued to candidates the day before the examination.

‡ Attention is invited to the appended Syllabus, giving further details regarding the extent and character of the examination.

5. The course of study for candidates for the India Forest Service extends over about three years, divided into nine terms. During the first eight terms the candidates will prosecute their studies at the College, and during the remaining term they will be instructed, under suitable supervision, in such British or Continental forests as may be selected for the purpose. Excursions will also be made for purposes of instruction, both during term time and during part of the vacations. The cost of all such tours or excursions is borne by the Secretary of State (see paragraph 9).

6 Each annual session begins in September, and is divided into three terms, with vacations of about four weeks at Christmas, two weeks at Easter, and eight weeks in the summer.

7. A charge of £61 for each of the first eight terms and £60 for the ninth term is made for each student; the amount must be paid terminally in advance to the Bank of England. Receivable orders, with full directions as to the mode of payment, will be forwarded from the India Office to the parents or guardians, shortly before the fees fall due. A student will not be allowed to come into residence until his fee has been paid.

8. A deposit of £5 is required to be paid by each student on admission to the College, as caution money, to cover charges incurred by him for damage to books, instruments, &c., or any College bills outstanding on leaving the College. Any balance over and above such charges will be repaid. This deposit is to be paid with the fee for the first term, making the total payment on that occasion £66.

9. The foregoing payments cover all charges for tuition, board according to the College tariff, lodging with washing, and ordinary medical attendance while in residence at the College. When students are on tour and during the course of practical instruction, whether in Great Britain or on the Continent, the Secretary of State will defray the expenses of (1) board, lodging, and washing (the maximum expenditure on such account being 10*s*. per diem), (2) travelling expenses, and (3) fees to local Forest officers, &c.

Students are required to provide their own class books and drawing instruments. Drawing paper, drawing boards, and surveying instruments are provided by the College.

10. The prescribed course of study at present comprises the following subjects:—

I.—*Engineering.*

1. Geometrical Drawing.
2. Freehand Drawing.
3. Surveying.
4. Road construction.

II.—*Natural Science.*

1. Inorganic Chemistry.
2. Chemistry of Soils and Vegetation.
3. Physics.
4. Geology and Mineralogy.
5. Entomology.
6. Botany.

III.—*Forestry*, Theoretical and practical.

IV.—*Miscellaneous.*

1. German.
3. Elements of Law.
3 Accounts.
4. Drill and Gymnastics.

11. Every student is required to conform to the College rules, to exhibit due diligence in his studies throughout the course, and to give evidence of satisfactory progress in such manner as may be required, failing which, or in the event of serious misconduct, he will be liable to be removed from the College, or to be sent back from the forest tour, which may entail the loss of his appointment.

12. During the course of study, the proficiency of the students will be tested by periodical examinations, and on the termination of their studies there will be a final examination. Each student may also, at the discretion of the Secretary of State for India, be required to appear before the Medical Board at the expiration of the first year of residence at the College, and should the result be unsatisfactory he cannot claim to be allowed to complete the course.

13. The subjects enumerated in paragraph 10 are grouped in certain main branches of study,* and a fixed minimum of qualification is required in each branch and in the subjects taught during the forest tours, as well as a certain minimum for all branches taken together. Students who obtain these minima will receive the College diploma in Forestry.

14 Candidates who have obtained this diploma and are found to be of sound constitution and free from physical defects which would render them unsuitable for employment in the Forest Department (the final decision on which points will rest with the Secretary of State for India) will be appointed Assistant Conservators in the Forest Department of India in the order of their standing at the end of the final examination. They will be allowed before leaving the College to choose the provinces in which they desire to be first employed,

* For details see Royal Indian Engineering College Calendar.

according to the standing in which they pass out of the College. But this choice can only be exercised according to the available vacancies in the different provinces, and on the understanding that officers are at all times liable to be transferred from one province to another at the pleasure of the Government of India.

15. Within a month of his nomination as Assistant Conservator, each nominee must sign articles of agreement describing the terms and conditions of his appointment; he must embark for India when required to do so by the Secretary of State, and will be provided with a free passage. Failure to embark at the stated time will, in the absence of satisfactory explanation, lead to forfeiture of appointment.

16. The pay of an Assistant Conservator of Forests will begin from the date of arrival in India. Probationers who acquit themselves creditably during their course at Cooper's Hill College will begin on a salary of Rs. 350 a month; those who fall short of the required standard, though they may have obtained the College diploma in Forestry, will begin on Rs. 250 a month; and this difference of salary will continue until the first Departmental Examination is passed in India. It will rest with the President of the College, in consultation with the Principal Professor of Forestry, to decide which probationers, if any, have failed to qualify for the higher initial salary.

17. Promotion, leave, and pension will be regulated by the rules of the Service for the time being. Further information on this point can be obtained from the Revenue Secretary, India Office, London.

18. Every candidate, before proceeding to India, will be required to furnish to the President of the College satisfactory evidence of his competency in riding.

GENERAL RULES.

19. Chemical, physical, and botanical laboratories, a forestry museum, a forest nursery, a library and gymnasium are attached to the College. Means are also provided for the practice of photography. Students making use of the laboratories are supplied with the needful apparatus.

20. The responsibility for the discipline and management of the College and for the superintendence of the studies is vested in the President, under the control of the Secretary of State for India.

21. The students are distributed in divisions, under personal charge of one of the Professors or Instructors selected by the President; such tutor being responsible for exercising the proper degree of personal supervision over each student in his division, and for conducting necessary correspondence with the student's parents or guardians.

22. Each student residing in the College is provided with a separate room, and with fuel and light, also with the necessary attendance. Furniture and bedding are supplied by the College, but each student is required to provide his own towels and bed linen. Meals are taken in hall. Wine and beer are not included in the ordinary fare, but can be obtained from the College cellar at fixed prices.

23. A chapel is attached to the College, which the students residing in the College are expected to attend, unless specially exempted.

24. Every student will be required to go through a course of gymnastics and also of military exercises, including the use of the rifle.

25. Students are required to wear academical dress, under such regulations as may be prescribed from time to time.

Students not nominated for the Indian Forest Service, but desirous of obtaining a Diploma in Forestry from Cooper's Hill College.

26. Students not nominated for the Indian Forest Service may be received into the College, as far as the available accommodation permits. Such students may pass through the course of instruction prescribed for the nominees of the Indian Forest Service, as detailed above, or they may be permitted to participate in the instruction given in certain subjects only. On attaining the prescribed minima of marks in the several branches of study and in totals as laid down above, they will receive, as the case may require, either the College Diploma in Forestry or special certificates showing in what subjects they have followed the instruction, and with what result.

27. Candidates who desire to be admitted under paragraph 26 may submit the necessary application at any time, but not later than the 15th day of June of the year named for admission, except with the special permission of the President. The application must be made on the prescribed forms, which can be obtained from the Secretary of the College.

28. Candidates whose applications are found satisfactory as to character and in other respects will be required to undergo an examination, to be held at the College, about the last week in June of the year for admission. The object of the examination will be to ascertain whether the candidate is qualified to follow the course of instruction with advantage (or certain parts of it, as the case may be). Candidates who do not come up to the required standard will not be admitted to the College.

The President may dispense with the whole or any portion of this examination in the case of a candidate who produces a University diploma, or other similar certificate granted by a recognized examining body.

29. Candidates admitted to the College under paragraph 26, who propose to pass through the full prescribed course of study, will be required to pay the same fees in every respect as those paid by the nominees for the Indian Forest Service. Candidates who do not become resident, and are admitted only to certain subjects of study, will be required to pay the fees which may be fixed in each special case in consideration of the extent of their studies. The candidates of both classes will be required to abide by the general rules of the College.

India Office.
June 1891.

FOREST EXAMINATION.

SYLLABUS

Showing the Extent and Character of the Forest Examination from and after June 1892.

In a letter addressed to the Civil Service Commissioners on the subject of the Examinations for admission into the Royal Military Academy, Woolwich, and the Royal Military College, Sandhurst, the Director-General of Military Education observes:—"The main object to be borne in mind with reference to the Entrance Examination is to secure a youth who has had a thoroghly well-grounded liberal education as an English gentleman. Any curriculum which renders those who are unsuccessful unfit for other professions is greatly to be deprecated." The Regulations for the Forest Examination, which follow the lines of the Woolwich Examination, are intended to provide a test that the candidates have received such an education as is indicated in these words. By these Regulations certain of the subjects specified are prescribed as obligatory for all competitors, while, in the choice of the subjects described as optional, allowance is made for varieties of taste and inclination in caeh candidate. In view of the influence which the Regulations must necessarily exercise on the education of candidates for admission to the public service, the Civil Service Commissioners deem it expedient to specify, with more fulness than in the Regulations themselves, the character of the Examination which, in June 1892 and afterwards, the candidates will be called upon to undergo.

CLASS I.

(OBLIGATORY SUBJECTS.)

Mathematics.—The extent of the Examination will be as defined in the Regulations.

English Composition.—An Essay to be written on one of several subjects specified by the Civil Service Commissioners on their Examination Paper.

German.—There will be translations of unseen passages from German into English and from English into German; the knowledge of pronunciation will be tested by Dictation and the *vivâ voce* Examination. The passages for translation will be taken, mainly, from standard authors (Schiller, Lessing, Alexander v. Humboldt, Ranke, &c.), and a few simple questions may be asked on the passages set, as to the structure and character of the language, and allusions of obvious and general interest.

CLASS II.

(OPTIONAL SUBJECTS.)

Higher Mathematics.—The extent of the Examination will be as defined in the Regulations.

Latin.—Passages will be set for translation into English selected from the authors usually read in schools. Passages from English authors will be given for translation into Latin prose and verse, but candidates will be allowed, in the place of verse composition, to answer questions of a simple character, which will test whether they possess a fundamental knowledge of the grammar of the language, and such an elementary acquaintance with Roman History as is required for the intelligent study of the books they have read.

Greek.—Passages will be set for translation into English from the authors usually read in schools, and in other respects the Examinations will proceed on the same lines as in Latin.

French.—The passages for translation will be taken from standard authors (Corneille, Madame de Sévigné, Guizot, Taine, &c.), and in other respects the Examination will proceed on the same lines as in German.

English History.—The General Paper in this subject will test whether the candidates are accurately acquainted with the facts of English History, and also possess an intelligent knowledge of the meaning of the facts. The paper on the fixed period will, of course, require from the candidates more minute knowledge than the German Paper.

Botany, Chemistry, Physics, Physical Geography and Geology.—The standard of Examination in these subjects will be such as may be reasonably expected from the education given at schools possessing appliances for practical instruction, such as a laboratory, &c. A considerable portion of the marks will be allotted for the proficiency shown in the practical part of the Examination.

GENERAL.

Handwriting.—In estimating the papers of candidates, a limited number of marks, namely, 100 out of the maximum allotted to each subject, are held to be assignable for handwriting.

ORDER.—Ordered that a copy be forwarded, for information, to the Governments of Madras and Bombay and the Local Governments and Administrations noted in the margin, the Inspector-General of Forests, and the Comptroller and Auditor-General.

Bengal	Assam.
North-Western Provinces and Oudh.	Coorg.
Punjab.	Ajmere.
Central Provinces.	Andamans.
Burma.	Hyderabad.

Ordered also that a copy be forwarded to the Foreign Department for communication to the Agent to the Governor-General in Beluchistan; and that these papers be published in the Supplement to the *Gazette of India.*

(True Extract.)

E. C. BUCK,

Secretary to the Government of India.

RESOLUTION ON THE ADMINISTRATION REPORT OF THE HOWRAH BRIDGE FOR THE YEAR ENDING 31ST MARCH 1891.

No. 2650 Marine.

GOVERNMENT OF BENGAL—MARINE DEPARTMENT.

Dated Calcutta, the 9th November 1891.

RESOLUTION.

READ—

The Administration Report of the Howrah Bridge for the year ending the 31st March 1891.

Read again—

Marine Proceedings (A) for December 1890, Nos 5-7, being the Administration Report of the Howrah Bridge for 1889-90, and the Resolution recorded thereon.

The following statement shows the actual receipts and expenditure of the bridge during the year under review as compared with the previous nine years:—

PARTICULARS.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
RECEIPTS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts from Railway Traffic	3,00,038	3,25,550	3,70,501	2,89,125	3,53,210	4,02,405	2,91,638	1,28,985	1,10,727	1,28,064
Ditto local do.	1,10,959	1,11,813	1,22,200	1,28,301	1,40,087	1,40,740	1,27,253	94,000		
Ditto hire of Steamer *Helvetia* ...	1,951	2,219	937	446	470	489	419	906	57	164
Receipts from hire of Steamer *Howrah* or *Buckland*	4,709	1,841	...	100	..	...	132	27	14	
Interest on Government securities ...	12,960	21,059	22,174	22,174	20,763	42,088	24,056	26,566	32,182	32,350
Proportion of rent of Head Office ...	652	580	574	527	523	528	528	487	582	448
Miscellaneous ...	1,102	942	221	814	646	737	512	2,096	532	253
Proportion of earnings of steam-tug *Hetty* ...	13,256	21,641	11,088	17,372	11,102	9,303	13,038	8,515	12,770	13,698
Rent of Bridge Approach land ...	...	...	..	1,557	2,611	1,876	2,693	3,044	2,962	3,177
Total ...	4,54,027	4,85,681	5,36,695	4,60,416	5,30,012	5,98,253	4,60,269	2,64,716	1,68,826	1,79,024
EXPENDITURE.										
Interest on loans ...	81,186	76,070	64,984	32,082	79,809	43,089	9,456	7,659	7,611	7,561
Proportion of salaries-Control	10,580	10,402	12,018	11,439	12,733	12,896	10,308	10,209	12,323	13,041
Salaries ...	32,130	32,114	31,584	31,764	32,254	32,310	32,383	32,601	32,701	32,978
Working expenses ...	13,863	11,467	13,956	14,270	16,872	14,145	18,020	42,798	20,427	12,826
Repairs ...	32,412	34,137	32,187	47,500	29,213	50,073	38,062	42,617	36,663	25,368
Steamer *Howrah* or *Buckland* ...	19,045	14,883	13,646	18,979	15,464	15,347	14,879	19,751	16,645	18,400
Proportion of municipal taxes of officers' quarters, storeyard, and police quarters and repairs to buildings ...	1,644	1,499	8,141	10,890	9,950	3,615	5,171	7,952	3,542	11,458
Miscellaneous ...	...	...	1,322	112	...	...	..	.	...	...
Proportion of establishment, &c., of steam-tug *Hetty* ..	12,664	11,299	11,384	10,667	10,932	12,231	11,052	10,260	11,074	9,423
Contribution for overbridge at Howrah ...	25,000	...	...	...	...	...	..		...	..
Renewals ...	5,648	2,674	2,449	14,623	7,008	2,415	7,840	25,694	...	16,015
Proportion of salary of Traffic Manager ...	...	...	...	...	.	...	4,500	4,500	875	..
Total ...	2,34,152	1,94,545	1,91,721	1,90,346	2,14,925	1,87,021	1,52,607	2,04,241	1,41,771	1,47,066
Net revenue ...	2,20,475	2,91,136	3,44,974	2,70,070	3,15,087	4,11,235	3,07,662	60,475	27,055	31,958
GRAND TOTAL ...	4,54,627	4,85,681	5,36,695	4,60,416	5,30,012	5,98,256	4,60,269	2,64,716	1,68,826	1,79,024

2. Owing principally to an increase in the receipts from railway traffic, the income of the year exceeded that of 1889-90 by Rs. 10,198, and it exceeded by Rs. 21,427 the estimate (Rs. 1,57,597) of the Committee appointed by the Government in January 1888 to consider the revised scale of tolls and fees which should be levied after the bridge debt had been paid off.

3. Excluding the cost of plant obtained for lighting the bridge by electricity and payments made to the Government on account of the sinking fund on the consolidated and debenture loans of the Port Trust, the expenditure exceeded that of the previous year by Rs. 5,295. This increase was partly due to the purchase of a new pontoon for Rs. 16,016, which will be used when occasion arises, and partly to an increase of about Rs. 8,000 in Municipal taxes: on the other hand there was a decrease of about Rs. 20,000 in working expenses and repairs, which should have been explained. The policy of the Commissioners in making provision for the gradual renewal of the pontoons has the Lieutenant-Governor's approval.

4. The net revenue of the year under review amounted to Rs. 31,958, making, with the net revenue of the previous years since the bridge was opened for traffic, a total net revenue of Rs. 34,59,516.

The subjoined statement exhibits how the net revenue has been appropriated:—

	To end of 1889-90.	In 1890-91.	Total.
	Rs.	Rs.	Rs.
Sinking Fund paid to Government on the Bridge debt	22,41,800	......	22,41,800
Proportion of Sinking Fund on consolidated loan due to Government for Head Office and officers' quarters paid to Government	12,026	1,142	13,168
Proportion of Sinking Fund on debenture loans set aside with the Trustees of the Commissioners' Debenture Loan Account	16,248	2,152	18,400
Reserve Fund	7,71,978	......	7,71,978
Pontoon Renewal Fund	48,246	......	48,246
Contribution for the following new works:—			
Flat *Howrah*	20,000		
Reserve Section	8,000		
Tug-steamer *Hetty*	1,35,642		
Ferry-steamer *Buckland*	1,23,374	......	3,20,225
Police quarters	16,573		
Office machinery and tools for workshop ...	13,321		
Gearing for drawbridge	891		
Two iron buoy boats for floating fenders ...	2,424		
Electric lighting plant, &c.	......	42,050	42,050
	34,10,523	45,344	34,55,867
Balance ...	......	......	3,649
Total ...	......	......	34,59,516

5. The sum of Rs. 42,050 has been appropriated from the surplus revenues of the bridge to meet the cost of lighting the bridge by electricity. The working expenses of this system are estimated to amount to Rs. 4,660 per annum against Rs. 5,448, the cost of lighting the bridge by gas. The estimate, however, is exclusive of the interest on the capital outlay, and if it be taken into account at 4 per cent., the annual expenditure amounts to Rs. 894 more than that incurred on lighting the bridge by gas. On the other hand, with the new arrangement the lighting is increased twenty-six-fold. The electric light has been brought into use since the close of the year.

6. The bridge was opened for the passage of vessels on 145 occasions, including 41 openings on Sundays on special applications. The number and description of the vessels which passed through it on these occasions are shown in the subjoined statement: the increase in the number of sea-going vessels indicates greater activity in the dockyards above the bridge.

	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.
Sea-going vessels	442	469	403	366	205	331	380	302	414
Inland steamers and flats ...	664	733	944	1,102	846	899	878	841	1,059
Steam-tugs	409	361	342	406	387	397	456	491	540
Port Commissioners' vessels	42	58	56	69	56	46	20	53	92
Government steamers and flats ...	..		10	6	10	6	7	16	3
Total	1,557	1,621	1,755	1,949	1,596	1,679	1,741	1,703	2,110

7. No sea-going vessels collided with the bridge in passing through the opening, but there were 149 collisions of other vessels against 91 and 115 in 1888-89 and 1889-90, respectively. The increase is said to be due to the strong freshots which prevailed during the rainy season of 1890.

ORDER.—Ordered that a copy of the Resolution be forwarded to the Bridge Commissioners for information.

Ordered also that this Resolution be published in the Supplement to the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col.*, R.E.,

Secretary to the Government of Bengal.

RESOLUTION ON THE ADMINISTRATION REPORT OF THE COMMISSIONERS OF THE PORT OF CALCUTTA FOR THE YEAR 1890-91.

No. 2631 Marine.

GOVERNMENT OF BENGAL,—MARINE DEPARTMENT.

Dated Calcutta, the 9th November 1891.

RESOLUTION.

READ—

The Administration Report of the Commissioners of the Port of Calcutta for the year 1890-91.

IN the Resolution on the Administration Report of the Commissioners for the year 1889-90, the Lieutenant-Governor noticed the delay that had occurred in the submission of the report, and expressed a hope that the Commissioners would arrange for its more punctual submission. The report for the year under review was not, however, received until the 20th of October. The Lieutenant-Governor desires to invite the special attention of the Commissioners to this matter, and would ask them to so arrange that the report may in future years reach the Government on or before the 15th of September. His Honour notices that the latest report of the Auditors was furnished on the 3rd of July, and he thinks therefore that no difficulty should be found in completing the Administration Report by the date now prescribed.

2. The gross debt of the Commissioners, exclusive of the advances made to them by the Government for the dock works at Kidderpore, was at the close of the year under review as follows:—

	Rs.
Consolidated debt due to Government	41,35,972
Port debt not repayable	17,65,000
4½ per cent. debenture loan of 1881	10,00,000
4½ ditto ditto of 1883	20,00,000
5½ ditto ditto of 1886	30,00,000
Total ...	1,19,00,972

The consolidated debt due to the Government was reduced during the year by Rs. 1,35,429, and a sum of Rs. 1,27,500 was invested by the Commissioners in their own debentures for the repayment of the debenture loans, making the total amount at credit of the sinking fund account Rs. 7,78,500.

3. Against the above debt, the assets of the Trust on the 31st March 1891, exclusive of the value of the river frontage lands which were made over to the Commissioners by the Government subject to a rent charge of Rs. 37,292 a year, amounted to Rs. 2,23,64,722. The statement below shows the cost of the works constructed or acquired by the Commissioners and the sources from which the expenditure has been met:—

Cost of work constructed or acquired by the Commissioners.	Rs.
Expenditure on jetties and appliances for sea-going vessels to the end of March 1891	83,54,172
Expenditure on inland vessels wharves, landing stages, tramway, &c., on the Calcutta bank of the river ..	62,02,698
Expenditure on inland vessels wharves, landing stages, tramway, &c., on the Howrah bank of the river ...	16,38,634
Expenditure on dry dock and premises at Howrah ..	5,25,484
Expenditure on moorings, anchor vessels, Harbour Masters' boats, light ships, survey vessels ...	38,01,745
Expenditure on Reserve Funds: Jetties R[illegible] ...	99,244
,, Insurance Fund ...	50,000
Port Reserve Fund	3,61,250
,, Depreciation Fund ...	1,99,995
,, Approaches Fund ...	1,50,000
Debenture loan, Sinking Fund	7,78,500
Dock Contingent Fund ...	2,00,000
Total ...	2,23,64,722

Sources from which the expenditure has been met.	Rs.
By loan from Government (repayable)	60,25,100
Do. ditto (not repayable)	17,65,000
Do. on 4½ per cent. debentures of 1881	10,00,000
Do. do. ditto of 1883	20,00,000
Do. 5½ ditto of 1886	30,00,000
Contribution from Government towards purchase of land for new riverside road	74,584
Ditto ditto for landing stage at Prinsep's Ghât	10,000
Ditto ditto for Port approaches block	7,19,203
From sale of surplus land	4,09,367
From revenue derived from works since formation of Trust	73,61,468
Total ...	2,23,64,722

4. The advances received by the Commissioners from the Government up to the close of the year under review on account of the dock works at Kidderpore amounted to Rs. 2,17,25,217, out of which sum Rs. 2,15,20,555 had been expended. But for the movement in the walls of Dock No. 1, which was referred to in paragraph 4 of the Resolution on the Administration Report

of the Commissioners for 1889-90, the docks would have been opened for traffic early in 1891. The injured walls are being repaired in accordance with the recommendations of the Committee appointed by the Government of India to consider the proposals made by the Engineer to the Port Trust; and as the report indicates that the subsidiary works are approaching completion, it may be expected that the docks will be ready for use at an early date.

5. The income of the year under Revenue account, exclusive of the opening balance [Rs. 3,78,647], amounted to Rs. 27,82,831 against Rs. 26,82,730 in 1889-90. The expenditure amounted to Rs. 28,20,135, including sinking fund charges (Rs. 2,30,534), contributions for new works (Rs. 66,228), and for dock contingent fund (Rs. 2,00,000). The year therefore closed with a net credit balance of Rs. 3,41,343.

6. Under Capital account the receipts amounted to Rs. 2,23,044, including an opening balance of Rs. 5,698. The expenditure amounted to Rs. 75,392, and the year therefore closed with a balance of Rs. 1,47,652.

7. During the year under review materials and stores to the value of £42,796-18-4 were procured by the Commissioners from England through their London Agent, and contracts to the value of Rs. 1,70,367-6-8 were entered into locally for the supply of miscellaneous stores.

8. The income under Part I, "Jetties," rose from Rs. 11,73,907 in 1889-90 to Rs. 12,38,673 during the past year, the Jetties, Petroleum Wharf, and the Tea Warehouse being the three departments which contributed to the increase. There was a considerable increase in the receipts from imports, but those from exports, although slightly in excess of the receipts of the previous year, were less than those of any of the seven years ending with 1888-89. The number of vessels berthed at the jetties was 215 against 203 in the previous year, and the average number of days each vessel occupied the jetties was 10·1 against 10 in 1889-90.

9. There was a falling off in the importation of petroleum. Forty-three vessels arrived during the year with 3,208,777 cases against 54 vessels with 3,726,670 cases in the previous year. This decrease is attributed to the fact that 1,078,009 cases were in stock at the commencement of the year. The returns show that the importation of Russian oil has been resumed, four vessels having arrived during the year from Batoum with 258,232 cases of petroleum. The income derived from the Petroleum Wharf amounted to Rs. 1,69,103, showing an increase of Rs. 10,163, which appears to have been due to the large balance of the previous year's imports which remained in store.

10 The question of placing restrictions on the transport of petroleum by water through the port, which was referred to in paragraph 11 of the Resolution on the Administration Report of the Commissioners for 1889-90, has not yet been finally determined. It has been decided, in consultation with the Commissioners, that petroleum should not be landed on the banks of the river within the limits of the port, and a draft rule on the subject has been published in the *Calcutta Gazette*, and will be dealt with further on receipt of any observations which those who are interested in the matter may have to make.

11. The quantity of tea brought down to Calcutta during the year was 105 million pounds against 101 million pounds in the previous year. The quantities that passed through the tea warehouse during these periods were 35 and 30 million pounds respectively. Notwithstanding this increase in the quantity that passed through the warehouse, the receipts came down from Rs. 58,913 in 1889-90 to Rs. 58,103 during the year under review. Owing to low prices that prevailed through the greater portion of the season, agents shipped their tea direct to London instead of offering it for sale in the local market. Thus a large quantity did not incur any charges for soldering, warehousing, &c., which it would have incurred had it passed through the local auctioneers' hands, and to this is attributed the falling off in the receipts. The total income of the tea warehouse, including the sum of Rs. 23,647 realised by letting out the ground floor, amounted to Rs. 81,750 against Rs. 76,455 in the previous year. The result on the whole was therefore satisfactory.

12. The income of the Jetties amounted to Rs. 12,38,673. Including payments in respect of interest and sinking fund of loans, the expenditure amounted to Rs. 8,37,500. The surplus revenue was therefore Rs. 4,01,173.

13. The income from the inland vessels wharves, which amounted to Rs. 4,94,021 against Rs. 4,67,292 in the previous year, was the largest on record since 1880-81. The expenditure, including payments for interest and sinking funds, amounted to Rs. 3,67,387, and there was a surplus revenue of Rs. 1,26,634.

14. The income of the Strand Bank lands was Rs. 1,74,978. The expenditure, including the rent charge payable to the Government, amounted to Rs. 87,882, leaving a surplus of Rs. 87,096.

15. There was an increase of Rs. 28,072 in the income of the Harbour Master's Department as compared with the figures of the previous year. This was due to an increase in the receipts from mooring hire and Harbour Masters' earnings, which amounted to Rs. 2,86,089 and Rs. 1,76,080, respectively, against Rs. 2,73,351 and Rs. 1,52,022, the figures of the previous year. The income of this part amounted to Rs. 5,70,365. Including interest and sinking fund charges, the expenditure was Rs. 4,78,505, leaving a surplus of Rs. 91,860.

16. Twelve vessels met with casualties while in charge of Assistant Harbour Masters against 9 in the year before. In three cases the officers were to blame and were punished under orders of the Commissioners.

17. The number of passenger and cargo boats surveyed during the year was 1,475 and 5,866, respectively, against 1,532 and 5,886 in the year before. The number of manjees licensed was 9,387 against 9,609, and the total amount realised was Rs. 30,603, including Rs. 7,859 on account of fines for breach of port rules against Rs. 29,731 in 1889-90.

18. The income from the Port Trust Railway amounted to Rs. 2,93,996, and the expenditure, including charges for interest and sinking funds, to Rs. 2,22,008, leaving a balance of Rs. 71,988.

19. The charges made by the Commissioners for the conveyance of goods by their tramway have been under consideration during the year, and they have recently submitted for sanction a schedule of rates prepared in accordance with the principles laid down by the Government of India.

20. The receipts of the Port Approaches amounted to Rs. 10,798. Including a provision of Rs. 1,00,000 on account of depreciation, the expenditure amounted to Rs. 5,60,625, which was met from the following sources:—

		Rs.
Contribution from Jetties	... ...	2,10,000
" " Inland Vessels Wharves	... ...	80,000
" " Strand Bank lands...	... ...	1,00,000
" " Harbour Master's Department...	...	90,000
" " Railway	... ...	70,000
Total	...	5,50,000

21. The river channels, with the exception of the Lower Saugor Roads and the Nynan and the Anchoring Creek Tracks, remained almost steady during the year. The Lower Saugor Roads deteriorated considerably, and the Nynan and the Anchoring Creek Tracks shoaled up in September and were abnormally low in October. Although there was a slight improvement during the remaining months of the year, they remained eight feet worse than the average for the time of the year. The deterioration of this channel formed the subject of a correspondence between this Government, the Government of India, and the Secretary of State, and an exhaustive enquiry was made into the matter. It does not seem possible to improve the bars by dredging operations, raking or training walls, and the suggestion in regard to lighting the Nynan channel so as to enable vessels to cross the bar at night cannot be adopted, as the movement of ships at night across the bar is believed to be impracticable.

22. The thanks of the Government are due to the Commissioners for their efficient management of the affairs of the Trust during the year.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col.*, R.E.,

Secretary to the Government of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 7th November, 1891.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
BURDWAN DIVN.				
1	Burdwan	Nov. 7, '91	...	Report not received.
2	Bankoora	" 7, '91	0·69	Weather—cloudy towards the middle of the week with slight rain and wind. Rain has done much good to standing crops. Sowing of *rabi* continues. Harvesting of *aman* paddy going on. Fodder and water sufficient. No cattle-disease reported. Rice selling at 18 seers per rupee at Sudder and 15½ seers at Bishenpur.
3	Birbhum Rampore Haut	" 7, '91 ...	1·43 0·46	A cloudy week has ended with about an inch and-a-half of very useful rain. The crops have benefited much by it. The low land crops are good, and the high land crops are better though still bad. Fodder and water plentiful. Condition of cattle normal. Price of common rice steady at 16 to 18 seers per rupee.
4	Midnapur	" 7, '91	0·18	Weather—windy and cloudy with a little rain at the end of the week. Rain much wanted for *aman* rice, which is suffering except on very low lands. Sowing of *rabi* commenced. Outbreak of cattle-disease abated. Prices of common rice:— Srs. Sudder ... ... 16 } Contai ... ... 14 } per rupee. Ghatal ... ... 16 } Tumluk ... ... 15 }
5	Hooghly	" 7, '91	0·33	Weather—cloudy with drizzling rain. The rain which has fallen may do a little good to winter rice crop, which has greatly suffered from want of rain. A heavy fall of rain may yet do some good to this crop, but there are no signs of it. Water and fodder-supply sufficient. Prices of common rice:— Srs. Sudder ... ... 13 } Serampore ... ... 11¼ } per rupee. Jehanabad ... ... 14 }
6	Howrah Uluberia	" 7, '91 ...	0·29 0·36	Weather—unsettled during a part of the week. Prospects of *aman* crop less favourable. More rain wanted. Sugarcane satisfactory. Price of common rice 14 seers per rupee. Health of cattle good. Fodder and water-supply sufficient.
PRESIDENCY DIVN.				
7	24-Perghs.	" 10, '91	0·43	Weather—seasonable and of late cloudy with strong wind and drizzling rain. *Aman* on high lands withering for want of rain. There have been light showers, but not sufficient to do much good. Cultivation of *rabi* crops continues. Cattle-disease reported from two villages in thana Harowa. No deficiency of fodder or want of water. Price of common rice shows an upward tendency, being 11 to 15 seers per rupee.
8	Nuddea Meherpur Chuadanga Ranaghat	" 7, '91	1·30 Nil Nil 0·03	Weather—cloudy and stormy during the last three days; to-day (7th) clear and sunny. Rain has done some good to winter crops. Prospects of *aman* bad, the plants having been generally scorched. Common rice selling at 13 seers 7½ chittacks to 14 seers 8 chittacks per rupee. Condition of cattle good, and supply of fodder and water sufficient.
9	Khoolna Bagirhat Satkhira	" 7, '91	2·67 Nil 0·08	Weather—stormy. Recent rain said to have done good to *aman* crop. In some places, specially in Satkhira, more rain is wanted very much. Fodder and water for cattle sufficient. Price of common rice 14 seers per rupee.
10	Jessore Jhenidah	" 7, '91 ..	0·79 0·04	Weather—warm. *Chhotan* paddy and sugarcane are being harvested. *Aman* paddy and winter sowings badly want water.
11	Murshedabad	" 7, 91	1·06	Weather—now cool and fine. Rainfall during the week has done much good to winter rice. *Kalai* doing well. More rain wanted for *rabi* sowings. No want of fodder for cattle.
CHITTAGONG DIVN.				
12	Chittagong	" 10, '91	1·20	Prospects of standing crops not very good, but improved by the rain. Cultivation of vegetable crops going on. Prices have somewhat risen.
13	Noakhally	" 7, 91	0·49	First three days close and hot, last four days cloudy, and yesterday (6th) cyclonic weather. State of *aman* worse. Much more rain wanted. Preparation of soil for *rabi* crops continues. Prices of rice stationary. Condition of cattle and supply of fodder and water good.
14	Tipperah	" 7, '91	3·92	Weather—cloudy and cold. Prospects of crops not favourable in parts of the district. Recent rain will improve the state of the crops. Fodder sufficient. Cattle-disease prevails in parts of the Chandpur subdivision.
15	Chittagong Hill Tracts.	" 5, '91	0·11	Weather—foggy in the morning and hot at noon. Cloudy on the 3rd, 4th, and 5th instant. Harvesting of *jum* paddy over. Gathering of cotton commenced. Late rice crop in low lands suffering from want of rain. Lands are being ploughed for mustard and other cold-weather crops. Common rice being sold at 13 seers 5 chittacks per rupee.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*				
DACCA DIVN.				
16	Dacca	Nov. 7, '91	0·99	Weather—first part of the week fine and the latter part cloudy. Prospect of *aman* good generally, but this crop has suffered partly for want of rain. Recent rain has done much good. *Asvini* paddy still being cut. Fodder available. Common rice selling at from 13 to 17 seers per rupee. No cattle-disease.
17	Furreedpur	„ 7, '91	1·08	Weather—cloudy with a high north-easterly wind and rain. Prospect of *aman* paddy on low lands fair. Rain has done some good to winter crops already sown. Price of rice stationary. No cattle-disease. Fodder available.
18	Backergunge	„ 7, '91	1·29	Edge of cyclone with sharp showers from south-east, now apparently passed over. The late rain has done some good to the crops, and the prospect is not so gloomy as before. Price of common rice varies from 12 to 18 seers a rupee. Fodder and water sufficient.
19	Mymensingh	„ 7, '91	1·82	Rain commenced to fall from 5th instant. Prospects of crops fair. Condition of cattle good. Supply of water and fodder sufficient. Coarse rice selling at 14½ seers per rupee.
RAJSHAHYE DIVN.				
20	Dinagepur	„ 7, '91	Nil	Weather—seasonable. Prospects of winter rice bad. Cultivation of *rabi* crops still going on. Sugarcane promises well. Price of rice has fallen at Sudder, where common rice is selling at 13 seers per rupee. At Thakurgaon price of rice stationary. Condition of cattle reported to be good. Supply of fodder and drinking water ample.
	Thakurgaon	...	Nil	
21	Rajshahye	„ 7, '91	0·31	Cold weather has set in, after two days' rain this week. *Aman* crop has greatly suffered, and will be very short owing to the late drought. The week's rain will facilitate *rabi* cultivation. Price of common rice ranges from 12 to 14 seers per rupee. Cattle-disease nowhere reported. Fodder and drinking water ample.
	Nattore	...	0·42	
22	Rungpur	„ 7, '91	0·09	Weather—bright with north wind. Paddy in ear and prospects unchanged. Mustard being largely sown and germinating well. Potatoes and tobacco doing well. Price of rice stationary at 12 seers per rupee except at Nilphamari, where it is selling at 10 seers. Fodder plentiful.
	Gaibanda	...	Nil	
	Kurigram	...	Nil	
	Nilphamari	...	Nil	
23	Bogra	„ 7, '91	0·05	Weather—cool with light north-east breeze. Recent rain will greatly improve prosepects of low land *aman*, from which a 12 to 14-anna outturn may now be expected. Common rice selling at 14 seers per rupee. Fodder ample. Lands still being prepared for *rabi* crops; prospects of these favourable.
	Sherpur	...	Nil	
	Nowkhilla	...	0·71	
24	Pubna	„ 7, '91	0·87	Weather—seasonable. Rainy at close of the week. State of standing crops much improved by recent rain. More rain wanted for the filling in of the ear of *aman* paddy. *Rabi* crops doing well. Condition of cattle good; supply of fodder and water ample. Common rice selling at 13 seers per rupee both at Pubna and Serajgunge.
25	Darjeeling	„ 7, '91	Nil	Weather—fair. Sowing of *rabi* crops nearly completed. From want of water in the fields it is not expected that paddy will yield more than 9 or 10 annas. No disease among cattle reported. Fodder and water-supply sufficient. Prices of common rice:— Srs. Silliguri ... 11; Darjeeling ... 10; Kalimpong ... 10; Pulbazar ... 11; Nagri ... 8; Sonadah ... 11; Kurseong ... 10; Nuxalbari ... 13; Joro Bungalow ... 10 — per rupee.
26	Julpigoree	„ 7, '91	Nil	Weather—cloudy and cool with high easterly wind at the latter part of the week. *Haimanti* paddy badly in want of rain. Common rice sells at 10 seers per rupee. Fodder and water-supply sufficient. No cattle-disease.
BEHAR,				
BHAGULPORE DIVN.				
27	Monghyr	„ 7, '91	Nil	Weather—sky overclouded, air cooler. Winter rice mostly withered except in Kharakpoor. *Rabi* sowings going on. Rain much wanted. Fodder sufficient and no cattle-disease. Price of rice from 11 to 15 seers per rupee.
	Beguserai	...	0·05	
	Jamui	..	0·10	
28	Bhagulpur	„ 7, '91	0·01	Weather—warm for the time of year. There were clouds about on 5th, but no rain to speak of. Prospects of *aghani* rice continue to be generally unfavourable, and scarcity may be expected in the north of the district. Prospects of *rabi* crops are better, though more rain is required for these also. Fodder sufficient. Price of common rice 13 seers 14 chittacks per rupee.
29	Purneah	„ 7, '91	Nil	Weather—cloudy and close till yesterday (6th), but clouds have now cleared away and with them the prospect of rain. Paddy on high lands withering and in some places being grazed down. On the low lands it is coming into ear, but prospects are unfavourable. *Rabi* sowings continue, but the moisture in the land in the Sudder subdivision is deficient. Tobacco being sown in some places and planted out in others. Common rice selling at 10 to 12 seers per rupee in Kishengunge, at 14 seers in Arrareah, and at 11 to 12 seers in Sudder subdivision. Fodder and water-supply at present sufficient. No cattle-disease reported.
	Kishengunge	...	Nil	
	Arrareah	...	Nil	
30	Maldah	„ 7, '91	0·26	Weather—getting cooler. Light showers in some parts of the district, but not enough to do any real good to the winter rice which is coming into ear. Sowing of mustard continues. Fodder for cattle and drinking water sufficient. No cattle-disease. Common rice sells at from 11 to 17 seers per rupee.
	Chanchal	...	0·02	
	Shibgunge	...	0·23	
31	Sonthal Perghs.	„ 7, '91	0·86	Weather—cloudy. A light shower on 5th. This will greatly benefit both rice and *rabi*. About half the paddy on high lands is dead, but that on low lands continues good. In Deoghur subdivision paddy harvest not expected to be more than 8 annas, but taking the district as a whole, the outturn will be from 10 to 12 annas. Water and fodder-supply sufficient. Price of common rice 15 seers per rupee.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—(concld.)					
Patna Division.	32	Patna	Nov. 7, '91	Nil	Weather—hot, but cool at night. Paddy suffering from drought. Dried up plants being cut for fodder. Irrigated paddy in ear. *Rabi* and poppy sowings in progress, but prospects gloomy for want of rain. Prices generally stationary except in Barh subdivision, where they are reported to be slightly rising.
		Barh	...	0·06	
		Behar	...	Nil	
		Dinapore	...	Nil	
		Hilsa	...	0·41	
	33	Gya	" 7, '91	Nil	Weather—getting cold; occasionally cloudy. Sowing of *rabi* going on slowly. Rain much wanted. Prices of food-grains almost stationary. Supply of fodder and water for cattle yet sufficient.
	34	Shahabad	" 7, '91	Nil	Weather—generally cooler than last week with light winds. Want of rain continues to be severely felt. *Rabi* crops, however, thriving in spite of its absence. Want of water for irrigation and drinking is already being felt in the west of the district. Prices rising steadily.
		Buxar	...	Nil	
		Bhabuah	...	Nil	
		Sasseram	...	Nil	
	35	Durbhunga	" 7, '91	Nil	Weather—occasionally cloudy with east wind. Paddy on high lands will be a complete failure. Prospects of low land rice are far from favourable. *Rabi* sowings still going on, but there is very little moisture in the land. Fodder for cattle plentiful. Prices rising steadily.
	36	Mozufferpur	" 7, '91	Nil	Weather—hot and at times cloudy. Slight rain fell in a few places in the south-east of the district. Prospects of rice crop bad. It is withering on higher lands, and outturn for whole district will probably not exceed 6 annas. *Rabi* has not germinated well, and unless there be rain soon, it will also be a very poor crop. Price of rice at Sudder 14 seers, at Sitamarhi 13 seers, and at Hajipur 16 seers per rupee. Condition of cattle good. Fodder and water sufficient.
		Hajipur	...	Nil	
		Sitamarhi	...	Nil	
	37	Sarun	" 7, '91	Nil	Weather—fine; cold at nights. Rather cloudy the last two days. Rain much wanted. *Rabi* sowings still going on, but require rain. Fodder and water for cattle sufficient. Common rice selling at 13 seers per rupee at Sudder.
	38	Chumparun	" 7, '91	Nil	Weather—seasonable. *Rabi* crops are being sown. Rice is being irrigated. Supply of fodder and water for cattle sufficient.
ORISSA.					
Orissa Divn.	39	Cuttack	" 7, '91	4·87	Weather—cool. After prolonged drought a cyclonic storm with high wind and heavy rain visited the district on 4th and 5th. Considerable damage resulted. Full report not yet to hand. Common rice sells at 14 seers 7 chittacks per rupee. Fodder-supply sufficient.
	40	Pooree	" 6, '91	13·61	A violent storm has just passed over the district, causing serious damage to houses and trees. Reports of its effects on the crops not received. Common rice sells at from 14 seers 6 chittacks to 21 seers per rupee. Cattle-disease reported from some parts of the district.
	41	Balasore	" 7, '91	2·47	Weather has been stormy; at present fair. Careful enquiries prove that damage from October drought did not exceed 3 annas. If all goes well there should be an average outturn of not less than 12½ annas of winter rice. Rice sells at Balasore 19 seers and at Bhadrak 20 seers per rupee.
CHOTA NAGPORE					
South-West Frontier Agency.					
Chota Nagpore Divn.	42	Hazaribagh	Nov. 7, '91	0·07	Weather—seasonable and at intervals cloudy. Paddy being harvested; outturn will be 4 annas less for want of October rains. *Rabi* sowings continue in some parts, but retarded in others for want of rain. Common rice selling at 15 seers per rupee. Water and fodder-supply sufficient.
		Giridih	...	Nil	
	43	Lohardugga	" 7, '91	0·17	Weather—getting cold. The little rainfall has done much benefit to paddy. More rain wanted for this crop and for sowing *rabi*. Price of common rice. 15 seers per rupee. Ample fodder for cattle.
		Palamow (up to 2nd)	...	Nil	
	44	Singbhoom	" 7, '91	0·48	Weather—cloudy and rainy on the 5th and 6th; clear now. Prospects of rice crop satisfactory everywhere, full outturn being reaped. Prices lower.
	45	Manbhoom	" 7, '91	0·43	Weather—seasonable. Rain has improved prospects of rice crop. Fodder and water-supply sufficient.
		Govindpore	...	0·25	

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 10th November, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPEE IN

Division	Number.	DISTRICTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Jowar or Cholum. (*Sorghum Vulgare.*)		
			Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
BENGAL.			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Burdwan Division.	1	Burdwan ...	11 8	11 8	14 0	...	...	...	12 0	12 12	12 6	15 6	15 6	16 9	...	...	...
	2	Bankoora ...	12 8	12 8	14 0	16 0	16 0	18 0	15 0	15 0	17 0	19 0	18 12	19 0	.	...	...
	3	Beerbhoom ...	13 8	13 8	17 4	...	...	...	13 8	13 8	13 8	15 0	15 12	16 8	...	...	...
	4	Midnapore ...	11 0	11 0	10 8	...	...	...	12 0	13 0	13 0	16 0	16 0	16 12	...	...	...
	5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	13 0	...	...	...
	6	Howrah ...	11 4	...	...	...	...	...	10 8	10 8	10 0	14 8	14 0	14 0	...	...	...
Presidency Division.		Calcutta ..	11 4	11 1	13 6	19 4	19 5	17 15	8 10	8 10	8 12	12 10	12 4	13 1	...	...	...
	7	24-Pergunnahs	12 0	12 0	14 0	20 0	20 0	20 0	8 0	8 0	8 0	15 0	15 8	15 0	...	...	...
	8	Nuddea ...	13 5	13 1	15 4	22 14	22 14	16 0	11 10	12 5	11 6	13 7½	14 1	13 10	...	...	...
	9	Khoolna ...	...	...	...	...	..	...	12 0	14 0	12 0	14 4	17 0	14 8	...	...	...
	10	Jessore ...	11 8	12 0	13 0	...	...	...	11 12	12 8	11 0	14 8	16 0	13 0	...	...	...
	11	Moorshedabad	13 4	13 4	16 0	...	...	...	11 8	10 0	10 0	15 0	16 0	16 0	...	...	...
Chittagong Division.	12	Chittagong ...	10 0	10 0	11 0	...	...	...	12 0	12 0	12 0	16 0	16 0	15 12	...	...	...
	13	Noakholly ...	...	...	...	...	...	...	14 0	14 0	14 0	15 0	15 0	15 0	...	...	...
	14	Tipperah ...	10 0	10 0	10 0	...	...	...	10 0	10 0	10 0	13 14	16 0	13 14½	...	...	...
	15	Chittagong Hill Tracts.	...	...	...	...	...	...	11 6½	11 0	10 5	12 12	12 0	11 6¾	...	...	...
Dacca Division.	16	Dacca ...	11 8	11 8	12 0	20 0	20 0	14 0	13 0	13 0	13 0	15 0	15 0	14 0	...	...	...
	17	Furreedpore ...	15 0	15 0	16 0	35 0	30 0	20 0	13 0	13 0	10 0	16 0	16 0	13 0	...	...	...
	18	Backergunge	...	.	...	...	...	...	12 4	12 12	11 12	15 7	15 9	13 4	...	...	...
	19	Mymensingh ...	9 8	10 0	12 0	...	...	...	13 0	12 0	10 0	14 0	14 8	13 0	...	...	...
Rajshahye Division.	20	Dinagepore ...	10 13	11 6	15 10	16 0	17 8	21 12	9 9½	11 12	13 4	11 0	13 0	16 12	...	...	...
	21	Rajshahye ...	15 0	14 4	16 8	24 0	24 0	19 8	9 12	12 0	12 12	12 0	13 8	15 0	...	...	...
	22	Rungpore ...	10 10	10 10	13 5	...	.	...	10 10	10 10	9 6	12 13	12 4	13 5	...	...	...

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11¾ seers, and Ranegunge 10½ seers.
B At Bishenpore retail price of salt 10 seers per rupee.
C At Rampore Hât retail price of salt 11½ seers per rupee.
D In subdivisions retail prices of salt per rupee are—Ghatal 11 seers, Contai 10 seers.
E Retail price of salt at Bhudressur 10½ seers per rupee.
F At Uluberiah retail price of salt 10½ seers per rupee.
G In subdivisions retail prices of salt per rupee are :—Barasat 10 seers 10 chittacks, Diamond Harbour (at Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
H In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers 5 chittacks, and Ranaghat 10 seers.
I In subdivisions retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.
J In subdivisions retail prices of salt per rupee are :—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.

Head-quarters Station Bazars of the Districts of Bengal on the 31st October, 1891.

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.	Division
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL.	
...	...	...	17 0	17 8	18 8	100 0	100 0	100 0	[A] 11 4	11 4	[K] 11-2-2	3 5 8	3 5 8	3 7 6	Burdwan.	Burdwan Division.
22 0	22 0	32 0	17 0	17 8	18 0	220 0	200 0	280 0	[B] 11 0	10 10	10 8	3 10 0	3 12 0	3 10 0	Bankoora.	
...	...	...	13 0	13 0	13 8	160 0	160 0	160 0	[C] 10 14	10 14	10 8	3 11 6	3 11 6	3 10 0	Beerbhoom.	
...	...	...	10 10	11 8	12 0	120 0	120 0	120 0	[D] 10 12	10 12	10 8	3 12 0	3 12 0	3 13 0	Midnapore.	
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	[E] 10 0	10 0	9 0	3 12 0	3 12 0	3 11 6	Hooghly.	
...	...	...	11 0	10 12	12 8	100 0	100 0	100 0	[F] 10 8	10 8	10 8	3 6 0	3 8 0	3 8 0	Howrah.	
18 8	18 12	17 13	14 15	15 1	15 6	93 5	90 0	90 4	11 2	11 4	10 4	3 5 2	3 5 0	3 10 5	Calcutta.	Presidency Division.
...	...	...	17 0	17 0	14 8	100 0	100 0	100 0	[G] 11 0	10 12	10 12	3 4 0	3 5 0	3 6 6	24-Pergunnahs.	
...	...	...	16 0	16 0	16 0	...	...	...	[H] 11 0	9 13	9 13	3 8 0	3 10 0	3 12 0	Nuddea.	
...	..	...	...	...	...	160 0	160 0	160 0	[I] 9 0	9 0	8 0	4 0 0	4 0 0	4 0 0	Khoolna.	
...	...	...	16 0	16 0	16 0	160 0	160 0	160 0	[J] 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.	
...	...	...	16 0	15 0	16 0	200 0	200 0	200 0	[K] 9 0	11 8	10 12	4 7 6	3 7 9	3 12 0	Moorshedabad.	
...	...	...	...	...	...	110 0	110 0	110 0	[L] 10 0	10 0	10 0	3 8 0	3 8 0	3 14 0	Chittagong.	Chittagong Division.
...	...	.	8 0	8 0	8 0	...	...	...	[M] 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakholly.	
...	...	...	6 4	6 4	10 0	...	...	...	[N] 10 0	10 0	10 0	3 14 0	3 14 0	4 0 0	Tipperah.	
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.	
...	...	...	16 0	15 8	16 0	120 0	120 0	120 0	[O] 10 0	9 0	9 12	3 12 0	4 4 0	4 0 0	Dacca.	Dacca Division.
...	...	...	16 0	16 0	10 0	...	...	120 0	[P] 13 4	10 0	10 0	3 0 0	4 0 0	3 14 0	Furreedpore.	
...	...	...	Khesari, husked. 14 8	14 8	13 0	120 0	120 0	100 0	[Q] 10 8	10 0	10 10	3 10 0	3 12 0	3 12 0	Backergunge.	
...	...	...	9 8	10 0	10 0	...	...	.	[R] 10 0	9 8	9 8	3 14 0	3 14 0	4 2 0	Mymensingh.	
...	...	...	16 0	16 0	15 10	160 0	160 0	160 0	[S] 10 4	10 4	10 0	3 14 0	3 14 0	4 0 0	Dinagepore.	Rajshahye Division.
...	...	...	16 10	13 4	18 4	240 0	240 0	240 0	[T] 9 9	9 9	9 9	3 10 8	3 13 4	3 13 4	Rajshahye.	
...	...	...	13 5	10 10	10 10	100 0	100 0	100 0	[U] 10 0	9 6	9 6	4 0 0	4 4 0	4 4 0	Rungpore.	

K In subdivisions retail prices of salt per rupee are :—Jungipore 10 seers, Lalbagh 11 seers, and Kandi 11 seers.
L At Cox's Bazar retail price of salt 8 seers per rupee.
M At Fenny retail price of salt 9 seers per rupee.
N At Brahmunberiah retail price of salt 10 seers per rupee.
O In subdivisions retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 9 seers.
P Retail price of salt at Goalundo and Madaripore 10 seers per rupee.
Q In subdivisions retail prices of salt per rupee are :—Perozepore 9 seers, Patuakhali 9 seers, and Bhola 8 seers.
R In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Jamalpore 9½ seers, Sherpore 8 seers, and Netrokona 8 seers.
S At Thakurgaon retail price of salt 8 seers per rupee.
T In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
U In subdivisions retail prices of salt per rupee are :—Kurigram 8 seers, Gaibanda 9 seers 6 chittacks, and Nilphamari 10 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Division	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum. (Sorghum Vulgare.) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
BENGAL—continued.			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Rajshahye Division—contd.	23	Bogra ...	12 0	12 0	15 0	...	...	...	11 4	12 0	12 0	13 8	15 0	14 4	...	...	...
	24	Pubna .	13 8	14 4	18 0	.			7 0	7 8	7 5	15 0	14 10	14 4	...	...	...
	25	Darjeeling ..	8 0	8 0	8 0	10 0	10 0	9 0	5 0	5 0	5 0	11 0	11 0	12 0	...	...	...
	26	Julpigoree	11 0	12 0	13 0	16 0	16 0	16 0	6 0	7 0	8 0	11 0	11 0	16 0	...	...	...
BEHAR.																	
Bhagulpore Division.	27	Monghyr ...	13 12	14 0	16 12	19 8	20 0	16 12	11 0	12 8	11 0	13 0	13 0	15 3	...	...	...
	28	Bhagulpore ...	13 14	13 14	16 6	22 11	21 7	20 3	12 10	12 10	Old 10 11 New 12 10	14 8	15 2	Old. 13 14 New. 15 12	...	..	...
	29	Purneah ...	12 0	12 0	16 0	12 0	...		11 0	11 0	15 0	13 0	13 0	17 0	..	...	...
	30	Maldah ...	13 0	12 8	18 0	...	...		10 0	10 8	11 0	12 8	15 0	16 0	...	...	...
	31	Sonthal Perghs.	12 0	12 0	14 0	..			13 8	14 0	12 0	15 0	16 0	15 0	...	..	...
Patna Division.	32	Patna ...	15 12 / 14 12	Red. 16 0 White. 15 0	16 12 / 15 12	25 0	25 0	17 0	11 8	11 8	11 0	18 0	19 0	16 4	...	...	...
	33	Gya ...	13 8	13 8	15 4	22 0	25 0	18 12	10 8	10 8	10 0	14 8	15 0	17 0	...	...	...
	34	Shahabad ...	13 8	13 12	15 8	.0 0	20 0	16 0	8 0	9 0	9 0	14 5½	14 0	16 0	..	...	...
	35	Durbhunga ...	15 6	14 0	13 4	19 12	18 8	16 8	11 0	11 0	13 0	14 4	14 4	16 8	...	...	...
	36	Mozufferpore ...	13 0	14 0	16 0	18 0	25 0	18 0	11 0	13 0	9 0	13 0	14 0	14 0	..	...	...
	37	Sarun ...	14 5	14 5	15 8	22 0	24 0	16 0	8 8	8 8	8 4	14 0	14 0	14 8	...	...	...
	38	Chumparun ...	15 0	15 0	16 0	24 0	24 0	19 0	10 0	10 0	9 0	New. 17 0 Old. 13 0	17 0	16 0	.	...	...
ORISSA.																	
Orissa Division.	39	Cuttack ...	10 8	10 8	14 7	...	..	...	10 8	10 8	10 8	14 7	14 7	21 0	...	...	...
	40	Pooree ...	9 7	9 7	14 7	...	...	..	10 8	13 2	11 7	15 12	18 6	21 0	...	..	...
	41	Balasore ...	15 0	15 0	15 0	13 0	13 [illegible]	13 0	13 [illegible]	13 0	12 0	19 0	21 0	22 0	..	..	...
CHOTA NAGPORE.																	
Chota Nagpore Division.	42	Hazaribagh ...	13 8	14 0	14 0	16 0	17 0	17 0	8 0	8 0	10 0	14 8	14 12	16 0	...	...	...
	43	Lohardugga ...	12 0 / 7 4	Red. 11 8 White. 7 4	14 0 / 8 0	17 0	18 0	...	12 8	12 8	13 8	Ordinary. 15 0 Coarse. 19 8	14 12 / 20 0	16 0 / 2[illegible] 0	..	...	...
	44	Singbhoom ..	16 0	16 0	12 0	14 0	14 0	17 0	12 [illegible]	12 0	14 0	20 0	16 0	15 0	.	.	...
	45	Manbhoom .	11 12	11 12	13 5	...	...	...	13 8	13 0	14 0	20 0	21 0	20 8	...	...	...

V At Serajgunge retail price of salt 10 seers per rupee.
W At Kurseong and Silliguri retail price of salt 8 seers per rupee.
X At Fallacotta in Alipore subdivision retail price of salt 8½ seers per rupee.
Y In subdivisions retail prices of salt per rupee are: Beguserai 9¼ seers and Jamui 10 seers.
Z In subdivisions retail prices of salt per rupee are: Kissengunge 8 seers and Arrareah (at Basantpur) 10 seers.
a In subdivisions the retail prices of salt per rupee are:—Godda 9 seers, Pakur 10 seers.
b In subdivisions retail prices of salt per rupee are:—Sasseram 10¼ seers, Bhabuah 9¾ seers, and Buxar 10½ seers.
c In Madhubani and Somastipore subdivisions retail price of salt 11 seers per rupee.

CALCUTTA,
The 9th November, 1891.

Station Bazars of the Districts of Bengal on the 31st October, 1891—(concluded).

Indian-corn or Maize. (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus Indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.	Division
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL—*continued.*	
...	...	...	...	...	...	90 0	90 0	90 0	9 12	9 6	9 12	4 0 0	4 0 0	4 0 0	Bogra.	Rajshahye Division—*contd.*
...	...	...	17 4	17 4	17 4	200 0	200 0	200 0	V 8 15	8 15	K 8-11-2	3 14 0	3 13 0	3 14 0	Pubna.	
20 0	20 0	20 0	...	...	10 0	120 0	120 0	120 0	W 8 0	8 0	8 0	5 0 0	5 0 0	5 0 0	Darjeeling.	
...	...	...	8 0	9 0	12 0	200 0	200 0	200 0	X 10 0	10 0	10 0	4 0 0	4 0 0	4 4 0	Julpigoree.	
															BEHAR.	
No sale.	25 4	21 0	16 8	16 4	16 12	140 0	130 0	168 [illegible]	Y 10 4	11 0	9 15	3 14 0	3 9 0	3 13 0	Monghyr.	Bhagulpore Division.
22 11	24 0	21 7	16 6	16 6	18 10	151 8	164 0	151 8	10 11	10 11	10 0	3 12 0	3 12 0	3 14 6	Bhagulpore.	
20 0	20 0	...	13 0	13 0	15 0	80 0	80 0	130 0	Z 10 0	10 0	9 0	3 10 3	3 10 3	4 7 0	Purneah.	
...	...	..	..		.	120 0	120	120 0	9 8	10 0	9 0	3 8 0	3 13 0	4 0 0	Maldah.	
25 0	32 0	21 0	17 0	18 0	21 0	200 0	220 0	200 0	a 10 0	10 0	9 0	4 0 0	4 0 0	3 14 0	Southal Perghs.	
24 0	25 0	21 0	19 0	19 0	19 0	120 0	120 0	120 0	11 8	11 8	10 0	3 8 0	3 8 0	3 10 0	Patna.	Patna Division.
...	...	...	15 4	17 0	16 8	140 0	160 0	160 0	10 0	10 0	10 0	3 14 0	3 14 0	4 2 0	Gya.	
20 0	22 0	...	16 0	15 0	17 0	120 0	120 0	120 0	b 10 0	10 8	10 0	4 0 0	3 13 0	3 15 0	Shahabad.	
18 8	22 8	20 0	15 6	14 0	17 0	160 0	160 0	160 0	c 11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.	
20 0	25 0	18 0	15 0	15 0	20 0	160 0	160 0	160 0	d 11 0	11 0	10 0	3 10 6	3 10 6	3 4 0	Mozufferpore.	
23 0	25 0	17 8	17 0	17 0	17 12	180 0	180 0	180 [illegible]	e 10 8	10 8	10 4	3 12 0	3 12 0	3 13 0	Sarun.	
22 0	28 0	21 0	15 0	14 8	17 8	160 0	160 0	160 0	f 10 8	10 8	10 0	3 12 0	3 14 0	3 11 0	Chumparun.	
															ORISSA.	
..	...	...	17 11	17 1	19 11	80 0	80 0	80 0	g 11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.	Orissa Division.
...	.	...	13 2	14 7	17 12	80 0	80 0	80 0	h 11 13	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.	
..	...	...	...	..	.	160 0	160 0	160 0	i 10 8	10 0	10 0	3 12 0	3 14 0	3 14 0	Balasore.	
															CHOTA NAGPORE.	
24 0	24 0	20 0	16 0	16 0	20 0	240 0	240 0	240 0	j 9 0	9 0	8 0	4 0 0	4 0 0	4 3 0	Hazaribagh.	Chota Nagpore Division.
32 0	30 0	34 0	Big. 12 8 Small. 19 0	Big. 12 0 Small. 15 0	Big. ... Small. 22 0	150 0	150 0	130 0	9 12	9 12	9 0	4 1 0	4 1 0	4 2 0	Lohardugga.	
20 0	16 0	20 0	16 0	19 0	21 0	240 0	240 0	240 0	9 0	9 0	9 0	4 6 0	4 6 0	4 6 [illegible]	Singbhoom.	
..	...	...	16 0	17 0	18 0	200 0	200 0	200 0	k 9 13½	9 13½	9 14	3 12 0	3 11 0	3 12 0	Manbhoom.	

d At Hajipore retail price of salt 10½ seers per rupee.
e In subdivisions retail prices of salt per rupee are:—Sewan 11 seers and Gopalgunge 9½ seers.
f At Bettiah retail price of salt 10½ seers per rupee.
g In subdivisions retail prices of salt per rupee are:—Jajpore 8 seers, Kendrapara 9 seers, and Banki 12 seers.
h Retail price of salt at Khurdah 11 seers per rupee, Balounta 10 seers, and Balkati 10½ seers.
i At Bhuddruck retail price of salt 9 seers per rupee.
j At Giridhi (Whitty Bazar) retail price of salt 10½ seers per rupee.
k At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Feed-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 4 8	3 5 9	2 11 10	1 13 1	1 13 1	1 15 6	4 5 11	4 5 10	4 5 2	2 14 9	2 15 7	2 12 11
2	Serajgunge ...	3 4 0	3 4 0	2 4 0	...	..	...	5 0 0	5 0 0	4 13 0	3 4 0	3 0 0	3 4 0
3	Dacca ...	3 8 0	3 8 0	3 4 0	1 12 0	1 12 0	2 12 0	3 0 0	3 0 0	3 0 0	2 11 0	2 11 0	2 13 0
4	Naraingunge	...	...	...	...	...	...	...	...	[illegible] 0 0	...	...	2 12 0
5	Chittagong ...	4 0 0	4 0 0	3 8 0	...	...	...	3 4 0	3 4 0	3 4 0	2 8 0	2 8 0	2 8 0
6	Patna	2 8 6 2 11 9	Red 2 8 0 White 2 10 6	2 5 6 2 8 0	1 9 6	1 9 6	2 5 0	3 8 0	3 8 0	3 8 0	2 3 6	2 1 6	2 6 0
7	Balasore ...	2 12 0	2 12 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	3 4 0	2 1 0	1 14 0	1 13 0
8	Pooree ...	...	...	...	...	...		...	...	...	2 8 6	2 0 6	1 14 3
9	Cuttack ...	3 12 0	3 12 0	2 10 0	...	...	...	3 10 0	3 10 0	3 10 0	2 12 0	2 12 0	1 11 0

CALCUTTA,
The 9th November, 1891.

in the undermentioned Marts of Bengal on the 31st October, **1891.**

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 4 0	2 4 10	2 0 7	1 14 11	1 14 1	1 15 10	2 6 9	2 6 1	2 5 0	0 5 10	0 6 0	0 5 9	3 6 2	3 5 0	3 10 6	Calcutta.
2 10 0	3 2 0	2 8 0	...	..	...	...	...	...	0 8 0	0 6 6	...	3 13 0	3 10 0	3 14 0	Serajgunge
2 8 0	2 8 0	2 8 0	...	...	...	2 6 0	2 8 0	2 8 0	0 5 6	0 5 0	0 5 0	3 12 0	4 4 0	1 0 0	Dacca.
...	...	3 8 0	...	...	...	...	...	3 8 0	...	...	0 8 0	...	...	3 12 0	Naraingunge
3 6 0	3 6 0	2 14 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 14 0	Chittagong.
1 12 6	1 12 6	2 0 0	1 10 6	1 9 6	1 13 0	2 1 6	2 1 6	2 0 0	0 5 4	0 5 4	0 5 0	3 8 0	3 8 0	3 10 0	Patna.
2 12 0	2 12 0	2 12 0	...	...		...	...	...	0 4 6	0 4 6	0 4 6	3 12 0	3 14 0	3 14 0	Balasore.
...	...	...	...			...	...	.	...	...	...	3 6 0	3 6 0	3 12 0	Pooree.
2 14 0	(Kalai) 2 14 0	2 5 0	...	.	...	2 4 0	2 4 0	2 0 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Cuttack.

Published for general information.

C. E. BUCKLAND,

Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts	Stock in hand as compiled on—												
	1st week of Nov. 1890.	1st week of Dec. 1890.	1st week of Jan. 1891.	1st week of Feb. 1891.	1st week of March 1891.	1st week of April 1891.	1st week of May 1891.	1st week of June 1891	1st week of July 1891	1st week of August 1891.	1st week of Sept. 1891.	1st week of Oct. 1891.	1st week of Nov. 1891
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	3,58,300	3,14,000	2,80,500	4,98,000	7,21,000	10,86,500	13,19,000	9,74,000	7,19,000	4,72,000	4,58,500	4,28,700	4,45,000
Ooltadanga	70,400	64,200	54,000	57,200	65,250	55,900	63,100	59,600	61,100	65,800	72,100	66,200	65,000
Chitpore, Golabaree, Coomertooly, Hatkhola, and Cuipy Ghat.	6,29,700	5,70,250	5,29,650	5,40,400	6,00,800	5,67,200	5,17,400	4,82,400	4,68,400	4,97,200	5,66,700	5,25,000	5,04,600
Patnuriaghatta, Posta, and Jorabagan.	4,700	5,000	3,000	4,000	5,000	4,200	3,000	2,000	3,700	3,000	2,500	3,000	4,000
Tallygunge, Chitlah, Kidderpore, and Moonshigunge.	1,15,700	96,650	1,04,600	1,25,200	1,34,400	1,16,300	1,25,200	1,14,800	1,63,900	98,900	90,450	85,750	91,300
21 Minor bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddresur, and Chandernagore.	33,912	35,750	34,375	33,060	24,438	43,482	41,125	30,750	32,750	32,250	38,051	32,250	33,125
Total ...	17,02,012	15,75,850	14,96,125	16,57,800	20,40,833	23,63,562	25,58,825	21,53,550	18,81,850	16,29,150	16,58,301	16,29,900	16,37,925
On Railway premises on both sides of the river.	18,544 (on 3rd Nov. 1890.)	23,576 (on 3rd Dec. 1890.)	24,703 (on 3rd Jan. 1891.)	36,850 (on 3rd Feb. 1891.)	36,018 (on 3rd March 1891.)	28,642 (on 3rd April 1891.)	8,221 (on 3rd May 1891.)	5,928 (on 3rd June 1891.)	17,767 (on 3rd July 1891.)	10,179 (on 3rd August 1891.)	17,473 (on 3rd Sept. 1891.)	41,511 (on 3rd Oct. 1891.)	13,019 (on 3rd Nov. 1891.)
On boats unloaded ... By Port Commissioners' returns.	25,445 (1st to 3rd Nov. 1890.)	34,578 (1st to 3rd Dec. 1890.)	58,[illegible]96 (1st to 3rd Jan. 1891.)	82,603 (1st to 3rd Feb. 1891.)	65,914 (1st to 3rd March 1891.)	44,862 (1st to 3rd April 1891.)	35,578 (1st to 4th May 1891.)	17,251 (1st to 3rd June 1891.)	28,097 (1st to 3rd July 1891.)	17,174 (1st to 3rd August 1891.)	57,776 (1st to 3rd Sept. 1891.)	41,755 (1st to 3rd Oct. 1891.)	33,595 (3rd to 5th Nov. 1891.)
On boats unloaded ... By Canal returns.	30,008 (1st to 3rd Nov. 1890.)	25,941 (1st to 3rd Dec. 1890.)	77,223 (1st to 3rd Jan. 1891.)	1,71,337 (1st to 3rd Feb. 1891.)	1,08,494 (1st to 3rd March 1891.)	1,51,412 (1st to 3rd April 1891.)	13,089 (1st to 4th May 1891.)	25,741 (1st to 3rd June 1891.)	41,597 (1st to 3rd July 1891.)	24,697 (1st to 3rd August 1891.)	79,813 (1st to 3rd Sept. 1891.)	80,950 (1st to 3rd Oct. 1891.)	28,531 (3rd to 5th Nov. 1891.)
Grand total of Stocks ...	17,74,009	16,60,245	16,56,152	19,48,592	22,51,864	25,88,478	26,15,723	22,02,470	19,69,311	16,81,200	18,13,363	17,94,116	17,13,070
Probable stock available for exportation by sea.	7½ lakhs	6 lakhs	6 lakhs	9 lakhs	12 lakhs	13½ lakhs	15¾ lakhs	11¼ lakhs	9½ lakhs	6¼ lakhs	7½ lakhs	7½ lakhs	6½ lakhs

STATISTICAL DEPARTMENT,
The 7th November, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of October 1891.

		Date.	Hour
	Inches.		
The mean pressure of the month	29·886		
The average pressure of October from 24 years' registers ...	29·832		
The highest pressure in the month	30·089	31st	10
The lowest pressure in the month	29·750	22nd	16
The range of pressure	0·339		
	Hours.		
The total number of hours of bright sunshine during the month	277·9		
The maximum possible number of hours of sunshine ...	359·1		
	°		
The mean temperature of the month	80·0		
The average temperature of October from 24 years' registers	81·5		
The highest temperature in the month	90·2	6th	
The lowest temperature in the month	67·7	28th	
The range of temperature during the month	22·5		
The mean daily range of temperature	14·1		
The greatest range of temperature in one day	19·9	28th	
	Per cent.		
The mean humidity of the month	79		
The average humidity of October from 24 years' registers ...	79		
	Inches.		
The mean vapour tension of the month	0·806		
The average vapour tension of October from 9 years' registers	0·854		
The mean cloud proportion of the month	2·02		
The average cloud proportion of October from 14 years' registers	3·99		
The total rainfall of the month	0·10		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	0·10		
The average fall of October from 48 years' registers ...	5·61		
The greatest fall in 24 hours	0·10	6th	
	Days.		
The number of rainy days in the month	1		
The average number of rainy days in October from 24 years' registers	10		
	°		
The mean maximum equilibrium temperature of solar radiation during the month	144·1		
The mean difference of sun and air temperatures	56·9		
The greatest sun temperature	148·7	5th	
The greatest excess of sun over air temperature	63·0	22nd	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	68·0		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	5·2		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	7·7	28th	
	Miles.		
The mean movement of the wind per day	69·2		
The greatest movement of the wind in one day	168·0	4th	
The greatest movement of the wind in one hour	14·0	4th, 11 to noon.	

The number of hours with winds from each of the 8 points—

N. 172, N.E. 39, E. 44, S.E. 12, S. 41, S.W. 142, W. 97, N.W. 88, Calm 109.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0·8° lower; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 9th November 1891.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	STATION OBSERVATIONS.															
			Air Pressure.					Temperature.						Humidity.		Cloud.		
			Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level & to Lat 45°.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 8 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.	Rainfall.
Orissa.	Pooree	Pooree ...	30·044	29·850	29·938	29·885	—	91·7	72·6	89·2	76·8	83·0	—	80	—	1·7	—	0·62
		Gopalpore ...	30·058	29·856	29·944	29·905	+·089	89·7	68·9	87·5	73·1	80·3	—1·7	79	—	0·7	—	1·29
		False Point .	30·057	29·853	29·942	29·905	+·054	91·5	68·0	88·5	72·5	80·5	—0·6	83	—3	2·9	—2·1	1·19
	Cuttack	Cuttack .	30·015	29·804	29·887	29·911	+·065	93·0	69·8	90·3	73·4	81·9	—0·4	74	—5	2·1	—1·9	1·97
	Balasore	Balasore ..	30·033	29·810	29·899	29·902	+·048	92·4	65·8	88·9	71·9	80·5	+0·3	83	—	1·0	—	1·03
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island ...	30·004	29·855	29·933	29·902	+·052	91·2	70·0	87·9	75·4	81·7	+0·2	82	—5	3·6	—1·7	0·21
	Midnapore	Midnapore ...	29·937	29·733	29·808	29·903	+·039	92·3	66·2	89·8	72·4	81·1	+0·8	79	—	1·7	—	0·58
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta ...	30·078	29·870	29·938	29·905	+·049	90·1	67·2	87·3	73·2	80·3	—0·3	78	—5	2·0	—2·9	0·10
	Burdwan	Burdwan ...	30·007	29·802	29·869	29·916	+·054	92·1	67·4	90·0	73·0	81·5	—0·2	71	—10	3·2	—1·1	0·48
	Bankoora	Bankoora ...	29·768	29·544	29·629	29·883	—·024	92·1	66·7	89·3	72·1	80·7	—0·3	77	—	1·6	—	1·14
	West Burdwan ... ... Beerbhoom	Raniguuge .	29·728	29·545	29·627*	29·927*	+·054	91·5	63·5	89·4†	71·6‡	80·6§	—0·1	78‡	—	1·1‖	—	1·85
	Moorshedabad	Berhampore .	30·047	29·814	29·889	29·905	+·057	91·1	68·2	88·3	73·3	80·8	—0·4	83	+1	2·3	—2·5	0·56
	Nuddea	Krishnagore ...	30·044	29·843	29·905	29·901	+·050	92·3	64·7	90·1	71·7	81·0	+0·3	76	—	3·1	—	1·11
	Jessore and Khoolna ...	Jessore ...	30·055	29·861	29·922	29·902	+·041	92·2	67·5	89·2	73·2	81·2	—0·7	83	—3	2·1	—3·1	0·10
East Bengal.	Chittagong	Chittagong ..	29·967	29·785	29·870	29·905	+·038	90·2	65·6	87·3	71·0	79·2	—0·9	86	—3	3·3	—1·8	1·77
	Chittagong Hill Tracts	Demagri ..	No observations received.															
	Backergunge	Barrisal ...	30·055	29·864	29·919	29·898	+·034	91·8	66·0	88·0	72·8	80·4	+0·2	77	—	1·0	—	0·51
	Noakholly	Noakholly ...	30·027	29·816	29·918	29·908	+·009	89·0	62·5	86·9	70·5	78·7	—1·3	85	—	0·6	—	2·96
	Furreedpore	Furreedpore ...	30·015	29·808	29·929	29·916	+·051	89·5	66·9	86·5	72·9	79·7	—0·4	84	—	1·2	—	1·50
	Dacca	Dacca ..	30·059	29·867	29·933	29·903	+·045	92·1	67·2	88·6	72·3	80·5	—1·2	80	—5	2·7	—1·6	0·08
	Commillah	Commillah ...	30·044	29·847	29·932	29·915	+·064	91·3	63·4	87·8	71·0	79·4	—1·6	84	—	2·0	—	2·39
	Mymensingh	Mymensingh ...	30·032	29·837	29·901	29·910	+·055	90·2	65·6	86·8	71·3	79·1	—1·4	86	—	2·3	—	3·49
North Bengal.	Bogra	Bogra ...	30·015	29·808	29·876	29·890	+·002	91·8	64·2	88·2	70·5	79·4	—0·7	81	—	1·4	—	1·00
	Pubna	Serajgunge ...	30·036	29·844	29·907	29·903	+·039	91·1	63·8	87·5	70·4	79·0	—1·0	85	—	2·2	—	3·52
	Rajshahye	Rampore Beauleah.	30·026	29·816	29·879	29·899	+·030	90·8	65·7	87·5	71·7	79·7	+0·1	81	—	1·5	—	2·30
	Maldah	Maldah ...	30·023	29·783	29·870	29·903	—	93·6	62·9	89·7*	70·0‖	79·9‖	—	79*	—	0·5*	—	1·15
	Dinagepore	Dinagepore ...	29·946	29·755	29·831	29·904	+·025	92·0	60·8	88·0	68·3	78·2	—2·3	70	—	1·6	—	0·48
	Rungpore	Rungpore ..	29·991	29·771	29·845	29·924	+·045	91·3	63·7	87·0	68·7	77·9	—1·5	86	—	0·8	—	10·52
	Julpigoree and Cooch Behar.	Julpigoree ...	29·818	29·588	29·606	29·909	+·039	90·4	61·1	85·9	66·7	76·4	—1·7	84	—	0·4	—	1·44
	Darjeeling Hill Tracts...	Darjeeling ...	23·104	22·988	23·055†	—	+·002	64·6	42·7	60·0	48·4	54·2	—0·7	85	+8	4·1	—1·8	0·88
North Behar.	Purneah and North Bhagulpore.	Purneah ...	29·969	29·745	29·838	29·919	+·051	92·7	58·3	88·1	66·0	77·1	—2·5	83	—3	1·2	—2·3	0·98
	Mozufferpore	Mozufferpore*...	29·860	29·662	29·758	29·892	—	91·3	62·3	88·0	68·6	78·3	—	83	—	1·2	—	0·93
	Durbhunga	Durbhunga ...	29·946	29·698	29·801	29·924	+·027	92·0	63·5	88·2	69·2	78·7	—1·3	80	—5	0·9	—2·3	1·02
	Chumparun	Motihari ...	29·888	29·614	29·723	29·908	+·033	91·2	56·9	88·0	65·9	77·0	—0·7	81	—	2·1	—	3·98
	Sarun	Chupra ...	29·942	29·656	29·774	29·911	+·063	92·3	61·6	89·5	68·7‡	79·2‡	+0·1	77	—	1·7	—	0·34
South Behar.	Shahabad	Dehree ...	29·774	29·483	29·609	29·918	+·043	91·3	60·0	89·4	68·9	79·2	+1·0	72	—	1·1	—	0·50
		Buxar § ...	29·887	29·581	29·718	29·910	+·046	91·4	61·4	89·9	69·6	79·8	—0·3	72	—	1·8	—	1·20
		Arrah ...	29·928	29·639	29·767	29·912	+·055	92·9	60·3	89·6	68·9*	79·3	+0·4	78	—	0·9	—	1·51
	Gya	Gya ...	29·737	29·462	29·583	29·917	+·050	93·4	63·2	90·0	69·8	79·9	—0·3	73	0	4·5	+0·8	1·61
	Patna	Bankipore ...	29·937	29·652	29·774	29·911	+·037	92·0	63·8	88·9	70·6	79·8	—0·7	69	—8	2·0	—1·6	1·72
	South Bhagulpore and Monghyr.	Bhagulpore ...	29·951	29·700	29·790	29·904	+·050	93·7	64·0	89·7	69·8	79·6	+0·5	75	—	1·5	—	0·10
	Sonthal Pergunnahs ...	Naya Doomka	29·609	29·378	29·458	29·909	+·052	91·1	63·0	88·9	69·7	79·3	+0·4	67	—	0	—	0·34
Chuta Nagpur.	Hazaribagh	Hazaribagh ...	28·070	27·852	27·943	29·913	+·042	86·7	60·8	84·3	65·9	75·1	+0·1	65	—7	2·0	—2·0	0·27
	Lohardugga ... ... Manbhoom	Ranchee ...	27·946	27·740	27·818	29·903	+·042	86·0	59·0	82·8	65·5	74·1	—0·2	72	—	3·5	—	0·47
	Singbhoom	Chyebassa ...	29·316	29·095	29·187	29·905	+·057	91·4	63·4*	88·5	68·9*	78·8*	—0·3	80*	—	1·4	—	1·03
Assam	Sibsagar	Sibsagar ...	29·778	29·555	29·616	29·920	+·005	88·6	62·6	84·4	68·3	76·4	—1·7	98	+4	8·8	+1·8	4·45
	Goalpara	Dhubri ...	29·994	29·768	29·849	29·921	+·035	88·7	65·9	84·5	70·3	77·4	—1·8	86	—7	2·3	—0·4	1·20
	Cachar	Silchar ...	29·973	29·777	29·855	29·912	+·040	93·0	65·3	89·0	70·7	79·9	—0·8	89	—1	5·5	—0·1	4·21

* Mean of 30 days. | † Mean of 27 days. | ‡ Mean of 23 days. | § Mean of 26 days. | ‖ Mean of 29 days.

Bengal for the month of October 1891.

DISTRICT OBSERVATIONS.												
RAINFALL.												
Of month.					Since 16th October 1891.					Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
1·94	8·15	−6 24	2·00	8·15	0 28	3·63	−3 3,	0·50	3·35	Pooree ... Gopalpore ... False Point ...	Pooree	ORISSA.
1·08	5 63	−4·55	1·40	6 09	0·12	2·55	−2·43	0 20	2·74	Cuttack ...	Cuttack	
0·99	5·25	−4 26	2 17	5 83	0·05	1·71	−1·66	0·50	2·19	Balasore ...	Balasore	
0 07	7·72	−7·65	0 33	7·07	0·05	3 72	−3 67	0 33	2 68	Saugor Island	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
0·28	4 37	−3·09	1·00	4·65	0·02	1 56	−1·54	0·00	1·46	Midnapore ...	Midnapore	
0·10	4·17	−4 07	0·60	5·58	0·05	1·62	−1 57	0·30	1 81	Calcutta ...	24-Pergunnahs, Howrah and Hooghly.	
0·36	3 97	−3·61	1·60	4·60	0·01	1·66	−1·65	0 00	1 62	Burdwan ...	Burdwan	
1·16	3 46	−2 30	2 00	5·01	0·05	1·34	−1 29	0·25	1·55	Bankoora ..	Bankoora	
1·55	3 46	−1·91	2·50	4·18	0·21	1·28	−1·07	0·75	1·44	Ranigunge ...	West Burdwan and Beerbhoom.	
1·71	4·22	−2·51	2·17	4·94	0·11	1·31	−1 20	0 33	1 27	Berhampore ...	Moorshedabad	
0·73	4 21	−3 48	1·60	5·04	0·07	1·54	−1 47	0 20	1·76	Krishnagore ..	Nuddea	
0·74	4·42	−3·68	0 83	5 46	0·06	1 87	−1·81	0 12	2 00	Jessore ...	Jessore and Khoolna ...	
2·72	6 66	−3 94	4 50	6 75	1·51	2·49	−0 98	1 50	2 53	Chittagong ...	Chittagong	EAST BENGAL.
2·02	7·01	−4·99	4·00	8 25	1·17	2 08	−0·91	1·00	2 ,0	Demagri ..	Chittagong Hill Tracts	
0·77	5·55	−4 78	2 50	6·61	0·12	1 88	−1 76	0 50	2 21	Barrisal ...	Backergunge	
2·80	6 37	−3·57	4·00	7·01	1·26	1·79	−0 53	1·50	2 28	Noakholly ..	Noakholly	
0·96	4·44	−3·48	1·67	5·54	0·05	1·65	−1 60	0 33	2 03	Furreedpore ...	Furreedpore	
0·75	4·45	−3·70	1·75	5·40	0 02	1 70	−1·68	0 00	1·88	Dacca ...	Dacca	
1·94	5·11	−3·17	1·75	6·01	1·35	1 61	−0·26	1 00	1·89	Commillah ...	Tipperah	
2·69	5·41	−2 72	2 20	5·45	0 26	1·90	−1 64	0·40	1·95	Mymensingh ...	Mymensingh	
2 02	4·40	−2 38	2·00	4 69	0·25	1·54	−1·29	0·50	1 14	Bogra ...	Bogra	NORTH BENGAL.
2·29	4·59	−2 30	2·50	5·29	0·02	1 83	−1·81	0 00	1·98	Serajgunge ...	Pubna	
1·41	3·73	−2·32	2 33	4·02	Nil	1·14	−1·14	0 00	1 27	Rampore Beauleah.	Rajshahye	
0·99	3·69	−2 70	1 50	3 89	Nil	1·15	−1·15	0·00	0·83	Maldah ...	Maldah	
1·14	3·55	−2 41	1 80	3·08	Nil	0 80	−0 80	0·00	0 74	Dinagepore ...	Dinagepore	
4·65	4 89	−0·24	2 50	3 77	0·02	1 61	−1 59	0·00	1 13	Rungpore ...	Rungpore	
1 50	5 29	−3 79	2 40	4·66	Nil	1·80	−1 80	0 00	1·49	Julpigoree ...	Julpigoree and Cooch Behar.	
2·08	6·05	−3 97	3·00	5·96	0·60	2 28	−1·68	0·75	1 58	Darjeeling ...	Darjeeling Hill Tracts.	
1 02	3 61	−2 59	1 80	3 24	Nil	1 27	−1 27	0·00	0·85	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
1·09	3·40	−2 31	2 33	2·88	0·06	0·88	−0 82	0 00	0 77	Mozufferpore ...	Mozufferpore	
0·93	2·92	−1 99	1 60	2·77	Nil	0 79	−0 79	0 00	0·72	Durbhunga ...	Durbhunga	
3·69	3 54	+0·15	3·00	2 17	Nil	0 30	−0·30	0 00	0 38	Motihari ...	Chumparun	
1·01	4 21	−3 20	1·67	2·78	0 05	0 68	−0 63	0 00	0·67	Chupra ...	Sarun	
0·83	3 30	−2 47	1 60	2·88	0·04	1·02	−0·98	0 20	1·13	Dehree ... Buxar ... Arrah ..	Shahabad	SOUTH BEHAR.
1 14	2·53	−1·69	2 00	2·83	0 20	0·67	−0 47	0 50	0 94	Gya ...	Gya	
0·96	3 25	−2·29	2 50	3·18	0·13	1·10	−0 97	0·50	1·06	Bankipore ...	Patna	
1·55	3·20	−1 65	2·40	3·41	0·07	1·11	−1·04	0 40	1·03	Bhagulpore ...	South Bhagulpore and Monghyr.	
2·67	3·75	−1·08	2 17	4·23	0·03	1·17	−1 14	0·00	1·11	Naya Doomka...	Sonthal Pergunnahs ...	
0 51	2 97	−2 46	2 20	4 19	Nil	0·63	−0·63	0·20	1 07	Hazaribagh ...	Hazaribagh	CHOTA NAGPUR.
0·24 / 0·35	2·72 / 3 34	−2 48 / −2 99	1·00 / 1·50	4 20 / 4 03	0 06 / 0 24	0 13 / 1·00	−0·07 / −0·76	0·33 / 1 00	1·42 / 1 24	Ranchee ...	Lohardugga ... .. / Manbhoom	
1·32	2·95	−1 63	4 00	4 05	0 06	1 26	−1 20	0·00	1·95	Chyebassa ...	Singbhoom	
										Sibsagar... ... Dhubri ... ... Silchar	Assam ...	ASSAM

Table of Rainfall recorded at stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA	Pooree	Pooree	...	...	...	...	...	...	...	...	0·10	...	...	...	0·90	...	...	...	...	...	...	...
		Khurdah	...	...	...	...	...	...	0·06	...	0·22	0·13	...	...	...	4·26	...	...	...	...	...	...
		Banpur	...	...	...	...	...	...	0·02	...	...	...	...	...	...	0·05	...	...	...	...	...	...
		False Point	...	...	...	...	...	0·04	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gop	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Satpara	...	...	...	...	...	...	...	0·27	0·10	...	0·10	...	...	...	...	...	...	...	...	...
		Pipli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cuttack	Jagatsingpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banki	...	...	...	...	...	...	...	...	1 50	...	...	...	...	...	0·75	...	...	...	...	...
		Cuttack	0·03	...	...	...	...	...	...	...	0·05	...	...	...	...	...	1 75	...	...	...	...	...
		Kendrapara	...	...	...	...	...	...	...	...	...	...	0·01	0·01	0·10	...	...	...	...	...	...	...
		Jaipore	...	...	...	...	...	...	...	0·51	...	...	...	...	...	...	0·61	...	...	...	...	...
		Dharmsalla	...	...	...	...	...	...	0·17	0 18	...	...	...	0·24	...	2·55	...	...	...	...	...	...
		Salipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1·83	...	...	...	...	...
	Balasore	*Akhoyapada*	...	...	...	...	...	...	...	0·25	1 26	0·45	...	...	...	...	0·56	...	...	...	...	...
		Chandbali	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhuddruck	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·58	...	...	...	...	...
		Sorah	...	...	...	...	...	...	0·50	0·40	...	...	...	...	0·20	0·40	...	...	...	...	...	...
		Balasore	...	...	...	...	...	...	...	...	0·02	...	...	...	...	...	0·62	...	...	...	...	...
		Jellasore	...	...	...	...	...	...	...	...	0·90	...	...	...	...	...	0 10	...	...	...	...	...
		Baripodah	...	0·59	...	...	...	...	...	...	...	...	...	...	...	0·72	...	...	...	...	...	...
SOUTH-WEST BENGAL.	Midnapore	Contai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Saugor Island	...	...	...	...	0 04	...	...	...	0·02	...	...	...	...	...	...	...	...	...	...	...
		Tumlook	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Midnapore	...	...	...	0 45	...	0·03	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ghatal	...	...	...	0·21	...	...	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...
		Kukrahaty	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Garbeta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	24-Pergunnahs	Diamond Harbour.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Canning Town	...	...	0·40	...	...	...	0 52	...	...	...	...	...	...	...	...	...	...	...	...	...
		Alipore Jail	...	...	...	...	...	0·06	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrackpore	...	...	...	...	...	...	0·12	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dum-Dum	...	...	...	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baraset	...	...	...	...	...	0 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Buscerhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Howrah	Howrah	...	...	...	...	0·03	0·03	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohesreka (*Ooloobariah*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hooghly	Serampore	—	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hooghly	...	...	...	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Burdwan	Culna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Burdwan	...	...	...	0 35	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Cutwa	...	...	...	0 60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raneegunge	...	...	...	...	0·85	...	...	...	...	...	...	...	0·72	...	...	...	...	...	...	...
		Mankur	...	...	...	0·25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankoora	Bankoora	...	...	0·04	0·01	0·19	...	...	...	...	...	...	...	0·90	...	...	...	...	...	...	...
		Bishenpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Maliara	...	...	...	0·23	0·10	...	...	...	...	...	...	...	0 04.	...	...	...	...	...	...	...
		Khatra	...	...	0·94	...	...	...	...	...	...	...	...	...	...	0·40	1·59	...	...	...	...	...
		Indas	...	...	...	0·70	1 20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kotalpore	...	...	...	1·13	0 51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Anda	...	0·11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gangajalghati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sonamukhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Beerbhoom	Bh. Soory	...	...	0·45	0·55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hetampore	...	...	0·05	0 01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rampore Haut	...	...	...	1·09	0·75	0·29	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bolpur	...	...	...	1·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Murarai	...	...	...	0·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuddea	Ranaghat	0·01	...	...	...	0·27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kishnaghur	...	...	...	0·29	0·82	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chooadanga	0·08	...	...	0·04	0·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Meherpore	...	...	...	0·55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kooshtea	0·43	...	...	0 07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Khoolna	Satkhira	...	...	...	...	...	0 31	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bagirhat	...	...	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Khoolna	...	...	...	0 10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nakipur	...	...	...	...	0·06	...	...	...	0·17	...	...	...	...	...	...	...	...	...	...	...
		Rampal	...	...	0 60	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jessore	Narail	...	...	...	0 02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jessore	...	...	...	...	0·04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jhenidah	...	...	...	...	1·59	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Magoorah	...	...	...	...	2 50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bongong	...	...	...	...	0 40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Moorshedabad	Kandi	...	...	1·05	1·00	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Berhampore	...	...	...	0·54	0·93	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalbagh	...	...	0 23	0 51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Azimgunge	...	...	0·30	1·08	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jungipore	...	...	0·57	2·14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalgola	...	...	0·40	1·70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Akhriganj	...	...	...	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patkabari	...	...	0·45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
EAST BENGAL	Chittagong	Cox's Bazar	...	0 29	...	0·13	0·32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chittagong	...	...	0·14	0·24	1·25	...	...	...	...	...	...	0·05	...	...	...	...	...	...	...	...
		Kutubdia	...	...	...	0·98	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Satkania	...	...	0·09	0·83	0·50	0·19	...	...	...	...	0·15	0·09	...	...	...	...	...	...	...	...
	Chittagong Hill Tracts.	Rangamati	...	...	0·18	0 51	0·36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bandarban	...	...	0·71	...	0·43	0 12	...	...	...	...	...	0·33	...	...	...	...	...	...	...	...

in Bengal for the month of October 1891.

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th October 1891 to 31st October 1891.	Average rainfall from 16th October to 31st October.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	...	...	...	...	2	8·55	1·00	8·81	0·90	Nil	4·54	Pooree ...	Pooree	ORISSA.
...	...	...	...	...	...	...	...	...	...	...	3	8·30	4·67	6·89	4·20	Nil	2·96	Khurdah.		
0·21	...	...	...	...	...	...	...	0·06	...	...	2	7·55	0·94	6·31	0·62	0·27	2·59	Baupur.		
1·12	0·03	...	...	...	...	...	...	...	...	...	1	8·20	1·19	10·70		1·15	4·41	False Point.		
...	...	...	...	...	...	...	...	0·34	...	...		?		?			?	*Gop.*		
...	0·05	...	...	...	...	...	...	...	0·10	...	4	?	0·62	?	0·27	0·15	?	*Salpara.*		
												?		?			?	*Pipli.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	7·22	Nil	6·80	Nil	Nil	2·80	Jagatsingpore	Cuttack.	
...	...	...	...	...	...	...	...	...	...	...	2	6·75	2·25	4·41	1·50	Nil	2·02	Banki.		
...	...	...	...	...	...	...	...	...	...	...	1	6·85	1·83	5·13	1·75	Nil	2·79	Cuttack.		
...	...	...	...	...	...	...	...	...	0·60	...	2	6·6[illegible]	0·72	6·26	0·60	0·60	3·08	Kendrapara.		
...	...	...	...	...	...	...	...	...	...	...	2	6·00	1·12	5·07	0·61	Nil	2·07	Jajpore.		
...	...	...	...	...	...	...	...	...	0·06	...	4	?	3·20	?	2·55	0·06	?	*Dharmsala.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·83	?	1·83	Nil	?	*Salipore.*		
...	...	...	...	...	...	...	...	...	...	...	4	?	2·52	?	1·26	Nil	?	Akhoyapada	Balasore.	
...	...	...	...	...	...	0·32	...	...	0·20	...	2	6·83	0·52	6·46	0·32	0·52	2·14	Chandbali.		
...	...	...	...	...	...	...	...	...	0·30	...	2	5·55	0·88	4·61	0·58	0·30	1·92	Bhuddruck.		
...	...	...	...	...	...	...	...	...	...	...	4	5·24	1·50	5·50	0·50	Nil	1·88	Sorah.		
...	...	...	...	...	...	...	...	...	...	...	1	6·75	0·64	6·11	0·62	Nil	2·47	Balasore.		
...	...	...	...	...	...	...	...	...	...	...	2	5·29	1·01	4·56	0·95	Nil	0·92	Jellasore.		
...	...	...	...	...	...	...	...	...	...	...	2	5·64	1·41	3·93	0·72	Nil	0·95	Baripodah.		
...	...	...	...	...	...	...	...	...	...	...	Nil	6·65	Nil	8·38	Nil	Nil	4·53	Contai	Midnapore ...	SOUTH-WEST BENGAL.
...	0·15	...	...	...	...	...	...	...	...	...	1	8·49	0·21	9·06	0·15	0·15	4·36	Saugor Island		
...	...	...	...	...	...	...	...	...	...	...	Nil	4·00	Nil	4·46	Nil	Nil	2·23	Tumlook.		
...	...	...	...	...	...	...	...	...	...	...	1	5·25	0·48	4·78	0·45	Nil	1·89	Midnapore.		
...	...	...	...	...	...	...	...	0·07	...	...	2	4·71	0·38	3·57	0·21	0·07	0·51	Ghatal		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Kukrahaty.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Garbeta.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	6·15	Nil	5·14	Nil	Nil	2·21	Diamond Harbour.	24-Pergunnahs	
...	...	...	...	...	...	...	...	...	...	...	2	?	0·92	?	0·52	Nil	?	*Canning Town.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	5·90	0·06	4·12	0·06	Nil	1·06	Alipore Jail.		
...	0·10	...	...	...	...	...	...	...	...	...	2	5·35	0·2[illegible]	3·56	0·12	0·10	1·34	Barrackpore.		
...	...	...	...	...	...	...	...	...	...	...	1	5·65	0·16	4·37	0·10	Nil	1·72	Dum-Dum.		
...	0·15	...	...	...	...	...	...	...	...	...	2	5·75	0·25	4·51	0·15	0·15	1·89	Baraset.		
...	...	...	...	...	...	...	...	...	...	...	Nil	6·10	Nil	4·41	Nil	Nil	1·81	Busserhat.		
...	...	...	...	...	...	...	...	...	...	...	Nil	6·35	0·06	4·34	Nil	Nil	1·88	Howrah	Howra	
...	...	...	...	...	...	...	...	...	...	...	Nil	5·13	Nil	3·41	Nil	Nil	0·9[illegible]	Mohesroka		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	(*Ooloobariah*)		
...	0·24	...	...	...	...	...	...	...	...	...	1	5·95	0·24	4·19	0·24	0·24	1·66	Serampore ...	Hooghly.	
...	...	...	...	...	...	...	...	...	...	...	Nil	5·0[illegible]	Nil	4·03	Nil	Nil	1·33	Hooghly.		
...	...	...	...	...	...	...	...	...	...	...	Nil	4·63	0·02	4·40	Nil	Nil	1·70	Jehanabad.		
...	...	...	...	...	...	...	...	...	...	...	Nil	4·15	Nil	3·92	0·02	Nil	1·39	Culna ...	Burdwan.	
...	...	...	...	...	...	...	...	0·03	...	...	2	4·25	0·48	3·65	0·35	0·03	1·87	Burdwan		
...	...	...	...	...	...	...	...	...	...	...	1	5·10	0·60	4·04	0·60	Nil	1·78	Cutwa.		
...	...	...	...	...	...	...	...	0·05	0·23	...	3	4·00	1·85	3·41	0·85	0·28	1·22	Raneegunge.		
...	...	...	...	...	...	...	...	...	0·15	...	2	?	0·40	?	0·25	0·15	?	*Mankur.*		
...	...	...	...	...	...	...	...	...	...	...	2	5·50	1·14	4·15	0·90	Nil	1·74	Bankoora	Bankoora.	
...	...	...	...	...	...	...	...	...	...	...	Nil	4·73	Nil	2·71	Nil	Nil	1·14	Bishenpore.		
...	...	...	...	...	...	...	...	...	0·18	...	3	4·73	0·55	3·27	0·23	0·18	1·3[illegible]	Malara.		
...	...	...	...	...	...	...	...	...	...	...	3	6·09	2·93	3·71	1·50	Nil	1·13	Khatra.		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·90	?	1·20	Nil	?	Indas.		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·61	?	1·13	Nil	?	Kotalpore.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·11	?	0·11	Nil	?	Anda.		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	Gangajalghati		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Raipore.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Sonamukhi.*		
...	...	...	...	...	...	...	...	...	0·02	...	2	4·55	1·02	3·67	0·55	0·02	1·66	Bh. Soory	Beerbhoom	
...	...	...	...	...	...	...	0·05	0·35	...	...	1	3·87	0·40	2·87	0·35	0·40	0·70	Hetampore.		
...	...	...	...	...	...	...	...	0·11	0·03	...	4	4·29	2·87	3·88	1·60	0·14	1·52	Rampore Haut		
...	...	...	...	...	...	...	...	...	0·35	...	2	?	1·55	?	1·20	0·35	?	*Bolpur*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·91	?	0·91	Nil	?	*Mururai.*		
...	0·02	...	...	...	...	...	...	...	...	...	1	4·80	0·30	3·78	0·27	0·02	1·42	Rangahat ...	Nuddea.	
...	...	...	...	...	...	...	...	...	...	...	2	5·30	1·11	4·19	0·82	Nil	0·98	Kishnaghar.		
...	0·31	...	...	...	...	...	...	...	...	...	3	4·[illegible]5	1·21	4·3[illegible]	0·64	0·31	1·05	Choodanga.		
...	...	...	...	...	...	...	...	...	...	...	1	4·65	0·55	3·68	0·55	Nil	1·45	Meherpore.		
...	...	...	...	...	...	...	...	...	...	...	1	5·50	0·50	4·99	0·43	Nil	2·20	Kooshtea.		
...	...	...	...	...	...	...	...	...	...	...	1	5·9[illegible]	0·31	4·70	0·31	Nil	1·72	Satkhira	Khoolna	
...	0·34	...	...	...	...	...	...	...	...	...	2	5·05	0·84	5·25	0·50	0·34	2·34	Bagirhat.		
...	...	...	...	...	...	...	...	...	...	...	1	6·00	0·10	4·21	0·10	Nil	1·86	Khoolna.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·23	?	0·17	Nil	?	*Nakipur.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·70	?	0·60	Nil	?	*Rampal.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	5·32	0·02	3·62	0·02	Nil	1·89	Narai	Jessore.	
...	...	...	...	...	...	...	...	...	0·06	...	Nil	5·85	0·10	4·38	0·06	0·06	2·12	Jessore.		
...	...	...	...	...	...	...	...	...	0·04	...	1	5·53	1·63	4·83	1·59	0·04	1·8[illegible]	Jhenidah.		
...	...	...	...	...	...	...	...	...	...	...	1	4·89	2·50	3·8[illegible]	2·50	Nil	1·38	Magoorah.		
...	0·03	...	...	...	...	...	...	...	...	...	1	5·15	0·43	4·56	0·40	0·03	1·82	Bongong.		
...	...	...	...	...	...	...	...	...	...	...	2	4·67	2·05	3·93	1·05	Nil	1·04	Kandi ...	Moorshedabad.	
...	...	...	...	...	...	...	...	...	...	...	1	5·41	0·54	4·18	0·54	Nil	1·36	Berhampore.		
...	...	...	...	...	...	...	...	...	0·10	...	3	5·46	0·84	4·53	0·51	0·10	1·14	Lalbagh.		
...	...	...	...	...	...	...	...	0·06	0·50	...	3	5·24	1·04	4·71	1·05	0·56	1·26	Azimgunge.		
...	...	...	...	...	...	...	...	...	...	...	2	4·21	2·71	3·31	2·14	Nil	1·46	Jungipore.		
...	...	...	...	...	...	...	...	...	...	...	2	4·59	2·10	4·37	1·70	Nil	1·02	Lalgola.		
...	...	...	...	...	...	...	...	...	0·92	...	2	?	1·12	?	0·92	0·92	?	*Akhrigunj.*		
...	...	...	...	...	...	...	...	...	0·70	...	2	?	1·15	?	0·70	0·70	?	*Patkabari.*		
2·45	0·34	0·03	...	...	...	...	...	...	...	...	5	6·85	3·52	7·72	2·45	2·78	3·24	Cox's Bazar	Chittagong	EAST BENGAL.
0·15	0·08	0·01	...	...	...	...	...	...	...	...	4	6·65	1·92	5·00	1·25	0·24	1·73	Chittagong.		
0·71	0·07	...	...	...	...	...	...	...	...	...	2	?	1·74	?	0·96	0·78	?	*Kutubdia.*		
0·65	0·09	...	...	...	...	...	...	...	...	...	5	?	2·59	?	0·83	0·74	?	*Satkania.*		
1·08	0·09	...	...	...	...	...	...	...	...	...	4	8·25	2·02	7·01	1·08	1·17	2·08	Rangamati ...	Chittagong Hill Tracts.	
0·84	0·04	...	...	...	...	...	...	...	...	...	5	?	2·47	?	0·84	0·88	?	*Bandarban* ...		

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL—*concld.*	Backergunge...	Patuakhally ...	...	...	...	0·45	...	0·32	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ferozepore ...	...	...	...	...	...	0·40	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Burrisal ...	...	...	...		0·16	0·48	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhola ...	...	...	...	0·10		0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gournaddi ...	...	...	...		0·11		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bauphal ...	...	...	...	0·73	0·28	0·78	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Noakholly ...	Noakholly ...	...	...	0·30	0·85	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Fenny ...	...	...	0·30	1·30		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Harishpore ...	...	1·15	0·50	2·25	0·70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ramganj ..	...	...	...	0·23	3·55	...		...	...	...	...	...	...	...	...	...	...	...	...	...
	Furreedpore ..	Madaripore ...	...	...		0·43			...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Furreedpore .	...	...	...		1·40	0·42	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Goalundo ..	...	...	...	0·05	0·42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dacca ...	Munshigunge	...	...	...	...	0·19	0·14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dacca .	...	...			0·18		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Narainganuge	...	...	0·07		0·63	0·76	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Manickgunge	...	...	...	0·40	0·04	0·40		...	...	...	...	...	...	...	...	...	...	...	...	...
		Joydebpore ...	...	...	...	0·13	4·80	0·05	0·23	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	Agartola ...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...
	Tipperah ..	Comilla ..	...	...	0·04	0·49	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chandpore ...	...	...	...			...	...		...	...	...	...	...	...	...	...	...	...	...	...
		Brahmanberia	...	...		1·65	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ramchandrapore.	...	...	...	0·11	2·59	0·22	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nasirnagar .	...	...	...	1·20	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dandkandi ...	...	...	...			...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kasba ..	...		0·07	0·13	0·25	0·04	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Laksham ..	...	0·60	1·10		...	...	...		...	...	...	...	...	...	...	...	...	...	...	...
	Mymensingh	Kishoregunge	...	...	...	0·83	2·60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Atia (*Tangail*)	...	...	...	0·41				...	...	...	...	...	...	...	...	...	...	...	...	...
		Mymensingh	...	...	...	0·45	2·77	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamalpore ..	...	...		1·19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Netrokona .	...	...	0·56	3·05	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Subornakhali		...	...	1·40	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...
		Durgapore	1·97	...	...	2·70	...	...			...	...	...	...	...	...	...	...	...	...	...	...
		Sherpore Town	...	...	...	1·28	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dewanganj ..		...	4·37	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
NORTH BENGAL.	Pubna ..	Pubna ...	0·87	...	...	0·30	0·16		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Serajgunge .	...	...	...	3·45	0·02	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bogra ..	Sherpore ...	...	...	...	1·29	0·51	...	...	...		...	...	...	...	...	...	...	...	...	...	...
		Nowkhilia ...	0·19	...	...	0·42	1·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bogra ...	...	...		1·00	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...
		Panchbibi ...	...	...	0·41	1·90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·15
	Rajshahye ..	Beauleah ...	...	...	...	1·90	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nattore ..	...	...	...	1·60	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Naogaon ..	...	0·11		0·22	0·12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalpore ...	...		1·20		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Manda ..	...	0·38	0·20	0·40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maldah ...	Maldah ..			0·37	0·79	0·01	...	...		...	...	...	...	...	...	...	...	...	...	...	...
		Chanchal ..		...	0·75		0·07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gajol ..	...	...	0·07	2·00	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sibganj ...		...		2·52	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dinagepore .	Mohadebpore	...	...	0·10	0·87	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Churamon ..	...	...	1·25		0·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raigunge .				...	0·80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinagepore ..		...	0·27	...	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Balooghat			0·72	1·57		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Thakurgaon..	...	1·16	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rungpore ..	Bhowanigunge (*Gybanda*).	...	...	0·62	2·60	0·14	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rungpore .	...	...	5·25	5·15	0·06		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kurigram	...		0·90	0·24	...	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bagdogra (*Nilphamari*)	...	0·08	0·11		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ulipore .	...	...	4·62	2·95	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Julpigoree ..	Julpigoree	...	1·33	0·08		0·02	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Alipore Doar	...	0·93	...	0·18		1·29	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Falacotta .	...	1·15		0·20	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...
		Debganj	...	2·35		0·50	...	...	...			...	...	...	...	...	...	...	...	...	...	...
		Bhagulpore (*Nagrakatta*).	...	3·00	0·04	0·17	...	...	0·41		0·78	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar .	Dinhatta	0·06	0·29	0·59	0·03	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Cooch Behar .	0·16	0·13	...	0·14	...	0·24			...	...	...	...	...	...	...	...	...	...	...	...
		Mekligunge	...	2·50	...	0·08	...				...	...	...	...	...	...	...	...	...	...	...	...
		Matabhanga	0·20	0·35	0·15	0·10	...	...			...	...	...	...	...	...	...	...	...	...	...	...
	Darjeeling Hills	Buxa ..	0·82	1·00	0·02	0·85	0·06	0·06	0·34		0·15	...	...	...	...	...	...	...	...	...	...	...
		Siliguri ..		0·25		1·20	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Darjeeling ..	0·04	0·77	0·03		0·18	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Kalimpong		0·06	0·23	0·04	...			...	...	...	...	...	...	...	...	...	...	...	...	...
		Kurseong ...	0·21	0·57	0·41	0·61	...	0·14	...	...		...	...	...	...	...	...	...	...	...	...	...
NORTH BEHAR	Purneah ..	Kissengunge		0·04		0·07	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arrareah ..	...	1·12	0·09	0·75		0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Purneah ...			0·53	0·21	0·04		...		...	...	...	...	...	...	...	...	...	...	...	...
		Goodwara .	...	...	1·62		...	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Hoomampore			...	...	...	...		...		...	...	...	...	...	...	...	...	...	...	...
		Matiari ..	0·10	0·20	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kaliaganj ..	...	0·50	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	North Bhagulpore.	Madhipore .		0·41	0·18	0·39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Soopool .			1·12	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...
		Pratabganj .	...	...	0·33	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...

...n Bengal for the month of October 1891—*continued.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th October 1891 to 31st October 1891.	Average rainfall from 16th October to 31st October.	District.	Station.	Meteorological division.
0·07	0·14	...	...	...	...	...	...	...	...	...	4	7·33	1·48	5·99	0 50	0·21	1·89	Patuakhally ...	Backergunge.	EAST BENGAL —*concld.*
...	...	...	...	...	...	...	...	...	...	...	1	6·31	0·49	5·75	0 49	Nil	2·04	Perozepore.		
0·05	0·06	...	...	...	...	...	...	...	...	...	2	5·91	0·75	4·98	0 48	0 11	1·93	Burrisal.		
0·15	...	...	...	...	...	...	...	...	...	...	3	6·92	0·35	5·49	0·15	0·15	1·66	Bhola.		
0·32	0·14	...	...	...	...	...	...	...	...	...	3	?	0·77	?	0·52	0·66	?	*Gournaddi.*		
0·11	0 70	...	...	...	...	...	...	...	...	...	5	?	2·60	?	0 76	0·81	?	*Bauphal.*		
1·82	0·05	...	...	...	...	...	...	...	...	...	4	6·95	3·14	6·80	1·82	1·87	2·00	Noakholly ...	Noakholly.	
0·50	0·15	...	...	...	...	...	...	...	...	...	4	7·07	2·45	5·88	1·50	0 65	1 57	Fenny.		
0·02	...	...	...	...	...	...	...	...	...	...	4	?	4·62	?	2·25	0·02	?	*Harishpore.*		
...	0·11	...	...	...	...	...	...	...	...	...	3	?	3·99	?	3·05	0·11	?	*Ramganj.*		
...	0·13	...	...	...	...	...	...	...	...	...	2	5·99	0 56	4·18	0 43	0·13	1·35	Madaripore ...	Furreedpore.	
...	...	...	...	...	...	...	...	...	...	...	2	5 30	1·82	4 30	1·41	Nil	1·83	Furreedpore.		
...	0·03	...	...	...	...	...	...	...	...	...	1	5·42	0·50	4·83	0·42	0·03	1·76	Goalundo.		
...	0·08	...	...	...	...	...	...	...	...	...	2	5 67	0·41	5 46	0·19	0·08	1·96	Munshigunge	Dacca.	
...	...	...	...	...	...	...	...	...	...	...	1	6 20	0 18	3·95	0·18	Nil	1 11	Dacca.		
...	...	...	...	...	...	...	...	...	...	...	2	5 00	1·46	4·45	0·76	Nil	2·17	Naraingunge.		
...	...	...	...	...	...	...	...	...	...	...	2	4·72	0·94	3 95	0·50	Nil	1·56	Manickgunge.		
...	...	...	...	...	...	...	...	...	...	...	3	?	5 21	?	4·80	Nil	?	*Joydebpore.*		
2 01	0·30	...	...	...	...	...	...	...	...	...	2	6·05	2·30	5·30	2·00	2·30	2·20	Agartala ..	Hill Tipperah.	
1 88	...	...	...	...	...	...	...	...	...	...	2	5·72	2·32	4·21	1·88	1·88	1·17	Comilla	Tipperah.	
...	...	...	...	...	...	...	...	...	...	...	Nil	6·58	Nil	6·14	Nil	Nil	1·44	Chandpore.		
1·40	...	...	...	...	...	...	...	...	...	...	3	5 70	3·15	4 76	1·65	1·40	1·61	Brahmunberia.		
0·48	...	...	...	...	...	...	...	...	...	...	4	?	2·80	?	2·09	0·48	?	*Ramchandrapore.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·30	?	1·20	Nil	?	*Nasirnagar.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Daudkandi.*		
1·35	0·02	...	...	...	...	...	...	...	...	...	3	?	1·91	?	1·35	1·37	?	*Kasba.*		
...	0·85	...	...	...	...	...	...	...	...	...	3	?	2·55	?	1·10	0 85	?	*Laksham.*		
...	...	...	...	...	...	...	...	...	...	...	2	6·40	3·49	5·30	2·66	Nil	1·38	Kishoregunge	Mymensingh.	
...	...	...	...	...	...	...	...	...	...	...	1	4 90	0 41	4·97	0·41	Nil	1·80	Atia (*Tangail*)		
...	0·19	...	...	...	...	...	...	...	...	...	3	5·50	3·46	5 69	2·77	0·19	2·16	Mymensingh.		
...	1·10	...	...	...	...	...	...	...	...	...	2	4·80	2 29	5 03	1·19	1·10	1·86	Jamalpore.		
...	...	...	...	...	...	...	...	...	...	...	3	5·63	3 76	6 06	3·05	Nil	2 19	Netrokona.		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·10	?	1·10	Nil	?	*Subornakhally.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	4 67	?	2·70	Nil	?	*Durgapore*		
...	...	...	...	...	...	...	...	...	...	...	1	?	1 28	?	1·28	Nil	?	*Sherepore Town*		
...	...	...	...	...	...	...	...	...	...	...	1	?	4·57	?	4·57	Nil	?	*Dewanganj.*		
...	...	...	...	...	...	...	...	...	...	...	3	5·35	1·03	4·80	0·57	Nil	1·74	Pubna ...	Pubna ...	NORTH BENGAL.
...	...	...	...	...	...	...	0·03	...	...	...	1	5·05	3·52	4 38	3·40	0·03	1 91	Serajgunge.		
...	...	...	...	...	...	...	0·85	...	...	...	3	4·79	2·65	4·18	1·29	0·85	1·64	Sherpore	Bogra.	
...	...	...	...	...	...	...	...	...	...	...	3	4·79	1·95	5·12	1·50	Nil	1 76	Nowkhilla.		
...	...	...	...	...	...	...	...	...	...	...	1	4·70	1·00	3·98	1·00	Nil	1·59	Bogra.		
...	...	...	...	...	...	...	...	...	...	...	3	4·50	2·46	4 31	1·90	0·15	1·18	Panchbibi.		
...	...	...	...	...	...	...	...	...	...	...	2	5·30	2·07	4·44	1·90	Nil	1·37	Beauleah	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	...	2	5·05	1·70	4·46	1·60	Nil	1 62	Nattore.		
...	...	...	...	...	...	...	...	...	...	...	3	3·50	0·45	2 29	0·22	Nil	0·44	*Naogaon.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	1 29	?	1 29	Nil	?	*Lalpore.*		
...	...	...	...	...	...	...	...	...	...	...	3	?	0 48		0·40	Nil	?	*Manda.*		
...	...	...	...	...	...	...	...	...	...	...	2	4·35	1·15	4·38	0·79	Nil	1·64	Maldah	Maldah.	
...	...	...	...	...	...	...	...	...	...	...	1	3 43	0·82	3·00	0·75	Nil	0·66	Chanchal.		
...	...	...	...	...	...	...	...	...	...	...	1	?	2·42	?	2·30	Nil	?	*Gajol.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	2·57	?	2 52	Nil	?	*Sibganj.*		
...	...	...	...	...	...	...	...	...	...	...	2	4·50	0·97	3·04	0·87	Nil	0·79	Mohadebpore .	Dinagepore.	
...	...	...	...	...	...	...	...	...	...	...	3	3·45	1·44	2·42	1·26	Nil	0·55	Churamon.		
...	...	...	...	...	...	...	...	...	...	...	1	3 79	0·80	3·78	0·80	Nil	0·42	Raigunge.		
...	...	...	...	...	...	...	...	...	...	...	2	3 20	0·62	5·13	0·35	Nil	1 91	Dinagepore.		
...	...	...	...	...	...	...	...	...	...	...	2	3·44	1·89	3 40	1·17	Nil	0 79	Baloorghat		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·33	?	1·16	Nil	?	*Thakurgaon.*		
...	...	...	...	...	...	0·08	...	...	...	...	4	3 47	3 64	5·12	2·60	0·08	1·64	Bhawanigunge (*Gyabanda*).	Rungpore.	
...	...	...	...	...	...	...	...	...	...	...	2	3·05	10·46	5 32	5·25	Nil	2·64	Rungpore.		
...	...	...	...	...	...	...	...	...	...	...	3	3 24	4·23	4 41	3·99	Nil	1 00	Kurigram.		
...	...	...	...	...	...	...	...	...	...	...	1	3 54	0·19	4 69	0·11	Nil	1·17	Bagdogra. (*Nilphamari.*)		
...	...	...	...	...	...	0·48	...	...	...	...	3	?	8·06	?	4·62	0·48	?	*Ulipore.*		
...	...	...	...	...	...	...	...	...	...	...	1	4·80	1·48	6·60	1·33	Nil	2 75	Julpigoree ...	Julpigoree.	
...	...	...	...	...	...	...	...	...	...	...	3	?	2·40	?	1·29	Nil	?	*Alipore Doar.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	1·40	?	1·15	Nil	?	*Falacotta.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	2·85	?	2·35	Nil	?	*Dobiganj.*		
...	...	...	...	0·12	0·05	...	0·26	0·32	...	...	8	?	6·64	?	3·70	1·55	?	*Bhogolpore (Nagrakatta.)*		
...	...	...	...	...	...	...	...	...	...	...	2	5·00	0·97	5 14	0·59	Nil	1·60	Dinhatta	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	...	4	4·21	1·76	5·43	0·94	Nil	1·68	Cooch Behar...		
...	...	...	...	...	...	...	...	...	...	...	1	4·45	2·47	3 07	2·39	Nil	1·48	Mickligunge.		
...	...	...	...	...	...	...	...	...	...	...	4	4·82	0·89	6 30	0·56	Nil	1·57	Matabhanga.		
...	...	...	...	...	1·28	...	...	0·57	...	...	7	8·95	5·17	10·21	1·28	Nil	4·00	Buxa	Darjeeling.	
...	...	...	...	0·03	...	...	...	0·03	...	...	2	5 50	1·45	4 34	1 20	1·85	0 57	Siliguri		
...	...	...	...	0·08	0·36	...	...	0·03	...	...	1	5·25	0·88	6·36	0·63	Nil	4·14	Darjeeling.		
...	...	...	...	...	...	...	...	...	...	...	2	4·13	0·80	2·67	0·36	0·06	0·32	Kalimpong.		
...	...	...	...	...	...	...	...	...	...	...	5	?	1·94	?	0·61	0·47	?	Kurseong.		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·32	0·11	3·36	0·07	Nil	1·15	Kissengunge ..	Purneah ...	NORTH BEHAR.
...	...	...	...	...	...	...	...	...	...	...	3	2·79	1·62	3·53	1·12	Nil	1·21	Arrareah.		
...	...	...	...	...	...	...	...	...	...	...	2	3 50	0·98	3·97	0·73	Nil	1·62	Purneah.		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·62	?	1·62	Nil	?	*Gondwara.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Balarampore*		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·30	?	0·20	Nil	?	*Matiari.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·55	?	0·50	Nil	?	*Kaliaganj.*		
...	...	...	...	...	...	...	...	...	...	...	3	3 81	0·81	4·31	0·44	Nil	1·38	Maddapore .	North Bhagulpore.	
...	...	...	...	...	...	...	...	...	...	...	1	2·79	1·82	2 88	1·62	Nil	1·01	Soopool.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·33	?	0·33	Nil	?	*Protabganj.*		

Table of Rainfall recorded at Stations i

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	2(
NORTH BEHAR —concld.	Durbhunga ...	Tajpore ...	...	...	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durbhunga ...	...	0·03	0·09	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Madhubani ...	...	0·90	0·69	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bahera ...	...	0·45	0·07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Roshera ...	...	...	0·17	0·33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mozufferpore	Sitamarhi ...	...	2·02	0·42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mozufferpore	...	0·12	0·11		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hajipore ...	...	0·22	0·29		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Paru ...	...	0·50		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahua ...	...		0·13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sinhar ...	...	1·46	0·70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pupri ...	...	...	0·21	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chumparun ...	Motihari ...	0·84	1·85	1·29	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bettiah ...	0·57	2·13	0·39	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bagaha ...	1·50	1·95	2·55	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Burhurwa ...	0·37	1·30	0·43	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sarun ...	Gopalgunge ...	0·43	1·35	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sewan ...	0·51	0·19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chupra ...	...	...	0·38	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH BEHAR	Shahabad ...	Buxar ...	...	0·46	0·51	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dehree ...	...	...	0·44	0·06	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhuboosh ...	...	0·06	0·40	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sasseram ...		...	0·77	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Arrah ...	0·23	0·98	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohaniah ...				...	...		...		...	...	...	...	...	...	...	...	...	...	...	...
	Gya ...	Aurungabad ...	...	...	0·36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gya ...	...	1·02	0·06	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nowadah ...	...	0·33	...		...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad ...	...	0·72	1·00	0·27	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arwal ...	...	...	2·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudnagar ...	...	...	0·32		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheerghati ...	...		1·30	...		...	0·07	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajauli ...	...	0·12	0·63	0·11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pakri Barawan.	...	...	1·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patna ...	Patna ...	...	0·10	0·15	1·26	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinapore ...	...	0·10	0·20		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Behar ...	...	...	1·03	0·07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrh ...	...	...	0·20		0·17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bickram ...	...	0·08	1·51	0·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hilsa ...				...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr ...	Begooserai ...	...	...	0·31	0·25	1·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr ...	...	...	2·50	...	1·70	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamui ...	...	0·21	0·12	0·47	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Gogri ...	...	...	2·87	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheikpura ...	...	...	0·30	...	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Bhagulpore.	Bhagulpore ...	...	...	0·04	0·06	0·09	...	...	...	...	...	...	0·05	...	...	...	...	...	...	...	...
		Banka ...	...	...	0·13	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kolgong ...	...	...	0·24	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bongaon ...	...	...	...	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Southal Pergunnahs.	Rajmehal ...	...	...	1·40	2·98	0·11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Godda ...	...	...	0·17	1·15	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pakour ...	...	...	1·18	4·11	1·61	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nya Doomka	...	...	...	...	0·32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Deoghur ...	...	...	...	0·73	0·13	...		...	...	...	0·05	...	...	...	...	...	...	...	...	...
		Jamtara ...	...	...	0·51	...	...	...	...	...	...	...	...	...	1·30	...	...	...	...	...	...	...
		Mohagama ...				...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nanihat ...	...	...	...	0·45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (Giridi).	...	...	...	...	0·12	...	...	...	...	...	0·09	...	...	...	...	...	...	...	...	...
		Hazaribagh ...	...	0·10	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Semtagurah ...	0·33	...	...	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahudi Hills																				
		Jhoomrah Hills	0·60	...	0·10	...	...	...		...		0·20	...	...	...	...	...	...	...	...	...	...
		Barhi ...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chatra ...	...	...	0·60	0·11		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Karagdeha ...	...	...	...	...	...	...		...	...	...	0·33	...	...	...	...	...	...	...	...	...
		Ramghar ...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lohardugga ...	Lohardugga ...	...	0·38		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ranchi ...	...	...	0·13	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...
		Palamow ...	...	0·07	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Silli ...	...	0·10		...	0·10	...		...	0·05	...	...	...	...	...	...	...	...	...	...	...
		Balumat ...	...	0·42	0·61	...	...	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hoseinabad ...	...	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Garwah ...	...	...	1·68	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Singbhoom ...	Chybassa ...	0·25	0·65	...	...	...	...	...	0·20	...	...	0·15	...	...	...	...	...	...	...	...	...
		Chakradharpore.																				
		Ghatsila ...	...	...	...	0·20		...	...	...	0·48	...	...	...	...	0·20	...	...	...	...	...	...
		Baharagura ...	...	...	...	...	...	...	...	...	0·35	...	...	...	...	...	0·19	...	...	...	...	...
	Manbhoom ...	Purulia ...	...	...	...	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gobindpore ...	...		0·08	0·21			...	...	...	...	...	0·02	...	...	...	...	...	...	...	...
		Raghunathpore.	...	...	...	0·16				...	...	...	...	...	0·83	...	...	...	...	...	...	...
		Barrabhoom ...	...		...	0·23	...		...	...	0·15	...	...	...	...	...	0·30	...	...	...	...	...
		Jhalda ...	...	...	...	0·30	...	...	...	...	...	...	...	...	0·10	...	...	...	...	...	...	...
		Chas ...	...	...	...	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Bengal for the month of October 1891—*concluded.*

21	22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th October 1891 to 31st October 1891.	Average rainfall from 16th October to 31st October.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	...	...	...	...	1	2·58	0·17	3·10	0·17	Nil	0·80	Tajpore ...	Durbhunga ...	NORTH BEHAR—*concld.*
...	...	...	...	...	...	...	...	...	...	...	1	3·00	1·02	2·99	0·99	Nil	0·83	Durbhunga.		
...	...	...	...	...	...	...	...	...	...	...	2	2·74	1·50	2·63	0·90	Nil	0·75	Madhubani.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·32	?	0·45	Nil	?	*Bahera.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·50	?	0·33	Nil	?	*Roshera.*		
...	...	...	...	...	...	...	...	...	...	...	2	2·42	2·44	2·74	2·03	Nil	0·64	Sitamarhi	Mozufferpore	
...	...	...	...	...	...	...	...	...	...	...	2	2·95	0·23	3·47	0·12	Nil	1·27	Mozufferpore		
...	...	...	...	0·17	...	...	...	...	...	...	3	3·26	0·59	3·98	0·22	0·17	0·72	Hajipore.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·50	?	0·50	Nil	?	*Paru.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·13	?	0·13	Nil	?	*Mahua.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	2·16	?	1·46	Nil	?	*Sinhar.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·21	?	0·21	Nil	?	*Pupri.*		
...	...	...	...	...	...	...	...	...	...	...	3	2·39	3·98	3·49	1·85	Nil	0·37	Motihari ...	Chumparun.	
...	...	...	...	...	...	...	...	...	...	...	3	1·95	3·39	3·58	2·41	Nil	0·23	Bettiah.		
...	...	...	...	...	...	...	...	...	...	...	3	?	9·00	?	4·05	Nil	?	*Bagaha.*		
...	...	...	...	...	...	...	...	...	...	...	3	?	2·10	?	1·30	Nil	?	*Burhurwa.*		
...	...	...	...	0·07	...	...	...	...	...	...	2	2·58	1·87	5·01	1·35	0·07	0·12	Gopalgunge ..	Sarun.	
...	...	...	0·09	...	...	...	...	...	...	...	2	2·85	0·79	4·02	0·51	0·09	1·07	Sewan.		
...	...	...	...	...	...	...	...	...	...	...	1	2·90	0·38	3·65	0·38	Nil	0·84	Chuprah.		
...	...	...	...	...	0·18	...	...	...	...	...	3	3·00	1·20	3·35	0·51	0·18	1·11	Buxar ...	Shahabad ..	SOUTH BEHAR.
...	...	...	...	...	...	...	...	...	...	...	1	2·75	0·59	2·89	0·44	Nil	0·93	Dehree.		
...	...	...	...	...	...	...	...	...	...	...	1	2·05	0·40	3·28	0·40	Nil	1·08	Bhuboosh.		
...	...	...	...	...	...	...	...	...	...	...	1	2·90	0·77	3·68	0·77	Nil	1·19	Sasseram.		
...	...	...	...	...	...	...	...	...	...	...	2	3·70	1·21	3·28	0·98	Nil	0·86	Arrah.		
...	...	...	...	...	...	...	...	...	...	...		?		?			?	*Mohaniah.*		
...	...	...	...	...	...	...	...	...	...	...	1	2·68	0·36	2·75	0·36	Nil	0·48	Aurungabad	Gya	
...	...	...	...	...	...	...	...	0·32	0·41	...	3	2·75	1·84	2·36	1·02	0·73	0·84	Gya.		
...	...	...	...	...	...	...	...	0·07	...	...	1	2·85	0·40	2·67	0·33	0·07	0·75	Nowadah.		
...	...	...	...	...	...	...	...	...	...	...	3	3·24	1·99	3·55	1·00	Nil	0·67	Jehanabad.		
...	...	...	...	...	...	...	...	...	...	...	1	?	2·10	?	2·10	Nil	?	*Arwal.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·32	?	0·32	Nil	?	*Daudnagar.*		
...	...	...	...	...	...	...	...	...	0·26	...	2	?	1·63	?	1·39	0·26	?	*Sheerghati.*		
...	...	...	...	...	...	...	...	...	...	...	3	?	0·86	?	0·63	Nil	?	*Rajauli.*		
...	...	...	...	...	...	...	...	...	...	0·03	1	?	1·13	?	1·10	0·03	?	*Pakri Barawan.*		
...	...	...	...	0·21	...	...	...	...	...	...	4	3·05	1·72	3·33	1·26	0·21	1·09	Patna	Patna.	
...	...	...	...	0·10	...	...	...	...	...	...	3	3·39	0·40	3·26	0·21	0·10	1·03	Dinapore.		
...	...	...	...	0·03	...	...	...	0·03	...	...	1	3·40	1·16	3·22	1·03	0·06	1·14	Behar.		
...	...	...	...	0·07	...	...	...	...	0·06	...	2	2·95	0·50	3·18	0·20	0·13	1·13	Barrh.		
...	...	...	...	...	...	...	...	...	...	...	3	?	2·37	?	1·51	Nil	?	*Bickram.*		
...	...	...	...	...	...	...	...	0·41	...	...		?		?		0·41	?	*Hilsa.*		
...	...	...	...	...	...	...	...	...	0·05	...	3	3·35	1·71	3·17	1·10	0·05	1·24	Begooserai .	Monghyr.	
...	...	...	...	...	...	...	...	...	...	...	2	3·25	4·26	3·52	2·55	Nil	1·25	Monghyr.		
...	...	...	...	...	...	...	...	...	0·10	...	4	3·35	0·95	2·61	0·47	0·10	0·70	Jamui		
...	...	...	...	...	...	...	...	...	...	...	1	?	2·87	?	2·87	Nil	?	*Gogri.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·50	?	0·35	Nil	?	*Sheikpura.*		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·15	0·19	3·29	0·09	Nil	0·88	Bhagulpore .	South Bhagulpore.	
...	...	...	...	...	...	...	...	...	0·18	...	3	3·95	0·60	3·45	0·30	0·18	1·41	Banka.		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·24	?	0·24	Nil	?	*Kolgong.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·15	?	0·15	Nil	?	*Bongaon.*		
...	...	...	...	...	...	...	...	...	...	...	3	3·37	4·55	3·31	2·98	Nil	1·11	Rajmehal ..	Sonthal Pergunnahs	
...	...	...	...	...	...	...	...	...	0·08	...	2	3·78	1·45	5·07	1·15	0·08	0·98	Godda.		
...	...	...	...	...	...	...	...	...	0·03	...	3	5·14	6·95	4·51	4·11	0·03	0·98	Pakour.		
...	...	...	...	...	...	...	...	...	0·02	...	1	4·80	0·34	4·08	0·32	0·02	1·54	Nya Doomka		
...	...	...	...	...	...	...	...	...	0·06	...	2	4·40	0·97	4·33	0·73	0·06	1·75	Deoghur.		
...	...	...	...	...	...	...	...	...	...	...	2	3·94	1·81	3·22	1·30	Nil	0·83	Jamtara		
...	...	...	...	...	...	...	...	...	...	...		?		?			?	*Mohagama.*		
...	...	...	...	...	...	...	...	1·15	...	...	2	?	1·69	?	1·15	1·15	?	*Nunihat*		
...	...	...	...	...	...	...	...	...	...	...	1	3·96	0·21	3·16	0·12	Nil	1·02	Pachamba ... (*Giridi*).	Hazaribagh ...	CHUTIA NAGPUR.
...	...	...	...	...	...	...	...	...	...	...	2	4·50	0·27	3·26	0·17	Nil	0·86	Hazaribagh.		
...	...	...	...	...	...	...	...	...	...	...	2	4·67	0·43	2·96	0·23	Nil	0·32	Semtagurah.		
												3·50		2·55			0·27	Mahudi Hills.		
...	...	...	...	...	...	...	...	0·50	...	...	4	4·40	1·40	2·93	0·60	0·50	0·69	Jhoomrah Hills		
...	...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Barhi.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·71	?	0·63	Nil	?	*Chatra.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·35	?	0·34	Nil	?	*Karagdeha.*		
...	...	...	...	...	...	...	0·15	...	...	...	1	?	0·15	?	0·15	0·15	?	*Ramghar*		
...	...	...	...	...	...	...	...	0·18	...	...	2	4·86	0·51	2·37	0·33	0·18	0·84	Lohardugga ..	Lohardugga.	
...	...	...	...	...	...	...	...	...	...	...	1	4·55	0·13	2·95	0·13	Nil	0·88	Ranchi.		
...	...	...	...	...	...	...	...	...	...	...	Nil	3·20	0·07	2·81	Nil	Nil	0·77	Palamow.		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·25	?	0·10	Nil	?	*Sili.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·98	?	0·51	Nil	?	*Balumat.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·20	?	0·20	Nil	?	*Hoseinabad.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	1·66	?	1·66	Nil	?	*Garwah.*		
...	...	...	...	...	...	...	...	...	0·06	...	4	4·60	1·32	2·95	0·65	0·06	1·26	Chyebassa .	Singhboom.	
												?		?			?	*Chakradharpore.*		
...	...	...	...	...	...	...	...	...	...	...	3	?	0·88	?	0·48	Nil	?	*Ghatsila.*		
...	...	...	...	...	...	...	0·32	...	...	...	3	?	0·86	?	0·35	0·32	?	*Baharagura.*		
...	...	...	...	...	...	...	...	...	0·23	...	1	3·84	0·23	3·09	0·23	0·23	0·97	Purulia ..	Manbhoom.	
...	...	...	...	...	...	...	...	0·25	...	...	2	4·21	0·54	3·59	0·25	0·25	1·05	Gobindpore.		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·90	?	0·85	Nil	?	*Ragunathpore.*		
...	...	...	...	...	...	...	...	...	...	...	3	?	0·6[illegible]	?	0·39	Nil	?	*Barrabhoom.*		
...	...	...	...	...	...	...	...	...	...	...	2	?	0·60	?	0·50	Nil	?	*Jhalda.*		
...	...	...	...	...	...	...	...	...	...	...	1	?	0·35	?	0·35	Nil	?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF OCTOBER 1891.

THE most noticeable features in the meteorology of October in Bengal have been—

1. The unusually early cessation of the monsoon current in Bengal, the rainfall due to this current practically ceasing on October 5th instead of in the middle of October as usually happens.

2. The consequent extreme lightness of the rainfall in all districts, the average falls in the large meteorological divisions ranging only from 2·02 inches in North Bengal to 0·53 inch in Chutia Nagpur. Expressed as a percentage of the normal fall for the month, the actual amounts received have varied from 46 per cent. in North Bengal and 45 per cent. in South Behar to 21 per cent. in Orissa, 18 per cent. in Chutia Nagpur, and 17 per cent. in South-West Bengal.

3. There was also an unusual absence of cyclonic storms or even of barometric depressions such as are generally formed in this month, and beyond a depression of only moderate dimensions which formed in the south-west of the Bay towards the close of the month and which passed across the south of the peninsula, there was no storm or even disturbed weather of any kind.

4. With the unusually early cessation of the rains and the absence of disturbed weather, both the average humidity and cloud proportion have been decidedly in defect of the normal in all districts for the month.

5. Winds have also been more northerly, and the northerly winds have been stronger than is usually the case in October.

6. With the setting in of the cool northerly current earlier than usual, the mean temperature of the province has been distinctly in defect of the normal, the defects being largest in the north and east of the province.

7. Pressure has also been unusually high almost throughout the month and considerably in excess of the normal for the period. This high pressure has accompanied the unusually early establishment of the conditions which obtain at the commencement of the north-east monsoon season.

Meteorology of the month.—At the close of September a barometric depression had passed from the northern part of the Bay in a west-north-westerly direction into Central India, after which it moved towards the north-east to Allahabad, in the neighbourhood of which it filled up about the 2nd or 3rd of October after remaining almost stationary for several days. At the commencement of October, therefore, ordinary south-west monsoon winds were blowing over Bengal towards the depression. They gave little or no rain to the province on the 1st of the month, but when the storm began to disappear and the residual feeble low-pressure area began to move eastwards, then rainfall became more general, and from the 2nd to the 5th or 6th rainfall was rather frequent over the greater part of the province. The south-west monsoon current from the Bay then seems to have ceased to flow over Bengal; wind directions became west and north-west over the western half of the province, and north and north-east over the eastern half. Pressure also on the 6th became higher in the west and north-west of the province than it was at the southern stations. The sky quickly cleared and became almost cloudless, while humidity rapidly fell. Rainfall on the 6th had almost entirely ceased, and fine settled weather prevailed over the whole province. Thus from about the 6th the general conditions in Bengal became those which mark the transition period between the south-west monsoon on the one side and the north-east monsoon or cold weather on the other. This change was at least a week earlier than usual, and the rainfall thus ceased at least a week earlier than the normal. The change from the south-west monsoon conditions also took place very rapidly, and the period of almost calm weather which generally precedes the commencement of the light northerly wind current over Bengal was unusually short.

During the following week the pressure distribution became even more favourable for the continuance of northerly winds and clear dry weather in Bengal, as the readings of the barometer were lowest in the south of Madras and gradually increased to the foot of the Himalayas. Also pressure was slightly below the normal in the south of the province, while the readings were more than a tenth of an inch in excess in Behar. With the continuance of these conditions fine clear weather with an almost entire absence of rain therefore continued in the province up till about the 20th of the month.

In the south of the Bay, however, the comparatively low pressure previously noticed gradually developed and concentrated off the Madras coast, until it formed a distinct barometric depression about the 20th, which remained practically stationary up till this date. On the 21st and 22nd it commenced to pass in an easterly direction, the centre apparently crossing the coast on the 22nd near Cuddalore, for on the 23rd it was partly across the coast and on the 24th it was practically inland, but the depression was only a feeble one, and it only gave squally weather in the south and south-west of the Bay. Squally unsettled weather, probably due to a small local storm, was also reported on the 23rd from Akyab.

Conditions in Bengal therefore again changed from the 20th, for the depression in the Bay influenced the weather in the southern districts, that is, in Lower Bengal and Orissa, giving cloudy skies, a humid atmosphere and local showers, and on the 21st and 22nd numerous showers were reported in the districts indicated. On the 25th the depression was well

inland, so that from this day the weather conditions began to improve in the Bay, and with the disappearance of the disturbance the weather in Bengal also became more settled and more of the ordinary cold season type. On the 25th pressure, however, continued to fall slowly to moderately in Bengal, and it was decidedly in defect of the normal. The moist air current which had been forced northwards from the Bay by the depression still gave a rather high humidity generally in Bengal, while the sky also remained cloudy. Light and variable winds also obtained, and light local showers were reported in some of the districts of Behar and North Bengal. On the 26th pressure commenced to increase slowly, but otherwise conditions had not altered to any material extent, except that the sky had begun to clear, though again on this day a few light local showers were reported. On the 27th pressure had risen briskly, though there was a very shallow low-pressure area in the centre of the province, and temperature commenced to fall moderately to rapidly, but winds continued very light. Humidity decreased in Behar, while the sky became almost cloudless. Practically no rain was reported on this day. On the 28th the barometer fell in the west of the province and rose elsewhere, and the distribution of pressure became very uniform. Winds continued a little variable, but they were becoming generally northerly though light in force. On this day also there was practically no rain On the 29th pressure rose in the west and north of the province and fell elsewhere, and the general pressure was considerably in excess of the normal. The northerly element in the wind directions strengthened, but cloud portion and humidity also increased, particularly at the western stations, and again local showers commenced in Chutia Nagpur, Behar, and North Bengal. On the 30th pressure fell slowly at the south-eastern stations, while it increased moderately elsewhere, and the distribution of pressure became fairly normal for the cold weather. Temperature also fell rapidly and became almost normal, while humidity and cloud proportion decreased, though there were still local showers reported in Behar and parts of South-West Bengal On the 31st pressure rose rapidly, and the general distribution almost resembled that of the middle of the cold weather. Temperature fell moderately and became generally below the normal, while a steady and fairly strong northerly current was blowing over the whole province. The local rain showers also practically ceased, and ordinary north-east monsoon weather thus obtained at the close of the month.

In the Bay conditions call practically for no remarks up till nearly the close of the month when a barometric depression began to form to the south last of the centre of the Bay, but up till the 31st it had not concentrated to any extent to form a storm, and probably then only existed as a diffused low-pressure area with squally weather over the southern part of the Bay up to perhaps lat. 10° or 12° N. This depression afterwards, however, rapidly developed into a storm, and finally into a cyclone which subsequently travelled to the north-west angle of the Bay, but the history of this cyclone belongs to the meteorology of November.

Pressure.—At the commencement of the month the mean pressure was nearly normal, but when the retreat of the monsoon current began it became above the normal, the excess ranging up to about a tenth of an inch. Pressure then oscillated slightly, the tendency being for pressure to fall, and by about the middle of the month the excess equalled about a twentieth of an inch only. With the occurrence of the disturbed weather in the Bay pressure conditions began to change, and in the week ending the 24th for the first few days pressure was in excess, and for the second half of the week it was in defect of the normal. With the disappearance of the depression from the Bay, pressure again became above the normal, and for the last week in the month the excess in the mean pressure ranged from 0.03" to 0·06", the excess on the whole being largest in South-East Bengal and smallest in Assam and Chutia Nagpur. The mean pressure for the whole month has therefore been very decidedly in excess of the normal, the excess usually ranging between 0·04" and 0·06". The largest excess was registered at Gopalpore, where it equalled 0·080", and the smallest at Darjeeling, where it was only 0·002". In Assam the excess pressure ranged from 0·005" at Dhubri to 0·040" at Silchar.

Temperature.—The variations of temperature during the month have not been very important. At the begining of the month the mean temperature was very nearly normal. For the period 4th to the 10th temperature became very decidedly (about 1° to 2°) below the normal in all districts except Orissa and Chutia Nagpur, and this defect continued in the week ending the 17th and for the following week, except that the defects had become smaller. These conditions had been to a great extent removed in the last week, and there was a general excess of about half a degree except in Assam and East Bengal, where there was a decided defect. The mean temperature for the whole month was below the normal in all divisions except South Behar, where the very small excess of 0·1° was recorded. The defect has equalled about a degree in East and North Bengal and North Behar, and about half a degree in Orissa, but the defects were very small in South-West Bengal and Chutia Nagpur. The mean temperature for the whole province may be said to have been 0·6° below the normal. In Assam the defect has been 1·4°.

Rainfall.—The periods of rainfall have already been described, and it will be seen that they have been very brief. The largest average fall in any division has only equalled 2·02 inches in North Bengal, where the ordinary fall in October is nearly four and-a-half inches. East Bengal has received 1·73 inches, against a normal fall of five and-a-half inches. In South Behar the fall has equalled 1·50 inches, against the normal 3·30 inches, and in North Behar there was a fall of 1·37 inches, while the ordinary amount received exceeds three and-a-half inches. In Orissa the fall has been 1·31 inches, against the normal of 6·16 inches.

In South-West Bengal the fall has averaged less than three-quarters of an inch, being only 0·73 inch, while in normal years nearly four and-a-half inches fall. Finally, in Chutia Nagpur the actual fall has only averaged the very small amount of about half an inch, against the normal amount of nearly three inches, and it will thus be seen that the whole province has received a fall very largely in defect. Expressed as a percentage of the normal rainfall, North Bengal and South Behar have received from 45 to 46 per cent. of the usual amount, East Bengal and North Behar from 30 to 40 per cent., and South-West Bengal, Chutia Nagpur, and Orissa from 17 to 21 per cent. Taking all these divisions as having an equal value in the calculation, the rainfall for the whole of Bengal for October may be said to have equalled 31 per cent. of the normal.

The following table gives a comparison between the actual monthly and total rainfall and the normal rainfall of the province up to the end of October in the same form as has been employed in the previous monthly abstracts of the present year. The figures represent the ratio of the rainfall of each month of the present year to the normal rainfall expressed as a percentage. The table thus gives a condensed summary of the rainfal data of the year for each meteorological division. The first ten columns give the percentage amount of rainfall received in each month, and the last column the percentage rainfall of the whole period from the 1st of January to the end of October. It will be seen that for the period of ten months, notwithstanding the very light monsoon of the present year, Orissa has received a fall in excess of the normal, while the defects elsewhere do not represent more than from 6 per cent of the normal in Chutia Nagpur to 24 per cent. of the normal in North Bengal:—

Meteorological Divisions.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	Actual rainfall of first ten months of 1891 expressed as a percentage of the normal fall for the period.
Orissa	11	167	424	:6	134	28	74	139	180	21	105
South-West Bengal...	53	193	308	60	170	61	94	81	71	17	89
East Bengal ...	2	311	98	130	151	71	100	65	61	32	85
North Bengal ...	78	377	239	77	140	53	117	46	37	46	76
North Behar ...	171	233	590	19	172	94	83	65	35	39	79
South Behar ...	253	159	734	30	165	83	85	83	56	45	89
Chutia Nagpur ...	163	91	506	30	148	47	97	93	102	18	94

The following table gives full data for the comparison of the actual and normal rainfall of the month of October in all districts of the province. The figures are obtained in the manner explained in previous monthly summaries. The first column gives the average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the actual weighted rainfall of the month at the reporting stations in the district. The third column expresses the ratio of the actual district rainfall to the normal as a percentage, and the fourth the same information in a slightly different form:—

Percentage Table for October 1891.

Division.	District.	Normal district rainfall for October.	Actual district rainfall for October 1891.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (−).
Orissa ...	Pooree	7·42	1·91	26	— 74
	Cuttack	5·69	0·94	16	— 84
	Balasore	5 35	0·93	17	— 83
South-West Bengal	Midnapore	5 26	0·34	6	— 94
	24-Pergunnahs	4·46	0·08	2	— 98
	Howrah	3·65	0 03	1	— 99
	Hooghly	4·07	0·07	2	— 98
	Burdwan	4·16	0 39	9	— 91
	Bankoora	3 77	1 01	27	— 73
	Beerbhoom	3 41	2·07	61	— 39
	Nuddea	4·17	0·73	17	— 83
	Khoolna	4 52	0 43	9	— 91
	Jessore	4·45	0 79	18	— 82
	Moorshedabad	4·37	1·61	37	— 63
East Bengal ...	Chittagong	6·61	2·46	37	— 63
	Backergunge	5·62	0·88	16	— 84
	Noakholly	7·37	3·00	41	— 59
	Furreedpore	4·24	1 03	24	— 76
	Dacca	4·61	0·64	14	— 86
	Tipperah	5·26	2·04	39	— 61
	Mymensingh	5·32	2·77	52	— 48

Percentage Table for October 1891—concld.

Division.	District.	Normal district rainfall for October.	Actual district rainfall for October 1891.	Percentage of actual to normal rainfall.	Percentage excess (+), defect (−).
North Bengal ...	Pubna	4·43	2·28	61	— 49
	Bogra	4·34	1·80	41	— 59
	Rajshahye	4·53	1·90	42	— 58
	Maldah	3·62	0·99	27	— 73
	Dinagepore	3·44	1·14	33	— 67
	Rungpore	4·46	5·47	123	+ 23
	Cooch Behar	4·99	1·28	26	— 74
	Julpigoree	5·60	1·48	26	— 74
	Darjeeling	6·96	0·88	13	— 87
North Behar ...	Purneah	3·43	0·84	24	— 76
	North Bhagulpore	3·36	1·30	38	— 62
	Durbhunga	2·72	1·05	39	— 61
	Mozufferpore	3·03	1·06	35	— 65
	Chumparun	3·46	3·64	105	+ 5
	Sarun	3·74	0·89	24	— 76
South Behar ...	Shahabad	3·19	0·83	26	— 74
	Gya	2·58	1·12	43	— 57
	Patna	2·97	0·81	27	— 73
	Monghyr	3·13	1·61	51	— 49
	South Bhagulpore	3·64	0·46	13	— 87
	Sonthal Pergunnahs	3·62	2·24	62	— 38
Chutia Nagpur ...	Hazaribagh	3·26	0·30	9	— 91
	Lohardugga	2·47	0·32	13	— 87
	Singbhoom	2·94	1·32	45	— 55
	Manbhoom	3·68	0·28	8	— 92

It will thus be seen that even in the midst of the very large defective fall which has been generally received, two districts have received more than the normal amounts in October, Rungpore having actually reported 23 per cent. in excess and Chumparum 5 per cent. in excess. On the other hand, districts like Howrah, Hooghly, and 24-Pergunnahs have received falls only equal to 2 per cent. of the normal, while falls of less than 10 per cent. are reported in Midnapore, Burdwan, Khoolna, Hazaribagh and Manbhoom districts.

In Assam during the month, Sibsagar has received 4·48 inches, Silchar 4·21 inches, and Dhubri 1·20 inches of rain.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of October 1891:—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	93·0	65·8	88·8	73·5	81·2	—0·6	1·31	6·16	—4·85	1·87	6·76	—4·89	0·19	2·50
South-West Bengal	92·3	63·5	89·0	72·9	81·0	—0·1	0·73	4·33	—3·60	1·28	5·22	—3·94	0·07	1·70
East Bengal	92·1	62·5	87·4	71·7	79·6	—0·9	1·73	5·43	—3·70	2·40	6·07	—3·67	0·57	1·83
North Bengal	93·6	60·8	87·7	69·5	78·6	—1·2	2·02	4·38	—2·36	2·20	4·30	—2·10	0·05	1·42
North Behar	93·7	56·9	89·4	67·7	78·1	—1·1	1·37	3·54	—2·17	1·88	2·86	—0·98	0·02	0·88
South Behar	93·7	61·0	89·3	69·6	79·5	+0·1	1·50	3·30	—1·80	2·13	3·38	—1·25	0·08	1·03
Chutia Nagpur	86·7*	59·0*	83·6*	65·6*	74·6*	—0·1*	0·53	2·97	—2·44	1·98	4·20	2·22	0·11	0·81
Assam	93·0	62·8	86·0	69·8	77·9	—1·4								

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 10th November 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

STATION OBSERVATIONS.

Meteorological Division.	District.	Representative station.	Air pressure.			Wind.		Temperature.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree ...						Observations incomplete.								
		Gopalpore ..	29·876	29·837	—·052	NNW	305	87 7	1 & 2 Nov.	66·4	2nd Nov.	85·1	70 2	77·7	+0·3	76 4
		False Point ..						Observations incomplete.								
	Cuttack	Cuttack ...	29 883	29·857	—·052	Variable	1·18	88 4	1st Nov.	65·8	2 & 3 ,,	85·7	69·2	77 5	—0·9	74·6
	Balasore	Balasore ...	29 883	29 887	—·028	Nly	143	87·4	1—3 ,,	63 7	2nd ,,	83·2	68 2	75 8	—0·1	72 6
South-West Bengal.	South-West Midnapore South 24-Pergunnahs	Saugor Island	29 902	29·872	—·044	NEly	343	87·2	4th ,,	67 4	1st ,,	83·8	70 2	77·0	+0·6	74 9
	Midnapore	Midnapore ..	29·905	29·904	—·024	N & NE	332	88·3	3rd ,,	64 2	2nd ,,	83·3	68 3	75·8	+0·7	72 5
	24-Pergunnahs ... Howrah ... Hooghly ...	Calcutta ...	29·935	29 902	—·020	NNE	127	86 6	3 & 4 ,,	66·2	1st ,,	83 2	69 6	76 5	+0·1	73 9
	Burdwan	Burdwan ...	29 844	29 932	0	N	70	89 6	3rd ,,	63 4	7th ,,	84 3	67·7	76·0	—1·0	73·1
	Bankoora	Bankoora ...	29·653	29·911	+·005	Calm & Nly	62	86 6	2 & 3 ,,	64 7	2 & 7 ,,	83 4	67 7	75 6	—0·3	72 0
	Beerbhoom ... West Burdwan ..	Raneegunge	29 641	29·947	—·001	NNE	93	93·0	5th ,,	63·5	7th ,,	84·8	67·0	75·9	+0·5	70·3
	Moorshedabad	Berhampore .	29 914	29 932	—·005	Nly	67	88·1	5th ,,	63 2	7th ,,	83 1	68 4	75·7	—0·6	71·1
	Nuddea	Krishnaghur	29 921	29 918	0	ENE	123	89·3	3rd ,,	63·7	7th ,,	84 2	67 6	75·9	+0·2	72·9
	Jessore ... Khoolna ...	Jessore ...	29 932	29 913	—·006	Nly	57	88·7	3 & 4 ,,	65·5	1st ,,	84 1	68·7	70 4	—2·0	74 2
East Bengal.	Chittagong	Chittagong ...	29·877	29 913	+·004	Calm & NEly	36	?	?	?	?	?	?	?	?	75 1
	Chittagong Hill Tracts	Demagiri .						No observations received.								
	Backergunge	Barrisal .	29 944	29 901	+·010	NEly	79	87·8	3rd Nov.	66·0	1st Nov.	83·9	70·2	77·1	+1·0	76·9
	Noakhally...	Noakholly ...	29·919	29·910	+·013	E	110	89·5	2 & 3 ,,	63 9	1st ,,	85·1	69 8	77 5	+1 4	75 2
	Furreedpore	Furreedpore ..	29·931	29 918	+·010	Nly	95	86·5	3 & 4 ,,	66·4	2 & 3 ,,	82·9	69 0	76·0	+0 5	74·9
	Dacca	Dacca ...	29 918	29·918	—·007	NNE	118	90 6	4th ,,	67·2	1—3 ,,	86·0	68 8	77·4	—0·4	74·1
	Commillah	Commillah ..	29·942	29·925	+·024	NE	41	88·4	3rd ,,	64·3	1st ,,	84·7	69 1	76·9	+0·1	74·6
	Mymensingh	Mymensingh	29·925	29 935	+·023	ENE	79	87·2	3 & 4 ,,	65·6	2nd ,,	83 5	67·7	75 6	+0 4	71·6
North Bengal.	Bogra	Bogra ..	29·905	29·926	+·030	Nly	47	88·3	5th ,,	61·2	2nd ,,	83 4	65·8	74 6	+0·5	70·5
	Pubna	Serajgunge ..	29·929	29·926	+·008	Variable	114	87 6	5th ,,	62·3	7th ,,	83·6	66·5	75·0	+0·6	71 1
	Rajshahye	Rampore Beauleah.	29 910	29 931	+·016	NNE	59	87·3	5th ,,	61 7	7th ,,	81·6	66·8	74·2	+1·2	71·7
	Maldah	Maldah ..	29·918	29·952	—	NW	74	88·8	3 & 5 ,,	56·3	7th ,,	85·4	64·5	75·0	—	72·4
	Dinagepore	Dinagepore ...	29·873	29·947	+·008	NE	72	87·1	3rd ,,	60·3	1st ,,	84 1	64·2	74 2	+1·0	71·9
	Rungpore	Rungpore ..	29·883	29·964	+·016	ENE	84	86 8	1st ,,	62 7	2, 3 & 7 ,,	83 4	64 5	74·0	+0·8	70·1
	Julpigoree ... Cooch Behar ...	Julpigoree	29·710	29·966	+·022	N	79	86 4	3rd ,,	56 1	5th ,,	83 3	59·7	71 5	—1·1	69 5
	Darjeeling Hill Tracts..	Darjeeling ..	23 081	—	+·024	ENE	79	60 1	4 to 6 ,,	40 7	7th ,,	59 0	46 0	52 4	+2·3	52 2
North Behar.	Purneah ... North Bhagulpore ...	Purneah ..	29·881	29·964	+·018	Calm	?	86 2	1 to 4 ,,	56 8	7th ,,	85 3	61·8	73·1	—0·5	67·5
	Mozufferpore	Mozufferpore						Observations not received.								
	Durbhunga	Durbhunga	29·855	29 979	+·025	Calm & ENE	34	86·9	2 & 4 Nov.	62·0	1, 2 & 7 ,,	85 9	62 9	74 4	—0·3	69 8
	Chumparun	Motihari .	29·776	29·965	+·031	Variable	71	87·2	3 & 4 ,,	55·9	1st ,,	86 3	59 3	72·8	+1·0	68·4
	Sarun	Chupra	29·826	29·966	+·047	NW	50	87 8	4th ,,	61·0	1st ..	86·4	63·5	75·0	+1·7	70 3
South Behar.	Shahabad	Dehree .	29·657	29·971	+·021	SW	?	87·3	1st ,,	61·0	1 & 2 ,,	85·8	63·8	74·8	+1·4	72·8
		Buxar ..	29·771	29·972	+·018	Nly	63	87·4	2nd ,,	63 9	2 & 7 ,,	86 4	65·1	75 8	+1·7	72 5
		Arrah ..	29·817	29·964	+·034	Variable	30	88·4*	4th ,,	59 8	1st ,,	87 6	64·3	75·5*	+2·4*	71·9
	Gya	Gya .	29 639	29 980	+·027	E	118	85 9	3 & 4 ,,	61 2	2nd ,,	85 0	64·8	74 9	+0·4	70 4
	Patna	Bankipore .	29·831	29·971	+·012	Variable	63	87 9	4th ,,	65·5	1st ,,	86 5	66 0	76·3	+1·4	73·0
	South Bhagulpore ... Monghyr	Bhagulpore .	29 837	29·954	+·015	Calm	21	86 7	2nd ,,	61·5	7th ..	84·8	65·5	75·3	+2·5	72 0
	Sonthal Pergunnahs	Doomka ..	29·488	29·948	+·019	NEly	79	88·1	5th ,,	61·7	7th ,,	84 3	66·7	75·6	+2·0	73·1
Chutia Nagpur.	Hazaribagh	Hazaribagh .	27 963	29·960	+·006	N	144	82 7	5th ,,	60·8	7th ,,	79·4	63·9	71·6	+1·2	68·4
	Lohardugga ... Manbhoom ...	Ranchee	27·826	29·934	—·001	Nly	143	80·5	5th ,,	58 9	1st ,,	78 1	61·9	70·0	+0·1	68 3
	Singbhoom	Chyebassa .	29·180	29·911	—·013	NEly	57	85·5	1st ,,	61·0	2nd ..	82 1	65·9	74·0	—0·5	71·2
[illegible]	Sibsagar	Sibsagar ..	29·703	30·005	+·024	NE		82·1	2nd ,,	57·2	5th ,,	79·9	60·5	70·2	—2·3	64·1
	Goalpara	Dhubri ...	29·856	29·959	+·001	NE	253	82·8	3rd ,,	62 8	7th ,,	80·2	65·5	72·9	—1·6	69·3
	Cachar	Silchar .	29·882	29·940	+·023	Calm		92·5	3rd ,,	64 8	2nd ,,	87·5	66 3	76·9	—0·1	72·1

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

...r the week ending Saturday, the 7th of November 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
				0·58		0·58			4·38			0·92	Pooree ...		
79	5·4	2·92											Gopalpore ...	Pooree	Orissa.
													False Point ...		
77	5·7	4·69		0·23		0·23			2·85			0·61	Cuttack ...	Cuttack	
80	3·0	2·16		0·35		0·35			2·10			0·48	Balasore ..	Balasore	
87	6·3	4·29	2·49	0·18	2·49	0·18	+2·31	2·54	3·71	−1·17	1·33	0·33	Saugor Island ...	South-West Midnapore / South 24 Pergunnahs	South-West Bengal.
78	3·6	0·18	0·26	0·06	0·26	0·06	+0·20	0·28	1·52	−1·24	1·00	0·16	Midnapore ..	Midnapore	
80	5·3	0·51	0·37	0·12	0·37	0·12	+0·25	0·42	1·39	−0·97	1·00	0·23	Calcutta ..	24-Pergunnahs ... / Howrah .. ... / Hooghly	
75	5·7	0·25	0·48	0·10	0·48	0·10	+0·38	0·49	1·41	−0·92	1·33	0·12	Burdwan ..	Burdwan	
79	4·9	0·69	0·51	0·07	0·51	0·07	+0·44	0·56	1·15	−0·59	1·75	0·15	Bankoora ...	Bankoora	
83	4·6	0·28	1·14	0·10	1·14	0·10	+1·04	1·35	0·89	+0·46	1·25	0·27	Raneegunge ...	Beerbhoom ... ... / West Burdwan ...	
91	5·1	1·06	1·23	0·17	1·23	0·17	+1·06	1·34	0·79	+0·55	1·50	0·20	Berhampore ...	Moorshedabad ...	
83	5·4	1·30	0·54	0·23	0·54	0·23	+0·31	0·61	1·43	−0·82	0·80	0·20	Krishnagur ...	Nuddea	
85	7·1	0·79	1·48	0·12	1·48	0·12	+1·36	1·54	1·72	−1·18	1·88	0·25	Jessore ...	Jessore ... ... / Khoolna	
91	8·7	0·87	1·10	0·45	1·10	0·45	+0·65	2·61	3·59	−0·98	3·00	0·60	Chittagong ...	Chittagong	East Bengal.
			0·69	0·77	0·69	0·77	−0·08	1·86	3·24	−1·38	3·00	0·70	Demagiri ...	Chittagong Hill Tracts	
83	6·3	1·12	0·97	0·26	0·97	0·26	+0·71	1·09	2·65	−1·57	2·09	0·11	Barisal ..	Backergunge	
85	2·0	0·51	0·57	0·68	0·57	0·68	−0·11	1·83	3·31	−1·48	1·00	0·43	Noakhally ...	Noakhally	
88	5·3	1·08	1·84	0·13	1·84	0·13	+1·71	1·89	1·37	+0·52	2·33	0·19	Furreedpore ...	Furreedpore	
87	7·1	1·11	1·86	0·10	1·86	0·16	+1·76	1·88	1·69	+0·19	1·50	0·15	Dacca ...	Dacca	
85	5·4	3·99	3·64	0·17	3·64	0·17	+3·57	4·99	1·80	+3·19	1·50	0·35	Commillah ...	Commillah	
90	6·0	1·82		0·12		0·12			1·56			0·17	Mymensingh ...	Mymensingh	
87	2·9	3·60	2·09	0·25	2·09	0·25	+1·84	2·34	1·06	+1·28	2·00	0·18	Bogra ...	Bogra	North Bengal.
92	5·1	1·06	0·97	0·18	0·97	0·18	+0·79	0·99	1·55	−0·56	2·00	0·28	Serajgunge ...	Pubna	
87	3·7	0·92	1·22	0·12	1·22	0·12	+1·10	1·22	0·86	+0·36	1·67	0·26	Rampore Beauleah	Rajshahye	
82	2·0	0·26	0·14	0·18	0·14	0·18	−0·04	0·16	1·06	−0·90	0·50	0·17	Maldah ...	Maldah	
76	3·4	0·05	0·19	0·04	0·19	0·04	+0·15	0·19	0·51	−0·31	0·60	0·00	Dinagepore ..	Dinagepore	
87	1·6	Nil	0·15	0·08	0·15	0·08	+0·07	0·17	0·95	−0·78	0·50	0·06	Rungpore ...	Rungpore	
77	0·9	Nil	Nil	0·02	Nil	0·02	−0·02	Nil	1·12	−1·12	0·00	0·01	Julpigoree ...	Julpigoree ... ... / Cooch Behar	
63	4·4	Nil	Nil	0·02	Nil	0·02	−0·02	0·60	1·73	−1·13	0·00	0·05	Darjeeling ..	Darjeeling Hill Tracts	
84	2·1	Nil	Nil	0·03	Nil	0·03	−0·03	Nil	0·96	−0·96	0·00	0·06	Purneah ...	Purneah ... ... / North Bhagulpore ...	North Behar.
			Nil	0·04	Nil	0·04	−0·04	0·06	0·78	−0·72	0·00	0·09	Mozufferpore ...	Mozufferpore	
82	1·4	Nil	Nil	0·02	Nil	0·02	−0·02	Nil	0·67	−0·67	0·00	0·05	Durbhunga ...	Durbhunga	
82	1·1	Nil	Nil	Nil	Nil	Nil	0	Nil	0·27	−0·27	0·00	0·00	Motihari	Chumparun	
82	1·1	Nil	Nil	0·03	Nil	0·03	−0·03	0·05	0·59	−0·54	0·00	0·08	Chupra ...	Sarun	
70	2·3	Nil											Dehree ...		South Behar.
68	1·9	Nil	Nil	0·10	Nil	0·10	−0·10	0·04	0·95	−0·91	0·60	0·06	Buxar ...	Shahabad	
82	0	Nil											Arrah ...		
77	4·4	Nil	Nil	0·14	Nil	0·14	−0·14	0·20	0·67	−0·47	0·00	0·03	Gya ...	Gya	
72	4·3	Nil	Nil	0·09	Nil	0·09	−0·09	0·13	1·01	−0·88	0·00	0·05	Bankipore ...	Patna	
80	4·3	0·01	Nil	0·12	Nil	0·12	−0·12	0·07	1·07	−1·00	0·00	0·11	Bhagulpore ...	South Bhagulpore ... / Monghyr	
75	2·7	0·36	0·46	0·12	0·46	0·12	+0·34	0·40	1·03	−0·34	1·00	0·18	Doomka ...	Sonthal Pergunnahs ..	
74	6·1	0·15		0·12		0·12			0·70			0·28	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
70	4·6	0·17	0·22	0·06 / 0·10	0·22	0·06 / 0·10	+0·12	0·46	0·95 / 0·97	−0·51	0·50	0·21 / 0·19	Ranchi ...	Lohardugga ... ... / Manbhoom	
83	5·7	0·55	0·48	0·18	0·48	0·18	+0·30	0·54	1·38	−0·84	1·69	0·50	Chyebassa ...	Singbhoom	
98	0·6	0·18											Sibsagar		Assam.
81	4·9	0·07											Dhubri	Assam	
85	7·0	1·58											Silchar		

...ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean ...
...ten years. The means of the district are the numerical average of the rainfall returns received in the district, i.e., from total rainfall at the sub-divisional ...

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 7th of November 1891.

Meteorological division.	District.	Station.	Rainfall.							Total—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
			Sunday, 1st Nov.	Monday, 2nd Nov.	Tuesday, 3rd Nov.	Wednesday, 4th Nov.	Thursday, 5th Nov.	Friday, 6th Nov.	Saturday, 7th Nov.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
ORISSA ...	Pooree ...	Pooree ...	......	......	......	0·50	13·61	1·80	......	3	15·91	0·53	15·91	0·53	15·91	5·70
		Khurdah ...	......	....	......	0·06	...	1·12				0·43		0·43		3·52
		Banpur ...	......	.	....	1·40						0·47		0·47		3·50
		False Point ...	......	... .	..	0·20						0·87		0·87		5·59
		Gop ...										?		?		?
		Satpara ...	......	...	. ...	0·25	2·50					?		?		?
		Pipli .	......	......	... .	0·40	3·95					?		?		?
	Cuttack	Jagatsingpore	......	. ...	......	1·37	4·80	6·30				0·25		0·23		3·16
		Banki ...	......	.. .	... ..	0·06	1·01	0·10				0·21		0·21		1·33
		Cuttack ...	. ..	...	......	0·09	2·63					0·38		0·38		3·36
		Kendrapara ...	... ..	... ..	......	0·21	6·21	9·50	0·20	4	10·12	0·19	16·12	0·19	16·72	3·35
		Jajpore ...	....	. .	. ..	...	1·10	2·11	0·03	2	3·24	0·11	3·24	0·11	3·24	2·29
		Dharmsala ..	......	.. ...	0·01	2·04	3·25	......	.. ...	2	5·30	?	5·30	?	5·36	?
		Salipore .	......	... ..	...	5·70						?		?		?
	Balasore	*Akhoyapada*...	......	......	......	. .	1·00	3·45	0·20	3	4·74	?	4·74	?	4·74	?
		Chanubali ...	......	.. ..	... .	0·20	2·26	7·12				0·77		0·77		2·98
		Bhuddruck ...	......	... .	.... .	0·16	1·35	3·79	0·25	4	5·55	0·56	5·55	0·56	5·85	2·42
		Sorah ...	...	......	......	0·12	1·51	2·30				0·38		0·38		2·31
		Balasore ..	......	......	... ..	0·10	0·75	1·62	......	3	2·47	0·23	2·47	0·22	2·47	2·90
		Jellasore ..										0·10		0·10		0·96
		Baripodah ..										0·05		0·05		1·08
SOUTH-WEST BENGAL.	Midnapore	Contai ..	......	......	......	... ..	0·22	2·27	......	2	2·49	0·14	2·49	0·14	2·49	4·40
		Saugor Island	.. ...	......	.....	0·02	0·09	4·18	.... .	1	4·29	0·21	4·29	0·21	4·44	4·59
		Tumlook ...	......		......	.. ...	......	0·35	......	1	0·35	0·09	0·35	0·09	0·35	2·11
		Midnapore ...	......	......	.. ...	......	......	0·18	......	1	0·18	0·08	0·18	0·08	0·18	1·91
		Ghattal ...	......	... ..	......	..	......	0·26	....	1	0·26	0·02	0·26	0·02	0·33	0·54
		Kukrahaty ..	.. ...	......	......	......	......	0·30	0·01	1	0·31	?	0·31	?	0·31	?
		Garbetta ...	......	. ....	... ..	... ..	......	0·19	... ..	1	0·19	?	0·19	?	0·19	?
	24-Pergunnahs	Diamond Harbour ...	......	.. ...	......	......	... ..	0·70	......	1	0·70	0·20	0·70	0·20	0·78	2·13
		Canning Town	... .	.. ...	......	......	0·04	0·90	1·16	2	2·10	?	2·10	?	2·10	?
		Alipore Jail ...	.	......	. . .	... ..	......	0·41	0·02	1	0·43	0·13	0·43	0·13	0·43	1·82
		Barrackpore...	... ..	......	. . .	. ....	. ..	0 8	...	1	0·18	0·30	0·18	0·30	0·28	1·34
		Dum-Dum ...	... ..	......	. . .	. ....	......	0·38	0·02	1	0·40	0·06	0·40	0·06	0·40	1·51
		Barasat ...	.. ...	.. ...	......	......	. ...	0·21	......	1	0·21	0·16	0·21	0·16	0·30	1·46
		Buseerhat ...	...	......	. ....	......	......	0·92	......	1	0·92	0·10	0·92	0·10	0·92	1·42
	Howrah .	Howrah .	......	......	......	......	......	0·28	0·01	1	0·29	0·18	0·29	0·18	0·29	1·65
		Mohesreka ...	......	... ..	.....	......	.. .	0·36	0·05	1	0·41	0·13	0·41	0·13	0·41	0·84
		Oolobersah ...	......	... ..	... ..	......	0·36	.....	... .	1	0·36	?	0·36	?	0·36	?
	Hooghly ..	Serampore ...	......	... ..	....,	.... .	.. ...	0·22	0·02	1	0·24	0·07	0·24	0·07	0·48	1·25
		Hooghly ...	......	......	.....	......	......	0·33	....	1	0·33	0·11	0·33	0··1	0·33	1·42
		Jehanabad ...	......	......	......	......	......	0·28	0·02	1	0·30	0·03	0·30	0·03	0·30	1·27
	Burdwan .	Culna ...	... ..	......	......	......	......	0·28	......	1	0·28	0·07	0·28	0·07	0·28	1·36
		Burdwan ...	......	.....	... .	......	0·03	0·18	0·04	1	0·25	0·05	0·25	0·05	0·28	1·46
		Cutwa ...	... ..	......	......	......	0·04	0·61	0·25	2	0·90	0·18	0·90	0·18	0·90	1·41
		Raneegunge ...	......	.....	......	... .	... .	0·28	......	1	0·28	0·08	0·28	0·08	0·56	0
		Mankur ...	......	......	. ....	... ..	0·27	0·43	......	2	0·70	?	0·70	?	0·85	?
	Bankoora .	Bankoora ...	......	. ....	... ..	.... .	0·14	0·55	......	2	0·69	0·13	0·69	0·13	0·69	1·32
		Bishenpore ...	......	.	......	...	......	0·37	......	1	0·37	Nil	0·37	Nil	0·37	1·04
		Maliara ...	... ..	... .	. ....	......	0·12	0·35	......	2	0·47	0·02	0·47	0·02	0·65	0·99
		Khatra ...	......	... ..	......	... ..	0·10	0·40	. .	2	0·50	0·13	0·50	0·13	0·50	1·20
		Indas ...	......	.... .	... ..	......	0·12	0·28	0·08	2	0·40	?	0·46	?	0·46	?
		Kotalpore ...	......	... ..	.. ..	......	0·18	0·12	......	2	0·30	?	0·30	?	0·30	?
		Anda ..	.. ...	......	.....	......	0·41	......	. ..	1	0·41	?	0·41	?	0·41	?
		Gangajalghati	......	......	......	.... .	......	0·29	......	1	0·29	?	0·29	?	0·20	?
		Raipore ...	. ....	....	......	......	......	0·82	......	1	0·82	?	0·82	?	0·82	?
		Sonamukhi ..	......	......	......	.....	. ....	0·51	......	1	0·51	?	0·51	?	0·51	?
	Beerbhoom	Bh. Soory ..	......	......	......	......	.. ...	1·30	0·04	1	1·43	0·10	1·43	0·10	1·45	1·23
		Hetampore ...	......	......	......	....	1·09	0·03	......	1	1·12	0·09	1·12	0·09	1·52	0·55
		Rampore Haut	.. ...	. ...	......	......	0·43	1·31	... ..	2	1·74	0·13	1·74	0·13	1·88	0·80
		Bolpore ...	......	. ..	......	......	0·20	1·55	... .	2	1·75	?	1·75	?	2·10	?
		Murari ...	......	......	......	......	......	0·56	......	1	0·56	?	0·56	?	0·56	?
	Nuddea .	Ranaghat ..	.... .	... ..	......	... ..	0·03	0·48	0·03	1	0·54	0·28	0·54	0·28	0·56	1·47
		Kishnaghur ...	... ..	. . ..	......	.. ...	0·03	1·27	.....	1	1·30	0·21	1·31	0·21	1·30	1·13
		Choadanga ..	......	......	...	......	.....	0·09	......	Nil	0·00	0·36	0·09	0·36	0·40	1·81
		Meherpore ...	. ....	.. ..	......	... ..	.....	0·30	... .	1	0·30	0·09	0·30	0·09	0·30	1·28
		Kooshtea .	......	... .	......	......	......	0·41	0·05	1	0·46	0·19	0·46	0·19	0·46	1·43
	Khoolna ..	Satkhira ...	......	......	......	......	0·08	0·45	2·30	2	2·83	0·23	2·83	0·23	2·83	1·75
		Bagirhat ...	......	......	.....	... ..	.. ..	0·25	2·04	2	2·28	0·09	2·28	0·09	2·62	1·72
		Khoolna ...	... .	......	......	... .	0·06	0·60	2·01	2	2·67	0·26	2·67	0·26	2·67	1·85
		Nakipur ...	......	......	......	......	......	2·14	0·68	2	2·82	?	2·82	?	2·82	?
		Rampal .	......	......	......	......	......	......	1·80	1	1·80	?	1·80	?	1·80	?
	Jessore ...	Narail ..	......	......	......	......	. .	0·27	1·84	2	2·11	0·06	2·11	0·06	2·11	2·65
		Jessore ...	......	......	. ...	......	0·06	0·15	0·58	2	0·79	0·07	0·79	0·07	0·55	1·90
		Jhenidah ..	......	......	......	......	......	0·18	0·09	1	0·27	0·15	0·27	0·15	0·31	1·68
		Magoorah ...	.. ...	......	......	.. ...	.....	0·31	0·12	2	0·43	0·10	0·46	0·10	0·46	1·23
		Bongong ...	......	......	. ...	.... .	......	0·30	0·14	2	0·44	0·03	0·44	0·03	0·47	1·59
	Moorshedabad	Kandi ...	......	......	......	......	. . .	1·00	0·20	2	1·20	0·32	1·20	0·32	1·20	1·61
		Berhampore ...	......	......	... ..	......	0·26	0·73	0·07	2	1·06	0·19	1·06	0·19	1·06	0·84
		Lalbagh ...	......	......	......	......	.. ...	0·71	0·05	1	0·76	0·16	0·76	0·16	0·86	0·86
		Azimgunge ...	......	......	.....	... .	0·40	0·90	... .	2	1·30	0·15	1·30	0·15	1·86	0·80
		Jungipore ...	......	......	......	......	......	1·42	0·01	1	1·43	0·08	1·43	0·08	1·43	0·66
		Lalgola ...	......	......	......	......	.... .	1·53	0·07	1	1·60	0·12	1·60	0·12	1·60	0·60
		Akerigunj ...	......	......	......	......	0·09	0·45	0·17	2	0·71	?	0·71	?	1·63	?
		Patkabari ..	......	......	......	......	0·10	0·30	......	2	0·40	?	0·40	?	1·10	?
EAST BENGAL	Chittagong	Cox's Bazar ...	......	......	.... .	0·10	0·05	0·53	0·31	3	0·99	0·50	0·99	0·50	3·77	4·68
		Chittagong ...	......	......	......	0·73	0·07	0·10	0·30	3	1·20	0·39	1·20	0·30	1·44	2·46
		Kutubdia ...										?		?		?
		Satkanya ...	......	......	......	0·70	0·06	0·32				?		?		?
	Chittagong Hill Tracts.	Rangamati ...	. ..	......	. ...	...	0·11	0·10	0·48	3	0·69	0·77	0·69	0·77	1·86	3·24
		Bundarban ...	......	......	... ..	0·23						?		?		?
	Backergunge	Patuakhally...	. ...	......	......	. ..	......	0·52	0·20	2	0·72	0·21	0·72	0·21	0·93	2·99
		Ferozepore ...	......	.. ...	... ..	......	......	0·56	0·95	2	1·51	0·22	1·51	0·22	1·51	2·57
		Burrisal ...	.. ...	......	......	......	......	0·38	0·91	2	1·29	0·27	1·29	0·27	1·40	2·69
		Bhola ...	......	......	......	......	......	0·13	0·25	2	0·38	0·33	0·38	0·33	0·53	2·87

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 7th of November 1891—contd.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 1st Nov.	Monday, 2nd Nov.	Tuesday, 3rd Nov.	Wednesday, 4th Nov.	Thursday, 5th Nov.	Friday, 6th Nov.	Saturday, 7th Nov.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
EAST BENGAL —*concld.*		*Gournaddi* ..	...	...	...	...	...	0·52	2·43	2	2·95	?	2·95	?	3·61	?
		Bauphal ...	...	...	...	...	...	0·48	0·14	2	0·62	?	0·63	?	1·43	?
	Noakholly ...	Noakholly ..	...	...	...	...	...	..	0·49	1	0·49	0·31	0·40	0·31	2·36	3·11
		Fenny ...	...	...	...	...	...	...	0·64	1	0·64	1·05	0·64	1·05	1·29	3·52
		Harishpore ...										?		?		?
		Ramganj ...										?		?		?
	Furreedpore	Madaripore ..	...	...	.	...	0·04	...	4·07	2	4·11	0·04	4·11	0·04	4·21	1·27
		Furreedpore...	...	...	...	...	0·11	0·11	0·76	3	0·98	0·18	0·98	0·18	0·98	1·33
		Goalundo .	...	...	...	...	0·16	0·18	0·08	2	0·42	0·17	0·42	0·17	0·45	1·51
	Dacca ...	Munshigunge	...	...	...	...	0·08	0·10	2·91	2	3·07	0·10	3·07	0·10	3·15	1·09
		Dacca ..	...	...	...	...	...	...	0·99	1	0·99	0·11	0·99	0·11	0·99	1·30
		Naraingunge	...	...	...	...	...	0·20	2·68	2	2·88	Nil	2·88	Nil	2·88	2·07
		Manickgunge	...	...	...	...	...	0·04	0·45	1	0·49	0·17	0·49	0·17	0·49	1·35
		Joydebpore ..	...	...	...	...	0·08	0·15	1·36	2	1·59	?	1·59	?	1·59	?
	Hill Tipperah	Agartola ..	...	...	...	...	...	0·20	3·30	2	3·50	0·23	3·50	0·23	5·80	2·54
	Tipperah ...	Comilla ...	...	...	...	...	...	.	3·92	1	3·92	0·20	3·92	0·20	5·89	1·83
		Chandpore ...	...	...	.	...	...	0·05	4·40	1	4·45	0·06	4·45	0·06	4·45	1·31
		Brahmunberia	...	...	...	...	...	1·80	0·90	2	2·70	0·10	2·70	0·10	4·10	1·70
		Ramchandrapore ...	...	...	...	...	0·04					?		?		?
		Nasirnagar ...										?		?		?
		Daudkandi ...	...	...	...	...		...	3·17	1	3·17	?	3·17	?	3·17	?
		Kasba ...	...	...	...	...	0·07	0·08	4·92	1	5·07	?	5·07	?	8·44	?
		Laksham ..	...	...	...	...	...	..	1·20	1	1·20	?	1·20	?	2·06	?
	Mymensingh..	Kishoregunge	...	...	...	...		0·46	1·21	2	1·67	0·19	1·67	0·19	1·67	1·36
		Atia (*Tangail*)	...	...	...	...	...	0·29	0·34	2	0·63	0·06	0·63	0·06	0·63	1·44
		Mymensingh	...	...	...	...	...	1·53	0·29	2	1·82	0·16	1·82	0·16	2·01	1·07
		Jamalpore ..	...	...	...	...	.	1·00				0·18		0·18		1·34
		Netrokona ...	...	...	...	...		1·23	0·35	2	1·58	Nil	1·58	Nil	1·58	1·06
		Subornakhali	...	...	..	...		0·85	0·25	2	1·10	?	1·10	?	1·10	?
		Durgapore ...										?		?		?
		Sherepore Town	...	.	..		.	1·86	0·22	2	2·08	?	2·08	?	2·08	?
		Dewanganj ...	...	...	...	...	1·23	0·61				?		?		?
NORTH BENGAL.	Pubna ...	Pubna ...	...	...	...	...	...	0·75	0·12	2	0·87	0·12	0·87	0·12	0·87	1·48
		Serajgunge ...	...	...	...	...	0·06	0·83	0·17	2	1·06	0·23	1·06	0·23	1·09	1·00
	Bogra ...	Sherepore ...	...	...	...	...	...	1·49	0·30	2	1·79	0·41	1·79	0·41	2·64	1·35
		Nowkhilla ...	...	...	...	...	0·71	1·74	0·22	3	2·67	0·41	2·67	0·41	2·67	1·26
		Bogra ...	...	...	...	...	0·05	2·85	0·70	2	3·60	0·17	3·60	0·17	3·60	1·23
		Panchbibi ..	...	...	...	...	...	0·30	...	1	0·30	0·01	0·30	0·01	0·45	0·44
	Rajshahye ...	Beauleah ...	...	...	...	...	...	...	0·31	1	0·31	0·14	0·31	0·14	0·31	0·98
		Nattore ..	...	...	...	...	0·42	0·80	0·22	3	1·44	0·21	1·44	0·21	1·44	1·14
		Naogaon ...	...	...	...	..	...	1·90	...	1	1·90	Nil	1·90	Nil	1·90	0·45
		Lalpore ...	...	...	...	0·32						?		?		?
		Mande ..	...	...	...	...	...	0·70	0·30	2	1·00	?	1·00	?	1·00	?
	Maldah ...	Maldah ..	...	...	...	...	...	0·26	...	1	0·26	0·16	0·26	0·16	0·26	1·35
		Chanchal ...	...	...	...		...	0·02	...	Nil	0·02	0·19	0·02	0·19	0·02	0·74
		Gajol ...	...	...		..	...	0·15		1	0·15	?	0·15	?	0·15	?
		Sibganj ...	...	...	..	...	0·23	0·70	...	2	0·93	?	0·93	?	0·93	?
	Dinagepore ..	Mohadebpore	...	...	...	...	...	0·50	0·20	2	0·70	0·08	0·70	0·08	0·70	0·29
		Churamon ..	...	...	...	...	...	0·08	.	Nil	0·08	Nil	0·08	Nil	0·08	0·09
		Raigunge ...	.	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·06	Nil	0·16
		Dinagepore .	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·06	Nil	1·79
		Baloorghat .	...	...	...	...	...	...	0·17	1	0·17	Nil	0·17	Nil	0·17	0·18
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Rungpore ...	Bhowanigunge (*Gyabanda*)	...	...	...	...	...	0·32	0·14	2	0·46	0·06	0·46	0·06	0·54	1·07
		Rungpore ...	...	...	...	...	...	0·07	0·02	Nil	0·09	0·09	0·09	0·09	0·69	1·50
		Kurigram ...	...	...	...	...	...	...	0·06	Nil	0·06	0·15	0·06	0·15	0·06	0·74
		Bagdogra (*Nilphamari*)	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·02	Nil	0·48
		Ulipore ...	...	...	...	...	...	...		Nil		?	Nil	?	0·48	?
	Julpigoree ...	Julpigoree ..	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·08	Nil	2·14
		Alipore Dooar	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Debiganj ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Bhagatpore (Nagrakatta)	...	...	...	...		...	...	Nil	Nil	?	Nil	?	1·35	?
	Cooch Behar..	Dinhatta ..	...	...	...	...	...	.	...	Nil	Nil	Nil	Nil	Nil	Nil	0·82
		Cooch Behar .	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	1·06
		Mickligunge ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·80
		Matabhanga...	...	...	...	...	...	..	...	Nil	Nil	Nil	Nil	Nil	Nil	0·72
	Darjeeling Hill.	Buxa	...	...	...	...		...	...	Nil	Nil	0·03	Nil	0·03	1·85	2·95
		Silliguri .	...	...	...	...	...	.	...	Nil	Nil	Nil	Nil	Nil	Nil	0·36
		Darjeeling ...	...	...	...	...	...	.	...	Nil	Nil	0·03	Nil	0·03	0·06	3·29
		Kalimpong .	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·47	0·32
		Kurseong ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
NORTH BEHAR	Purneah ...	Kissengunge...	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·02	Nil	0·04
		Arrareah ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·03	Nil	0·81
		Purneah ...	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·06	Nil	1·45
		Gondwara ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Balarampore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Matiari ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Kaliaganj ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddapore ...	...	...	...	...	...		...	Nil	Nil	0·03	Nil	0·03	Nil	0·83
		Soopool ..	...	...	...	...		...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·74
		Protabganj ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Durbhunga ...	Tajpore ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	Nil	0·68
		Durbhunga ..	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·01	Nil	0·68
		Madhubani ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·66
		Rahera ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Roshera ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamarhi ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·44
		Mozufferpore	...	...	...	...	...	.	.	Nil	Nil	0·05	Nil	0·05	Nil	0·25
		Hajipore ...	...	...	...	...	...	.	...	Nil	Nil	0·06	Nil	0·06	0·17	1·61
		Parn ...	...	...	...	...	...	.	...	Nil	Nil	?	Nil	?	Nil	?
		Mahua ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sinhar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 7th of November 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 1st Nov.	Monday, 2nd Nov.	Tuesday, 3rd Nov.	Wednesday, 4th Nov.	Thursday, 5th Nov.	Friday, 6th Nov.	Saturday, 7th Nov.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
NORTH BEHAR—*concluded.*	Chumparun ..	Motihari .	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·31
		Bettiah .	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·2
		Bagaha ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Sarun ...	Gopalgunge ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·03	0·07	0·09
		Sewan .	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	0·09	0·97
		Chuprah ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·03	Nil	0·72
SOUTH BEHAR	Shahabad	Buxar .	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·06	0·18	1·00
		Dehree ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·69
		Bhaboah ...	...	...	...	...	...	...	...	Nil	Nil	0·34	Nil	0·33	Nil	1·25
		Sasseram ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	Nil	1·07
		Arrah ...	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·05	Nil	0·73
		Mohaniah ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad...	...	...	...	...	...	...	...	Nil	Nil	0·12	Nil	0·12	Nil	0·41
		Gya ...	...	...	...	...	...	...	...	Nil	Nil	0·21	Nil	0·21	0·73	0·91
		Nowadah ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·08	0·07	0·70
		Jehanabad ...	...	...	...	...	...	...	...	Nil	Nil	0·14	Nil	0·14	Nil	0·64
		Arwal .	...	...	...	...	...	...	...	Nil	Nil	?	Nil		Nil	?
		[illegible]audnagar .	...	...	...	...	...	...	...	Nil	Nil	?	Nil		Nil	?
		Sherrghatti	...	...	...	...	...	...	...	Nil	Nil	?	Nil		0·26	?
		Rajauli	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		PakriBarawan	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·03	?
	Patna	Patna ...	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·05	0·21	0·97
		Dinapore	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·05	0·10	0·97
		Behar ...	...	...	...	...	...	...	...	Nil	Nil	0·13	Nil	0·13	0·06	1·07
		Barrh ...	...	...	...	...	...	...	...	Nil	Nil	0·14	Nil	0·14	0·13	1·06
		Bickram ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Hilsa .	...	...	...	...	...	...	...	Nil	Nil	?	?	?	0·41	?
	Monghyr ...	Begooserai ...	...	...	...	...	...	...	...	Nil	Nil	0·21	Nil	0·21	0·05	1·28
		Monghyr	...	...	...	...	...	...	...	Nil	Nil	0·07	Nil	0·07	Nil	1·19
		Jamui .	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·03	0·10	0·73
		Gogri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sheikpura ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore	Bhagulpore ..	...	...	...	...	...	0·01	...	Nil	0·01	0·21	0·01	0·21	0·01	0·91
		Banka .	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·06	0·18	1·21
		Kolgong ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Bongaon ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal ..	...	...	...	...	...	0·14		1	0·14	0·11	0·14	0·11	0·14	0·97
		Godda ...	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·05	0·08	0·75
		Pakour	...	...	...	...	0·90	0·92	...	2	1·82	0·05	1·82	0·05	1·85	0·87
		Nya Doomka	...	...	...	...	...	0·35	0·01	1	0·34	0·16	0·36	0·16	0·38	0·98
		Deoghur .	...	...	...	...	...	0·12	...	1	0·12	0·09	0·12	0·09	0·15	1·60
		Jamtara ...	...	...	...	...	...	0·30	...	1	0·30	0·29	0·30	0·28	0·30	1·07
		Mohagama .										?		?		?
		Nanihat ...	...	...	...	...	...	0·61	...	1	0·61	?	0·61	?	1·76	?
CHUTIA NAGPUR.	Hazaribagh .	Pachamba (*Giridi*).	...	...	...	...	...	...	...	Nil	Nil	0·15	Nil	0·15	Nil	0·94
		Hazaribagh	...	...	...	...	0·08	0·07	...	Nil	0·15	0·16	0·15	0·16	0·15	0·91
		Semtagurah	...	...	...	...	...	...	...	Nil	Nil	0·09	Nil	0·09	Nil	0·42
		Mahudi Hills										0·16		0·16		0·55
		Jhoomra Hills	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·01	0·50	0·50
		Burhi ...	...	...	...	...	...	0·07	...	Nil	0·07	?	0·07	?	0·07	?
		Chatra ..	...	...	...	...	...	0·05	...	Nil	0·05	?	0·05	?	0·05	?
		Karagdeha ..	...	...	...	...	...	0·17	...	1	0·17	?	0·17	?	0·17	?
		Ramghar ..										?		?		?
	Lohardugga ..	Lohardugga...	...	...	...	...	0·04	...	...	Nil	0·04	0·02	0·04	0·02	0·04	0·83
		Ranchi ...	...	...	...	...	...	0·26	...	1	0·26	0·06	0·26	0·06	0·26	1·03
		Palamow ..	...	...	...	...	...	0·06				0·11		0·11		1·02
		Silli ...										?		?		?
		Balumat ...										?		?		?
		Hosseinabad	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Garwah .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Singbhoom	Chyebassa ...	...	...	...	...	...	0·48	...	1	0·48	0·18	0·48	0·18	0·54	1·38
		Chakradharpore.										?		?		?
		Ghatsilla ...	...	...	...	...	...	0·88	Nil	1	0·88	?	0·88	?	0·88	?
		Baharagura										?		?		?
	Manbhoom ..	Purulia ...	...	...	...	...	...	0·43	...	1	0·43	0·08	0·43	0·08	0·65	0·92
		Gobindpore ...	...	...	...	...	...	...	...	Nil	Nil	0·12	Nil	0·12	0·25	1·01
		Raghunathpore.	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Barrabhoom	...	...	...	...	0·20	0·50	...	2	0·70	?	0·70	?	0·70	?
		Jhalda ...	...	...	...	...	...	0·23	...	1	0·23	?	0·23	?	0·23	?
		Chas ...	...	...	...	...	...	0·19	...	1	0·19	?	0·19	?	0·19	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 10*th November* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING 8 A.M., SATURDAY, THE 7TH OF NOVEMBER 1891.

IN the report for the week ending 31st October, it was stated that squally weather had formed in the south of the Bay, but that, though the disturbed weather existed as far north as about 11° N. Lat., there was nothing to show that the conditions were developing or had formed any definite storm. On Sunday, the 1st of November, the changes which took place at the coast stations round the Bay were small. Pressure was falling very slowly only over the whole Bay; light to moderate north-easterly winds were blowing at the stations on the east coast and north-westerly winds generally at the western stations, while moderate to heavy rain was falling along the Madras Coast from Cuddalore southwards. Though the coast stations in no way showed the formation of a barometric depression, it is probable that one was forming, or even had formed, on this day close to the Andaman Islands. It was probably not of much intensity when the meteorological observations were taken on this morning, though it must have developed rapidly during the day, for reports received from Port Blair in the Andamans seem to show that a rather severe cyclone passed over that station during Sunday night, the 1st instant, and on Monday morning the 2nd instant. The wind directions reported from that station indicate that the centre of the storm passed over it between 2 and 3 A.M. of the 2nd, when there was a lull in the storm for about 40 minutes, while the total duration of the storm was about 7 hours. Even at this period it was a very violent storm, and caused much destruction of life and property. As, however, the Andaman Islands are not connected by telegraph with the main land, no information was available from Port Blair as to the formation of the storm. On the morning of the 2nd November the meteorological observations taken at the coast stations round the Bay showed the existence of bad weather. There had been a general, but only moderate, fall of pressure all round the Bay, which was largest at Diamond Island and in the south of the peninsula, and winds at Diamond Island which had previously been N. N. E. and of light force, at 8 A.M. of the 2nd had become E. N. E. and were strong in force. So far as can be ascertained from the observations at the coast stations in the absence of the Port Blair information, the centre of the storm was to the south-west or west-south-west of Diamond Island, or to the west or west-north-west of the Andamans, on the morning of the 2nd, but probably a long distance (perhaps 300 miles) from land. The observations at the coast stations on this day did not point to the storm being more than of moderate intensity. On the 3rd the storm had distinctly moved in a north-westerly direction, and its centre was probably in the latitude of Nellore in about 14° N. Lat. and 87° E. Long. and still at a long distance from land. From the 2nd to the 3rd the storm does not appear to have increased in intensity as judged by the observations taken at the coast stations, for though fairly strong winds were blowing at some of the west coast stations, yet in the rear of the storm winds had rapidly decreased in force, and moderate winds only were blowing at Diamond Island, the velocity having decreased from 13 miles an hour reported on the morning of the 2nd to 9 miles reported on the morning of the 3rd instant. From the 3rd to the 4th, however, the storm very rapidly increased in intensity and became a distinct and rather violent cyclone, and wind velocity at Diamond Island on this day showed the increase in intensity of the storm by rising up to 18 miles an hour. The cyclone had also again advanced in a north-westerly direction, and its centre at 8 A.M. of the 4th was probably opposite Vizagapatam, or to the south-east of Gopalpur, and about perhaps 200 miles from land. The storm centre apparently reached the land near Gopalpur on the early morning of the 5th, for the meteorological observer at that station reported that the centre of a cyclone passed over that station between 2 and 5 A.M. of the 5th. At this time the cyclone appears to have altered the direction of its advance, and to have taken up a northerly direction. It then advanced slowly either close to the coast of Orissa or a short distance inland, passing near Pooree, and the meteorological observer at Pooree has reported that that station was visited by a heavy cyclone from 10-25 P.M. of the 4th to 1-30 P.M. of the 5th, receiving the very heavy rainfall of 13·61 inches, and that during the storm house property was seriously damaged and some lives were lost. The telegram, however, does not state that the calm centre passed over the station, and it is probable from the observations received from Cuttack that the centre passed between Pooree and Cuttack, for about 1 P.M. of the 5th the centre of the storm was to the east of Cuttack, though probably some distance away. The precise line of advance of the storm through Orissa is at present difficult to determine, for early in the storm the telegraph wires to Pooree and False Point were carried away, and no observations have since been received from those stations. The direction of the advance of the storm must, however, have again changed at this time, and the storm evidently commenced to recurve towards the north-east. The centre was to the south of Balasore between 8 and 11 P.M. of the 5th, but at some distance from it, and it passed to the south of Saugor Island about 2 A.M. of the 6th, also at some distance from the land, and at 8 A.M. it was to the south-east of that station. The centre passed about 80 to 120 miles to the south-east of Calcutta about noon of the 6th, and afterwards a little to the north of Burrisal between 5 and 8 P.M. of the same day, but the rapidity of the north-easterly advance of the storm had at this time greatly increased, and by the morning of the 7th the storm had left Bengal altogether, and was probably in Sylhet or Cachar. It had also rapidly decreased in intensity, and on this

day was of little importance. On the 7th any residual low pressure due to the disintegrated storm was probably in Upper Assam or Upper Burma, but the storm had then practically ceased to exist.

The lowest pressure during the passage of the storm of which any record has yet been received from any of the meteorological observatories was 29·39″ at Gopalpur at 2 A.M. of the 5th; but the barometric reading during the passage of the calm centre was not given by the observer. Telegraphic communication with False Point and Pooree also failed rather early during the storm, so that no barometric records are available for these stations, but it is probable that much lower pressures than that above recorded actually existed in and near the centre of the storm, for observations made on some of the vessels in the north-west angle of the Bay which were involved in the storm, particularly on board the ship *Lena*, appear to show that a pressure of about 28 inches or even 27·9 inches was experienced.

The cyclone was of course accompanied by a very complete cyclonic circulation of winds, apparently even from its formation close to the Andamans, and the storm, though by no means so large and so fierce as many cyclones have been, was attended by extremely fierce and destructive winds. The highest recorded wind velocity shown in the observations as yet received from the meteorological observatories was the average velocity of 59 miles an hour at Pooree, just before the time when the telegraphic communication with that station ceased during the night of the 4th. Judging, however, by the fact that this was only the average hourly velocity for 3 hours, and that this occurred before the full force of the storm reached the station, it is probable that in the squalls and close to the calm centre the velocity of the wind must have run up to at least 80 or 90 or even 100 miles an hour. The strength of the wind is also shown by the number of vessels in the north-west angle of the Bay which were dismasted by the force of the cyclone, and by the damage done in the Andamans at a time when the cyclone could not have attained its full force.

The storm has brought up rain to all the districts through which it passed, but on the whole the rainfall has been smaller in amount than is usual in large and fierce cyclones. Orissa has received a very heavy rainfall, and one station, Pooree, has reported 13·61 inches during the storm, while Kendrapara received about 15·7 inches, and so on; but the falls were much smaller in South Bengal than in Orissa, and in Sylhet and Assam the falls had become very light. With the approach of the storm into the north-west of the Bay, the weather conditions in Bengal at once completely changed. Fine settled weather of north east monsoon character had obtained at the commencement of the week, but from the morning of the 3rd the sky rapidly clouded in the southern districts till it became almost overcast over the whole province, and from the morning of the 4th light rain commenced in Orissa. The rainfall was heavy over the whole of Orissa on the 5th and 6th, and on the latter date rather heavy rain commenced in South Bengal, and moderate rain continued to fall on the 6th and 7th in East Bengal and over the southern districts of North Bengal. Chutia Nagpur and the Sonthal Pergunnahs districts in South Behar also received light to moderate rain on the 5th and 6th instant. It will thus be seen that the weather conditions in Bengal during the week have been entirely controlled by the advance of the cyclone towards the province, and by its subsequent passage through the southern half of it, and one of the beneficial effects of the storm has been to give rain to all districts except Behar and part of North Bengal.

Pressure.—The variations of pressure during the week need not be discussed in detail, for from almost the commencement of the week the general distribution and the variations of pressure have been governed by the cyclone which has just been described. Pressure was high at the commencement of the week, and then fell steadily up to the 7th, a fall of nearly half an inch occurring in the first four or five days at some of the southern stations, though in the north of the province the barometer was less affected. The mean pressure has consequently been in defect of the normal for the week, the defect at such stations as Gopalpur, Cuttack, and Saugor Island equalling about 0·05″, while in the north of the province pressure has been above the normal by about 0·02″ or 0·03″.

Temperature.—In front of the advancing storm, temperature, as usual, increased considerably, and damp, warm, muggy weather generally prevailed in Bengal. The mean temperature of the province for the week has therefore been in excess of the normal in all districts except Orissa and South-West Bengal, where, owing to the fall of temperature at the end of the week, due to the heavy rainfall, very slight defects have been registered. In South Behar and Chutia Nagpur, excess temperatures of between 1° and 2° have been registered, and in East and North Bengal and North Behar the excess has been between half and one degree. For the whole of Bengal the excess has equalled about 0·6°. In Assam, on the other hand, a defect in the mean temperature of 1·3° is registered.

Rainfall.—The reports of rainfall received from Orissa are not yet complete, but so far the average fall for the week which has been recorded equals 5·70 inches. In East Bengal the fall has equalled 1·50 inches, in South-West Bengal 0·91 inch and in North Bengal 0·60 inch. In the districts further inland, the falls have been smaller, and South Behar and Chutia Nagpur report average falls of 0·11 inch and 0·14 inch respectively. In the case of South Behar, however, the rainfall has been mainly confined to the Sonthal Pergunnahs district. The only division where no rain has fallen is North Behar.

Comparing these falls with those which usually occur early in November, the falls in Orissa, South-West, East and North Bengal have been very largely in excess of the normal amounts, and the falls in South Behar and Chutia Nagpur do not differ much from the usual falls which may be expected. In North Behar at this season practically no rain ever falls, and hence rainfall cannot be said to have been deficient in that division.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 7th of November 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 18th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	88·4	63·7	84·7	69·2	77·0	-0·2	5·70	0·37	+5·33	3·30	0·64	+2·66	5·70	0·37	5·84	3·01
South-West Bengal ...	93·0	63·2	83·8	68·4	76·1	-0·2	0·91	0·13	+0·78	1·33	0·23	+1·10	0·91	0·13	0·89	1·47
East Bengal	90·6	63·6	84·4	69·1	76·8	+0·5	1·50	0·24	+1·26	2·00	0·31	+1·69	1·50	0·24	2·07	2·13
North Bengal	88·8	60·1	83·3	64·6	74·1	+0·5	0·60	0·10	+0·50	0·80	0·13	+0·67	0·60	0·10	0·65	0·55
North Behar	87·8	65·9	85·0	61·6	73·8	+0·7	Nil	0·03	−0·03	0·00	0·06	−0·06	Nil	0·03	0·01	0·71
South Behar	88·4	59·8	85·6	65·0	75·4	+1·7	0·11	0·11	0	0·25	0·11	+0·14	0·11	0·11	0·10	0·95
Chota Nagpur	83·7*	58·9*	78·8*	62·9*	70·8*	+1·1*	0·14	0·10	+0·04	0·27	0·26	+0·01	0·14	0·10	0·21	0·87
Assam	92·5	57·2	82·5	64·1	73·3	−1·3										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 10th November 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the month of October 1891.

	Inches.	Date.
	Θ	
The mean pressure at 10 A.M during the month	29·958	
The mean temperature at 10 A.M. during the month	85·2	
The highest temperature during the month	92·5	
The lowest temperature during the month	68·7	
The absolute range of temperature during the month	23·8	
The mean daily range of temperature during the month ...	15·7	
The greatest range of temperature in one day during the month ...	21·3	
	°/o	
The mean 10 A.M. humidity during the month	64	
	Inch.	
The mean 10 A.M. vapour tension during the month	·771	
	Inches.	
The total rainfall of the month	0·15	
The greatest fall in 24 hours	0·15	
The number of rainy days in the month	1	

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 7th November 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 1st to 7th November 1891.

MONTH.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	TEMPERATURE. Daily mean.	Maximum.	Range.	Minimum.	HYGROMETRY. Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
November ...	1st ...	30·070	77·1	87·2	20·3	66·9	82·6	71·1	·608	64·5	55	Nil
,, ...	2nd ...	·018	76·5	85·9	18·8	67·1	82·4	71·6	·631	65·6	57	,,
,, ...	3rd ...	·000	79·1	88·8	19·4	69·4	83·0	72·6	·662	66·9	59	,,
,, ...	4th ...	29·937	77·4	81·9	9·1	72·8	79·6	74·9	·804	72·6	79	,,
,, ...	5th ...	·869	75·7	78·4	5·4	73·0	76·6	72·6	·748	70·5	82	,,
,, ...	6th ...	·759	75·9	78·9	6·1	72·8	76·6	73·6	·790	72·1	86	0·37
,, ...	7th ...	·951	74·4	82·9	17·0	65·9	75·1	70·6	·690	68·2	79	0·03

	Inches.
The mean 10 A.M. pressure of the seven days	29·943
	°
The mean temperature of the seven days	76·6
The extreme variation of temperature	22·9
The maximum temperature	88·8
	°/o
The mean 10 A.M. relative humidity of the seven days	71
	Inches.
The total fall of rain from 1st to 7th November 1891	0·40

The daily mean temperatures are the crude means of maximum and minimum temperatures

C. LITTLE,
For Meteorological Reporter to the Govt. of India

METEOROLOGICAL OFFICE, INDIA,
The 9th November 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 1st to 7th November 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction	Wind. Miles recorded.	Rain.	Weather
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Nov.	1st	139·5	10·3	30 006	75·9	85·2	18 9	66·3	68·4	0·591	63 8	68	N, NNE and NNW	85	Nil	Clear, ⌓.
,,	2nd	142·6	9·6	29 956	76·1	86·8	18·6	68 2	68·9	·609	64·6	70	N, NNE and calm	68	,,	Day clear, night partially cloudy.
,,	3rd	145 6	4·8	·940	77·6	86 8	18 2	63·6	70 7	·663	67·0	71	NE and N ..	84	,,	Chiefly cloudy, o.
,,	4th	107·5	Nil	·891	77·0	81 8	9 9	71 9	72 3	·731	69·8	78	ENE and E ...	91	,,	Cloudy, o, g.
,,	5th	102 7	...	·809	74·5	78·0	4 6	73·4	72 6	·776	71·6	91	ENE and E ...	207	0·41	Cloudy, o, g, d, p.
,,	6th	135·0	1·0	·762	73·7	79·0	6·6	72·4	71 9	·759	71·0	91	NE, NNE and NNW.	262	0 10	Chiefly cloudy, o, g, p
,,	7th	136 4	9·7	·902	72 5	82 0	15·8	66 2	68 3	·637	65·8	80	NNW, NW and N	71	Nil	Morning cloudy, day and night Clear o, ⌓.

	Inches.
The mean pressure of the seven days	29·895
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29 920
	Hours.
The total number of hours of bright sunshine	35·4
The maximum possible number of hours of sunshine	78·5
	°
The mean temperature of the seven days	75·3
The average temperature of the corresponding period for 24 years, S.-G.'s Office	78·2
The extreme variation of temperature	20·6
The maximum temperature	86·8
	Miles.
The highest velocity of the wind in one hour	19
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	78
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	74
	Inches.
The total fall of rain from 1st to 7th November 1891	0·51
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·27
The total fall from 1st January to 7th November 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	64·74

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast; g gloomy; d drizzling rain; p passing temporary showers; ⌓, dew.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 9th November 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 17th October 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS. Number of—			BIRTHS. Ratio per 1,000 of population per annum.			BIRTHS. Ratio of male births to every 100 female births.	MORTALITY ACCORDING TO— Diseases. Deaths from—							MORTALITY ACCORDING TO— Diseases. Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the preceding week.	Sex. Deaths.		Sex. Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*		Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*		Male.	Female.	Male.	Female.	
Burdwan ...	Burdwan ...	18,063	16,017	34,080	6	2	*8*	9·2	3·0	*12·2*	300	2	...	8	3	...	2	*15*	3·0	...	12·2	4·6	...	3·0	*22·9*	41·2	6	9	17·3	29·2	59
	Raniganj ...	6,246	4,691	10,937	2	1	*3*	9·5	4·7	*14·3*	200	3	...	3	1	...	...	*7*	14·3	...	14·3	4·7	...	...	*33·3*	47·5	6	1	50·0	11·1	450
Bankura ...	Bankura ...	8,970	8,925	17,895	...	1	*1*	...	2·9	*2·9*	No male birth.	...	...	1	1	.	...	*2*	...	...	2·9	2·9	...	...	*5·8*	26·2	1	1	5·8	5·8	100
Birbhum ...	Soori ...	3,982	3,866	7,848	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19·9	...	...	...	...	...
Midnapore ...	Midnapore ...	16,927	16,633	33,560	8	6	*14*	12·4	9·3	*21·7*	133	1	...	5	...	..	6	*12*	1·5	...	7·7	...	...	9·3	*18·6*	26·3	3	9	9·2	28·1	33
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	11	9	*20*	18·0	14·8	*32·8*	122	4	...	39	13	...	7	*63*	6·6	...	64·0	21·3	...	11·5	*103·4*	57·4	36	27	118·0	88·7	133
	Serampore ...	13,559	12,937	26,496	12	6	*18*	23·5	11·8	*35·3*	200	24	...	15	11	...	8	*58*	47·1	...	29·4	21·6	...	15·7	*113·8*	88·3	23	35	88·2	140·7	63
	Utterpara ...	3,046	2,464	5,510	1	2	*3*	9·4	18·9	*28·3*	50	1	..	1	...	...	...	*2*	9·4	...	9·4	..	...	...	*18·9*	9·4	2	...	34·1	...	No female death.
Howrah ...	Howrah ...	53,153	37,660	90,813	22	17	*39*	12·6	9·7	*22·3*	129	15	...	18	9	1	7	*50*	8·6	...	10·3	5·1	·6	4·0	*28·6*	24·6	34	16	33·3	22·1	150
	Bali ...	7,836	6,979	14,815	4	1	*5*	14·0	3·5	*17·5*	400	13	...	8	1	...	1	*23*	45·6	...	28·1	3·5	...	3·5	*80·7*	49·1	13	10	86·3	74·5	116
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	5	7	*12*	9·9	13·8	*23·7*	71	37	...	16	2	...	5	*60*	73·2	...	31·6	4·0	...	9·9	*118·7*	106·8	47	13	152·0	66·2	229
	Manicktolla ...	16,536	12,112	28,648	1	...	*1*	1·8	...	*1·8*	No female birth.	1	...	3	1	...	..	*5*	1·8	...	5·4	1·8	...	...	*9·1*	18·2	3	2	9·4	8·6	109
	Baranagore ...	15,920	14,062	29,982	6	4	*10*	10·4	6·9	*17·3*	150	4	...	8	1	...	1	*14*	6·9	...	13·9	1·7	...	1·7	*24·3*	53·8	6	8	19·6	29·6	66
	South Suburban	26,400	25,258	51,658	7	7	*14*	7·0	7·0	*14·1*	100	2	...	12	2	...	5	*21*	2·0	...	12·1	2·0	...	5·0	*21·1*	14·1	10	11	19·7	22·6	87
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	4	3	*7*	7·6	5·6	*13·2*	133	...	...	2	...	...	2	*4*	...	...	3·8	...	...	3·8	*7·6*	3·8	1	3	3·9	11·0	35
	Ranaghat ...	4,028	4,655	8,683	4	1	*5*	23·9	6·0	*29·9*	400	...	...	4	...	...	...	*4*	—	...	23·9	...	...	...	*23·9*	18·0	1	3	12·9	33·5	38
	Santipore ...	13,708	15,979	29,687	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7·0	...	...	...	...	...
Jessore ...	Jessore ...	4,830	3,665	8,495	1	3	*4*	6·1	18·4	*24·5*	33	...	..	7	1	...	3	*11*	...	...	42·8	6·1	...	18·4	*67·3*	12·2	9	2	96·9	28·4	341
Murshedabad	Berhampore ...	11,657	11,948	23,605	6	5	*11*	13·2	11·0	*24·2*	120	2	...	3	2	...	13	*20*	4·4	...	6·6	4·4	...	28·6	*44·1*	35·2	14	6	62·5	26·1	239
	City Murshedabad	18,901	20,330	39,231	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15·9	...	...	...	...	...
Khulna ...	Khulna ...	3,249	3,043	6,293	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57·9	...	...	...	...	...
Dinajpore ...	Dinajpore ...	7,254	5,306	12,560	...	...	...	...	..	...	...	...	...	3	...	...	5	*8*	...	...	12·4	...	...	20·7	*33·1*	33·1	4	4	28·7	39·2	78

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	5	5	*10*	13.1	13.1	*26.3*	100	1	..	22	...	...	1	*24*	2.6	...	57.8	...	...	2.6	*63.1*	47.3	12	12	58.0	89.1	84
Rungpore ...	Rungpore	8,011	5,309	13,320	3	...	*3*	11.7	...	*11.7*	No female birth.	...	...	1	...	...	3	*4*	...	...	3.9	...	...	11.7	*15.6*	31.2	3	1	19.5	9.8	189
Bogra ...	Bogra	3,480	2,699	6,179	...	...	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	......
Pubna ...	Pubna	7,701	7,566	15,267	5	7	*12*	17.0	23.8	*40.9*	71	...	..	5	...	...	4	*9*	...	...	17.0	...	...	13.6	*30.7*	30.7	6	3	40.5	20.6	197
	Serajganj	11,213	9,824	21,037	1	2	*3*	2.5	4.9	*7.4*	50	1	.	3	1	...	...	*5*	2.5	...	7.4	2.5	...	...	*12.4*	17.3	3	2	13.9	10.6	131
Darjeeling ...	Darjeeling... ...	4,579	2,439	7,018	4	2	*6*	29.6	14.5	*44.5*	200	...	..	3	...	..	...	*3*	...	...	22.2	...	...	...	*22.2*	22.2	1	2	11.4	42.6	267
Julpaiguri ...	Julpaiguri.. ...	4,972	2,975	7,947	3	2	*5*	19.6	13.1	*32.7*	150	...	...	7	3	1	6	*17*	...	...	45.3	19.6	6.5	39.3	*111.2*	32.7	15	2	156.9	35.0	448
Dacca ..	Dacca	42,782	37,379	80,161	16	15	*31*	10.4	9.7	*20.1*	106	3	...	6	7	1	14	*31*	1.9	...	3.9	4.5	.6	9.1	*20.1*	20.1	18	13	21.9	18.1	131
	Narainganj... ...	7,605	4,956	12,561	3	5	*8*	12.4	20.7	*33.1*	60	...	.	3	2	...	.	*5*	...	...	12.4	8.3	...	...	*20.7*	45.5	3	2	20.5	21.0	98
Faridpore ...	Faridpore	5,663	4,600	10,263	...	3	*3*	...	15.2	*15.2*	No male birth.	...	...	1	1	...	..	*2*	.	..	5.0	5.0	...	...	*10.1*	...	1	1	9.2	11.3	81
Backerganj ...	Barisal	8,701	4,485	13,186	1	1	*2*	3.9	3.9	*7.9*	100	2	...	2	...	..	1	*5*	7.9	..	7.9	...	...	3.9	*19.7*	3.9	3	2	17.9	23.2	77
Mymensing ...	Nasurabad ...	10,443	4,413	14,856	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	3.5	...	...	...	...	......
Chittagong ...	Chitagong	13,340	8,790	22,130	..	...	...	...	.	...	...	...	..	...	...	...	...	...	...	...	..	..	..	...	...	4.7	...	...	...	...	......
Noakhali ...	Sudharam ...	3,410	1,714	5,124	...	...	...	...	...	..	...	...	...	..	..	.	...	..	...	...	...	..	...	..	..	..	...	...	...	...	.....
Tipperah ...	Comillah	8,153	5,353	13,506	5	3	*8*	19.3	11.5	*30.8*	166	...	.	4	...	...	1	*5*	..	..	15.4	...	...	3.9	*19.3*	15.4	3	2	19.1	19.4	98
Patna ...	Patna City ...	78,762	81,475	160,237	39	33	*72*	12.7	10.7	*23.4*	118	9	..	29	2	...	13	*53*	2.9	...	9.4	.6	...	4.2	*17.2*	23.7	31	22	20.5	14.0	146
	Behar	23,799	25,172	48,971	9	8	*17*	9.6	8.5	*18.1*	112	...	...	7	2	...	6	*15*	.	...	7.4	2.1	...	6.4	*15.9*	14.9	8	7	17.5	14.5	120
Gya ...	Gya	38,290	37,831	76,121	24	26	*50*	16.4	17.8	*34.2*	92	3	...	33	1	1	22	*60*	2.0	..	22.5	.7	.7	15.0	*41.0*	56.0	24	36	32.6	49.5	66
Shahabad ...	Arrah	20,960	22,505	43,465	14	14	*28*	16.7	16.7	*33.5*	100	...	...	7	1	...	6	*14*	...	.	8.4	1.2	...	7.1	*16.7*	14.4	6	6	14.9	18.5	80
	Buxar	9,299	8,369	17,668	3	1	*4*	8.8	2.9	*11.8*	300	...	1	..	...	...	.	*1*	...	2.9	...	..	...	.	*2.9*	44.1	1	...	5.6	...	No female death.
Mozufferpore ..	Mozufferpore ...	23,084	19,658	42,742	10	8	*18*	12.2	9.7	*21.9*	125	1	...	8	5	...	2	*16*	1.2	...	9.7	6.1	...	2.4	*19.5*	14.6	11	5	24.8	13.2	188
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	34	21	*55*	26.7	16.5	*43.3*	162	...	1	18	1	...	7	*27*	...	.8	14.1	.8	..	5.5	*21.2*	15.7	17	10	26.2	16.1	163
Sarun ...	Chupra	25,116	26,554	51,670	24	19	*43*	24.2	19.1	*43.3*	126	8	..	2	1	...	21	*32*	8.0	..	2.0	1.0	...	21.1	*32.2*	46.3	12	20	24.8	39.2	63
Chumparun ..	Motihari	6,328	3,979	10,307	5	8	*13*	25.2	40.4	*65.6*	62	...	...	9	2	...	3	*14*	...	.	45.4	10.1	..	15.1	*70.6*	70.6	6	8	49.3	104.5	47
Monghyr ...	Monghyr	28,154	29,366	57,520	19	16	*35*	17.2	14.4	*31.6*	118	4	...	21	5	...	8	*38*	3.6	..	19.0	4.5	...	7.2	*34.4*	41.6	18	20	33.2	35.4	94
	Jamalpore.. ..	7,456	6,107	13,563	11	5	*16*	42.2	19.1	*61.3*	220	3	...	4	1	...	6	*13*	7.6	.	15.3	3.8	...	23.0	*49.8*	43.6	6	7	41.8	59.6	70
Bhagulpore ..	Bhagulpore ..	34,916	33,322	68,238	...	...	...	...	...	...	...	.	.	..	...	...	.	..	...	..	...	...	...	..	..	15.2	...	...	...	...	...
Purneah ..	Purneah	8,463	6,553	15,016	4	2	*6*	13.9	6.9	*20.8*	200	.	...	8	.	.	2	*10*	...	.	27.7	...	..	6.9	*34.6*	24.2	10	...	61.4	...	No female death.
Maldah ..	English Bazar ..	6,289	6,141	12,430	1	7	*8*	4.2	29.3	*33.5*	14	4	..	14	3	...	4	*25*	16.7	...	55.5	12.6	...	16.7	*104.6*	66.9	18	7	148.8	59.3	251
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	3	3	*6*	19.5	19.5	*39.0*	100		...	1	2	...	3	*6*	..	...	6.5	13.0	.	19.5	*39.0*	19.5	2	4	21.0	68.4	39
Cuttack ...	Cuttack	22,632	20,607	43,239	10	6	*16*	12.0	7.2	*19.2*	166	...	1	4	...		7	*12*	...	1.2	4.8	...	...	8.4	*14.4*	15.6	6	6	13.8	15.1	91
Poori ...	Poori	13,247	11,537	24,784	3	6	*9*	6.3	12.6	*18.9*	50	5	..	13	10	...	4	*32*	10.5	..	27.3	20.9	...	8.4	*67.1*	35.7	18	14	70.7	65.1	112
Balasore ...	Balasore	10,282	9,983	20,265	9	7	*16*	23.1	18.0	*41.1*	128	...	...	4	1	..	3	*8*	...	...	10.2	2.6	...	7.7	*20.5*	38.5	6	2	30.3	10.4	290
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	3	3	*6*	10.2	10.2	*20.4*	100	...	...	5	..	..	2	*7*	...	..	17.0	...	...	6.8	*23.8*	27.2	3	4	20.4	27.1	75
Lohardugga ..	Ranchi	10,101	5,342	15,443	5	3	*8*	14.1	8.4	*22.6*	166	...	...	2	1	...	4	*7*	...	..	5.6	2.5	...	11.3	*19.7*	11.3	3	4	15.4	24.9	62
Singbhum ..	Chaibassa	3,126	2,880	6,006	...	1	*1*	...	8.7	*8.7*	No male birth.	...	...	2	...	..	1	*3*	...	.	17.3	...	.	8.7	*26.0*	8.7	2	1	33.3	18.1	184
Manbhum ...	Purulia	5,060	4,244	9,304	2	2	*4*	11.1	11.1	*22.3*	100	...	..	6	...	...	...	*6*	...	.	33.5	...	...	...	*33.5*	39.1	3	3	30.8	36.8	63
	Total ...	573,096	765,969	1,657,?95	378	319	*697*	11.9	10.0	*21.9*	118	152	3	410	100	4	219	*888*	4.8	.1	12.9	3.1	.1	6.9	*27.9*	29.0	498	390	29.7	25.8	115

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	..	10	5	..	.	..	22·0	25·3	.	..	2	...	2		1	1	3	2	3	1	157·6	.	44·6		16·6	6·6	22·6	25·5	63·5	35·1
	Kanigauj		6	1	...	..	...	33·0	28·3	...	...	1		..	1	.	1	1	3	...		221·3	..	.	57·1	...	21·5	24·2	124·7		...
Bankura	Bankura	...	2	.	..	.	...	6·1	...	.	.	..	.	...	1	..	1		...	...		...	..	...	28·7	..	15·8		..		.
Birbhum	Suri	.	...	..	.	.	..	...	..	.	.	...	...	..	..	.	...	.	.	..	.	...	...	...	...	..	..	..	.	...	...
Midnapore	Midnapore	...	8	4			..	16·0	28·8	.	..	2	2	..		1	1	2	2	...	2	140·0	44·2	.		16·5	7·1	15·8	27·9	..	56·8
Hughli, including Serampore.	Hughli and Chinsurah.	1	53	9		...	228·1	169·0	75·9		..	10	8	8	4	3	4	6	6	4	10	647·6	187·4	144·1	53·8	62·2	33·5	54·7	74·8	80·0	250·8
	Serampore	..	56	2	...			115·4	110·9	..	.	3	10	9	2	3	7	8	1	7	8	219·7	288·1	186·2	45·8	71·5	67·6	63·7	15·4	130·1	299·1
	Utterpara	...	2	...	..	..	...	19·5	.	.		...				1	1	.				..	..	.	...	118·2	45·2	...	...	...	...
Howrah	Howrah	1	40	9		.	27·5	[illegible]	22·9	..	...	5	9	5	1	2	10	7	3	3	5	126·0	84·5	41·3	7·9	14·2	22·9	18·9	13·3	28·4	69·3
	Bali	...	21	2	...	...	.	81·4	79·3	..	...	1	5	..	2	2	1	6	1	2	3	143·6	260·3	...	57·6	77·9	15·5	111·9	26·9	93·2	213·1
24-Pergunnahs.	Cossipore-Chitpore	.	40	20	..	..	.	117·5	[illegible]	...	..	2	4	10	2	3	12	9	8	6	4	217·6	235·8	663·3	41·2	171·6	65·6	73·1	166·2	32·7	444·4
	Manicktola	...	4	1	.	..	.	12·4	4·3	...	.	1	1		.	1	1		...	1	...	838·7	343·1	..		27·3	6·4	..	...	32·0	..
	Baranagore	...	13	1	...	...	...	23·2	12·6	...	..	2	3	1	2	..	2	2	..	...	2	153·6	76·0	29·9	44·4	.	16·2	17·8	.	..	62·1
	South Suburban	...	15	6	...	...	..	24·6	16·0	..	...	3	2	.		3	1	..	2	4	6	117·6	21·9		...	35·3	5·1	...	17·6	62·7	95·9
Nuddea	Krishnagar	..	4	...	...	...	..	11·2	...	...	...	2	.		...	...	.		.	...	3	209·7	...	...	..	...	...	...	...	..	60·2
	Ranaghat	...	4	...	...	...	..	28·4	...	...	...	1	...		..	.	1		.	2	..	251·2	..	...	...	..	34·5	..	..	143·6	...
	Santipore	...	...	...	..	...	.	.	...	..		...	.	.	...	.	.	...	...	..		..	...	.	...	..	...	.	...	..	...
Jessore	Jessore	..	4	7	...	.	.	46·1	95·2	...	...	...	1	3	...	1	2	1	1	2	...	.	105·3	196·7	..	71·0	51·6	34·0	49·5	184·7	...
Murshedabad.	Berhampore	2	10	8	...	...	442·6	25·6	80·2	..	...	5	4	1	1	2	1	1	2	2	1	659·7	130·5	24·6	27·3	59·0	11·7	11·7	30·2	55·3	32·5
	City Murshedabad	..	...	...	...	...	...	...	...	..	...	...	...	.	.	...	..	...	..	...	...	...	...	...	..	...	...	..	...	...	...
Khulna	Khulna	...	...	...	...	...	.	...	...	...	...	...	...	..	.	..	...	...	...	.	..	...	...	...	...	...	...	...	...	...	...
Dinajpore	Dinajpore	...	4	4	...	..	...	34·3	32·5	...	...	...	...	2	...	..	3	...	2	...	1	...	...	83·1	...	...	57·9	...	66·3	...	51·4
Rajshahye	Rampore-Beauleah	.	12	12	..	.	...	63·0	63·6	.	...	4	2	4	3	...	3	3	...	2	3	512·3	73·3	100·0	86·6	...	37·5	43·3	...	83·8	163·0
Rungpore	Rungpore	..	...	4	...	...	...	...	31·3	...	.	1	...	..	1	...	...	2	...	...	..	223·2	...	...	47·0	..	...	37·8	...	.	...
Bogra	Bogra	..	...	...	...	...	...	...	...	...	..	...	...		..	...	...	...	...	...	..	..	...	...	.	..	...	.	..	...	...

District	Town																														
Pubna	Pubna	...	2	7	...	...	...	14·6	44·9	...	...	3	...	1	2	...	...	...	3	...	...	392·9	...	30·8	75·5	...	...	...	91·5	...	...
	Serajganj	...	3	2	...	..	...	18·2	8·5	...	...	...	...	..	...	...	...	..	...	3	2	..	...	...	.	...	...	...	...	124·9	89·3
Darjeeling	Darjeeling	...	2	1	...	...	...	22·6	85·0	...	...	...	1	2	...	...	...	...	...	..	...	...	80·9	177·8	...	...	...	.	...	...	...
Julpaiguri	Julpaiguri	...	13	4	...	...	...	159·2	57·0	...	...	1	2	1	1	...	3	4	4	...	1	353·7	141·1	57·0	72·0	...	86·0	137·9	279·6	...	165·1
Dacca	Dacca	1	22	8	...	...	109·5	28·4	10·8	...	...	5	1	..	...	1	11	3	2	7	1	137·0	7·1	...	..	7·1	37·3	13·4	12·4	76·9	9·3
	Narainganj	...	3	2	...	...	...	24·7	16·9	...	...	1		...	...	..	.	...	1	2	1	186·4	...	...	...	...	...	...	37·3	133·0	79·8
Faridpore	Faridpore	...	...	2	..	..	..		21·4	..	...		.	...	..	...	1	...	..	...	1	..	...	...	...	...	28·0	...	...	...	70·2
Backerganj	Barisal	...	2	3	...	...	...	17·2	22·8	...	.	1	1	1	...	1	1	.		...	..	265·3	61·1	48·0	...	41·1	16·4	...	...	..	...
Mymensing	Nasirabad	...	...	...	...	...	...	..	...	...	...	...	.		...	.	...	...	...	...	.	...	...	..	...	...	...	...	...	...	...
Chittagong	Chittagong	...	...	...	.	...	...	...	..	...	...	...	.	...	...	..			...	...		...	...	...	..	...	.	..	...	...	...
Noakhali	Sudharam	..	...	..	.	...	...	...	...	...	..	...	...	...	..	.	.	...		..	...	...	...	...	.	...	...	...	...	...	...
Tipperah	Comillah	..	1	4	...	..	...	8·7	28·1	...	...	...	...	3	...	...	1	.	...	1		.	..	25·8	...	...	18·8	...	...	64·9	..
Patna	Patna City	..	49	4	...		...	21·4	5·1	...	..	6	4	7	2	...	5	6	4	6	11	72·4	14·3	21·6	7·2	...	9·0	17·9	11·0	22·1	41·4
	Behar	...	8	7	...	...	...	12·4	23·8	...	...	..	5	1	1	...	5	...		2	1	..	44·9	8·6	15·8	..	3·7	...	...	28·7	14·5
Gya	Gya	.	51	9	...	...	...	44·2	29·1	..	...	9	14	4	2	1	11	4	4	2	9	211·5	114·6	23·7	15·5	9·9	35·9	16·3	24·3	15·8	90·9
Shahabad	Arrah	...	13	2	...	...	..	20·1	8·4	...	..	4	3	1	...		2	3	1	...		101·5	35·2	10·1	.	..	13·2	24·2	11·1	...	...
	Buxar	...	1	..	...	...	...	3·7	..	..	...		1	...		.	..	.	..			.	3·2	...	...	..	..	.	...	..	...
Mozufferpore	Mozufferpore	...	8	8	..	...	...	13·9	33·3	...	.	5	1	1	1	1	1	2	2	...	2	272·3	12·9	11·6	13·1	17·2	6·1	14·9	2·8	.	42·7
Durbhanga	Durbhanga	...	17	10	...		...	19·3	29·6	...	.	8	8	2	...	1	1	..	4	1	2	267·2	54·7	13·3	...	12·9	3·9	...	27·9	11·9	32·6
Sarun	Chupra	...	20	3	...	..	...	38·0	18·1	...	..	6	6	2	1	1	.	2	4	2	8	221·1	62·4	14·7	10·4	15·0	...	11·7	34·2	25·2	116·0
Champarun	Motihari	..	10	4		..	...	68·5	75·1	...	..	3	4	...		...	3	1	1	2	...	1,138·7	211·8	...	...	.	77·3	35·1	48·5	111·5	...
Monghyr	Monghyr	...	29	9	...		...	33·7	57·2	...	...	6	2	3		4	7	4	3	1	5	[illegible]	16·7	22·1	.	55·1	35·2	23·3	24·5	13·1	116·0
	Jamalpore	...	11	2	...	...	...	55·2	53·5		...	5	4	2	.	...	..		1	...	1	73·4	133·6	60·2	.	..	..	..	37·0	...	78·0
Bhagulpore	Bhagulpore	..	...	..		..	.	...	.	...	...	.	..	...	..	.	...	...	..	..	..	.	.	...	...	...	.		..	...	...
Purneah	Purneah	..	8	2	...	..		45·3	19·4	.	...	3	...	...	1	...	1	1	1	1	2	551·2	.	...	43·5		15·5	15·2	25·0	55·5	128·9
Maldah	English Bazar	.	16	9	.	...	...	114·5	96·9	...	.	5	4	3	1	...	4	5	1	1	1	511·4	218·5	163·9	4·1	...	90·6	129·9	35·3	69·5	74·9
Sonthal Pergunnahs	Deoghur	...	6	.	.	...	..	40·5		.	...	2	2	...	...		1	1	.		.	50·0	191·9	...	..	...	27·6	32·4	...	.	.
Cuttack	Cuttack	...	11	1	..	..	.	17·0	6·7	...	...	4	.	...	..	1	.	1	2	3	1	202·7	.		...	12·9	...	6·5	22·9	50·6	17·6
Poori	Poori	...	32			..	...	67·8	.	...	..	4	3		...	3	1	9	3	6	3	656·5	66·8	.	...	83·0	9·5	115·5	46·0	133·6	86·4
Balasore	Balasore		6	2	..	...	...	15·5	33·9	..	..	1	1	1	...	1	.	2		1	1	99·1	27·9	20·3	..	30·4	...	35·5	...	40·6	44·9
Hazaribagh	Hazaribagh	.	4	3	...	..	..	18·9	27·9	...	...	3	1	..			.	.	.	...	3	321·3	25·6	...	...	..	...	...	...	...	196·4
Lohardugga	Ranchi	...	6	1		..	...	31·9	9·6	..		2	1			...	1	3		.	.	221·3	28·2	...	...	...	13·6	50·8	...	...	...
Singbhum	Chaibassa	1	2	...		.	151·5	20·3	...	...		...	1	...	.		..	1	.	...	1	...	13·7	..	...	...	...	45·6	..	...	285·7
Manbhum	Purulia		5	1	..	.	...	33·4	41·7	..	.	..	..	...	.	2	...	...	...	2	2	.	...	...	.	125·3	..	..	.	222·2	303·2
	TOTAL	6	677	205		...	22·5	31·5	22·1	...		132	121	80	32	40	113	105	74	81	110	178·9	44·1	24·4	11·1	16·5	17·5	19·5	19·8	36·1	57·7

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 9th November 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the four weeks ending 26th September 1891, as compared with the same period of 1890.

Staples.	1890.		1891.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Coke	2,01,980	34,210	2,54,652	36,738	52,672	2,528	......	......
Cotton, raw	19,273	18,083	21,219	18,190	1,946	107	......	......
Cotton twist and yarn—								
1.—European	5,792	6,125	10,287	9,169	4,495	3,044	......	......
2.—Indian	15,332	9,061	23,529	15,607	8,197	6,546	......	......
Cotton piece-goods—								
1.—European	83,328	81,490	1,21,081	1,01,457	37,753	19,967	......	......
2.—Indian	16,880	11,930	11,396	8,818	......	......	5,484	3,112
Drugs and chemicals—								
1.—Intoxicating other than opium	357	246	93	39	......	......	264	207
2.—Non-intoxicating	2,413	2,457	7,690	8,052	5,277	5,595	......	......
Dyes and tans—								
1.—Indigo	2,837	1,514	2,930	895	93	......	......	619
2.—Myrabolams	3,312	1,057	2,998	928	......	......	314	129
3.—Aniline dyes	......	......	237	224	237	224	......	......
4.—Cutch	......	......	3,084	1,013	3,084	1,013	......	......
5.—Paints and colours	2,137	2,191	7,167	3,132	5,030	941	......	......
6.—Others	2,042	1,167	1,144	938	......	......	898	229
Grains—								
1.—Wheat	2,72,945	76,372	6,02,169	1,77,606	3,29,224	1,01,234	......	......
2.—Rice	4,02,443	1,01,938	5,79,927	1,18,179	1,77,484	16,181	......	......
3.—Jawar and bajra	......	......	8,033	926	8,033	926	......	......
4.—Gram	3,23,710	70,634	85,548	18,425	......	......	2,38,162	52,209
5.—Indigo seed	14,052	5,806	23,615	10,076	9,563	4,270	......	......
6.—Seeds other than oil-seeds	31,082	10,984	39,206	14,186	8,124	3,202	......	......
7.—Others	2,23,217	33,197	2,80,855	76,000	57,638	42,803	......	......
Hides and skins—								
1.—Hides of cattle	25,067	12,143	15,519	7,687	......	......	9,548	4,456
2.—Skins of sheep, &c.	10,132	4,581	12,211	6,559	2,079	1,978	......	......
Horns	1,336	1,015	2,776	1,954	1,440	939	......	......
Jute—								
1.—Raw	32,617	5,075	31,469	7,769	......	2,694	1,148	......
2.—Gunny-bags and cloth	52,497	25,878	78,322	40,241	25,825	14,363	......	......
Lac—								
1.—Stick	13,709	4,937	23,507	7,376	9,798	2,439	......	......
2.—Shell lac	14,736	10,425	19,012	13,773	4,276	3,348	......	......
Leather—								
1.—Unmanufactured	1,127	2,023	2,180	4,102	1,053	2,079	......	......
2.—Manufactured	2,675	3,425	4,872	5,738	2,197	2,313	......	......
Liquors—								
1.—Beer	4,031	4,539	8,014	4,541	3,983	2	......	......
2.—Wines } 3.—Spirits }	2,840	4,710	1,913	3,762	1,224	1,939	......	......
			2,151	2,887				
Metals—								
1.—Copper, unwrought } 2.—Brass, unwrought } 3.—Brass and copper, wrought }	21,579	12,944	8,204	9,326	2,671	5,438	......	......
			3,764	2,555				
			12,282	6,591				
4.—Iron	1,14,138	75,298	1,20,991	74,750	......	......	14,147	548
5.—Tin	1,325	2,031	4,030	3,945	2,705	1,914	......	......
6.—Others	4,132	3,160	15,660	9,030	11,528	5,870	......	......
Oils—								
1.—Castor } 2.—Kerosine } 3.—Others }	73,659	23,865	2,925	798	38,968	33,131	......	......
			98,471	51,898				
			10,289	4,370				
Oil-seeds—								
1.—Linseed	2,85,016	83,744	5,65,271	1,73,652	2,80,255	89,908	......	......
2.—Rape and mustard	43,220	8,460	77,014	17,848	33,794	9,388	......	......
3.—Til or jinjili	1,226	258	9,864	4,311	8,638	4,053	......	......
4.—Castor	......	......	58,918	13,844	58,918	13,844	......	......
5.—Poppy	......	......	37,717	12,702	37,717	12,702	......	......
6.—Others	63,164	16,894	32,530	12,634	......	......	30,634	4,260
Opium	1,021	1,126	86	56	......	......	935	1,070
Paper and paste board	8,483	3,826	9,544	7,738	1,061	3,912	......	......
Provisions—								
1.—Ghee	26,323	20,230	32,803	22,726	6,480	2,496	......	......
2.—Dried fruits and nuts	18,973	15,411	21,037	20,550	2,064	5,139	......	......
3.—Cocoanuts	28,972	3,709	16,502	5,302	......	1,593	12,470	......
4.—Turmeric	10,399	9,557	7,273	5,011	......	......	3,126	4,546
5.—Others	40,481	20,627	39,906	16,728	......	......	575	3,899
Salt	4,08,702	82,975	2,94,644	70,273	......	......	1,14,058	12,702
Saltpetre, &c.—								
1.—Saltpetre	22,762	9,509	24,152	10,703	1,390	1,194	......	......
2.—Borax	292	81	305	97	13	16	......	......
3.—Other saline substances	15,453	4,629	19,887	13,352	4,434	8,723	......	......
Silk, raw—								
1. Foreign } 2. Indian }	672	577	1	5	391	231	......	......
			1,062	803				
Silk piece-goods—								
1.—Foreign	7	22	77	181	70	159	......	......
2.—Indian	375	318	174	275	......	......	201	43
Spices—								
1.—Pepper } 2.—Other }	12,533	9,370	3,211	3,315	......	......	235	1,805
			9,087	4,250				
Sugar—								
1.—Drained	40,018	5,378	26,894	9,276	......	3,898	13,124	......
2.—Undrained	94,937	32,808	81,868	15,797	......	......	13,069	17,011
Stone and lime	2,86,503	39,350	1,92,919	24,894	......	......	93,584	14,456
Tea—								
1.—Foreign	......	......	2	4	2	4	......	......
2.—Indian	3,725	3,792	3,229	2,748	......	......	496	1,044
Timber, &c.—								
1.—Timber	21,994	3,764	47,084	9,412	25,090	5,648	......	......
2.—Firewood	13,439	654	8,749	408	......	......	4,690	246
Tobacco	19,138	7,036	38,390	17,733	19,252	10,697	......	......
Umbrellas	......	......	393	385	393	385	......	......
Wool—								
1.—Raw	582	625	1,368	1,707	786	1,082	......	......
2.—Piece-goods—								
a.—European	1,210	2,590	1,465	3,193	255	603	......	......
b.—Indian	2,304	2,129	2,765	3,889	461	1,760	......	......
3.—Shawls	......	......	......	......	......	......	......	......
All other articles of merchandise	3,34,781	1,55,182	6,07,522	1,74,775	2,72,741	19,593	......	......
Total	39,33,191	12,09,248	49,17,836	15,70,753	9,84,645	3,61,505	......	......
Military stores	20,215	45,034	19,543	41,542	......	......	2,672	3,492
Coal—								
1.—For public	29,58,370	4,54,457	37,54,301	5,53,936	7,95,931	99,479	......	......
2.— " Railway	3,00,644	20,759	5,15,485	44,381	2,14,841	23,622	......	......
Railway Materials—								
1.—For construction and revenue	2,03,434	21,527	8,69,087	51,655	6,65,653	30,128	......	......
Live-stock	......	6,839	......	10,471	......	3,632	......	......
Total	74,23,754	17,57,864	1,00,75,315	22,72,738	26,51,561	5,14,874	......	......

E. WEATHERDON, *Assistant Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, *the 7th November* 1891.

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of August 1891, as compared with the same month of the previous year.

STAPLES.	1891. Up.	1891. Down.	1890. Up.	1890. Down.	Total. 1891.	Total. 1890.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal ...	3,120	2,270	1,888	1,910	12,070*	11,205*	1,075	...
Cotton, raw ...	4	53	4	27	57	31	26	...
Cotton twist and yarn—								
1.—European ...								
2.—Indian ...								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles ...	2,081	89	1,777	72	2,170	1,849	321	......
b.—In boxes ...								
2.—Indian—								
a.—In bales and bundles ...								
b.—In boxes ...								
Grains—								
2.—Rice ...	939	4,532	2,086	3,699	5,531	5,785	......	254
5.—Others ...	734	2,128	1,213	2,060	2,862	3,273	...	411
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed ...								
b.—Undressed ...								
2.—Skins of sheep, &c.—	10	632	2	424	642	426	216	...
a.—Dressed ...								
b.—Undressed ...								
Jute—								
1.—Raw—								
a.—Screwed ...	......	3,705	....	3,909	3,705	3,909	......	204
b.—Unscrewed ...	4	27,025	53	42,686	27,029	42,739	...	15,110
2.—Gunny-bags and cloth ...	231	899	95	922	1,130	1,017	113	.....
Metals—								
1.—Copper, unwrought ...								
2. Brass, unwrought ...								
3.—Brass and copper, wrought ...	738	79	625	77	817	702	115	...
4.—Iron ...								
5.—Tin ...								
6.—Others ...								
Oils—								
2.—Kerosine ...	1,684	1	877	3	1,685	880	805	.....
3.—Others ...	221	80	273	43	301	316	.....	15
Oil-seeds—								
1.—Linseed ...								
2.—Rape and mustard ...								
3.—Til or gingelly ...								
4.—Niger ...	317	3,620	246	1,068	3,937	1,314	2,623	...
5.—Castor ...								
6.—Poppy ...								
7.—Others ...								
Provisions—								
2.—Betelnuts ...	80	620	61	406	700	467	233	.....
3.—Others ...	389	142	311	155	531†	466†	65	
Railway plant and rolling-stock ...	...	...	..	......	8,401	13,520	.	5,029
Salt ...	4,139	41	3,614	32	4,180	3,686	494	..
Sugar—								
1.—Drained ...	1,103	185	777	146	1,288	923	365	...
2.—Undrained ...								
Tea—								
1.—Foreign ...	...	3,400	....	2,219	3,400	2,219	1,181	......
2.—Indian ...								
Wood—								
1.—Timber ...	158	22	75	45	180	120	60	
2.—Firewood ...	1,517	..	1,516	......	1,517	1,516	1	
Tobacco ...	147	2,087	47	1,645	2,234	1,692	542	.
All other articles of merchandise—								
1.—Unmanufactured ...	2,453	1,583	2,697	1,279	4,036	3,976	60	.
2.—Manufactured ...								...
Hay, straw, and wooloo (C. & S.-E. Sections)	439	......	470	.....	439	470	.....	40
Total ...	20,559	59,793	18,747	62,827	90,423*	1,02,591	8,895	21,063

* Includes 7,580 tons and 7,497 tons during 1891 and 1890 respectively carried for Revenue, for which no "Up" and "Down" register maintained.

† Railway plant and rolling stock 8,401 tons and 13,520 tons for the year 1891 and 1890 respectively, for which no "Up" and "Down" register maintained.

Statement of principal commodities carried over the Eastern Bengal State Railway during the month of August 1891.

INCREASES.

	Tons.		Tons.
Coal ...	1,675	Tea ...	1,181
For railway and flotilla consumption.		Good season.	
Oil-seeds ...	2,623		
Good crops and an improved market.			

DECREASES.

	Tons.
Jute (unscrewed) ...	15,110
The decrease was in despatches from Serajgunge, Goalundo, Pangsa Rajbari, and principal Jute booking stations on the Northern Section, and is said to be due to lesser production.	
Railway plant and rolling stock ...	5,029
Probably due to lesser repairs and renewals.	

P. D. BARCLAY,
Traffic Superintendent.

CALCUTTA, *the* 28*th September* 1891.

BENGAL CENTRAL RAILWAY.

Abstract of principal commodities carried over the Bengal Central Railway during the month of August 1891, as compared with the same month of the previous year.

STAPLES.	1891.		1890.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	801	. ...	652	......	1,164*	1,226*	......	62
Cotton, raw	....	.. ...	... .	3	......	3	......	3
Cotton piece goods—								
1.—European—								
a.—In bales and bundles								
b.—In boxes								
2.—Indian—	224	......	152	......	224	152	72	.. ...
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	3	186	155	73	189	228	......	39
5.—Others	86	2	87	10	88	97	......	9
Hides and skins—								
1.—Hides of cattle—								
a. Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	......	53	......	13	53	13	41	... ..
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed	12	873	......	2,397	885	2,397	......	1,512
2.—Gunny-bags and cloth	5	.. .	2	......	5	2	3	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	49	1	90	8	50	98	......	48
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	68	......	142	.... .	68	142	......	74
2.—Others	48	......	147	... ..	48	147	......	99
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	64	284	167	58	318	225	123	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	......	606	.....	378	606	378	228	......
3.—Others	19	5	22	36	24	58	......	34
Railway plant and rolling-stock	....	......	......	......	163†	11†	152	......
Salt	295	... .	253	... ..	295	254	42	......
Sugar—								
1.—Drained	49	253	30	110	302	170	132	......
2.—Undrained								
Tobacco	99	28	34	39	127	73	54	......
All other articles of merchandise—								
1.—Unmanufactured	378	333	703	228	711	931	......	220
2.—Manufactured								
Total ...	2,200	2,624	2,636	3,383	5,350	6,604	840	2,106

* Includes 363 tons and 574 tons during 1891 and 1890, respectively, carried for Revenue, for which no "Up" and "Down" register is maintained.
† Railway plant and rolling-stock 163 tons and 11 tons for the year 1891 and 1890, respectively, for which no "Up" and "Down" register is maintained.

Statement of principal commodities carried over the Bengal Central Railway during the month of August 1891.

INCREASES.

The increases are due to ordinary fluctuations of traffic and call for no special remarks.

DECREASES.

Jute ... . 1,512 Tons
Khoolna and Nawapara show a marked decrease, said to be due to lesser production, the season being bad.

P. D. BARCLAY,
Traffic Superintendent.

CALCUTTA, *the 4th November* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 31st October 1891, on 1,525¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	234 578	3,12,868 0 0	24,06,265 0	5,93,264 5 0	15,608 15 0	9,21.741 13 0	71,862½	92,332½	164,194⅞
Or per mile of railway	......	205 1 6	.....	388 14 4	10 3 9	604 3 7	......	......	......
For previous 17 weeks of half-year	4,149.394	42,62,741 15 0	3,74,25,779 10	88,46,744 7 0	2,56,103 11 0	1,33,65,590 1 0	1,180,744⅝	1,532,263⅛	2,713,008
Total for 18 weeks ...	4,383,972	45,75,610 8 0	3,98,32,044 10	94,40,008 12 0	2,71,712 10 0	1,42,87,331 14 0	1,252,607	1,624,595⅝	2,877,202⅝
Comparison.									
Total for corresponding week of previous year	223,468½	3,06,172 4 7	16,23,584 10	4,92,807 6 6	17,541 0 0	8,16,520 11 1	70,588	71,905	142,493
Per mile of railway corresponding week of previous year ...	......	200 11 3	......	323 0 9	11 8 0	535 4 0	......	......	......
Total to corresponding date of previous year	4,063,711	42,64,002 5 1	3,28,06,161 30	75,94,761 10 9	2,96,335 10 11	1,21,55,099 10 9	1,154,075	1,347,405	2,501,480

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 31st October 1891, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,219	7,362 8 0	44,424 20	3,506 6 0	27 0 0	10,895 14 0	1,923	588	2,511
Or per mile of railway	214	128 11 5	776 30	61 4 10	0 7 7	190 7 10	.....	......	.....
For previous 17 weeks of half-year	204,262	1,08,573 7 0	7,73,717 20	50,876 14 0	642 0 0	160,091 5 0	22,038	11,117	33,155
Total for 18 weeks ...	216,481	1,15,935 15 0	8,18,142 0	54,382 4 0	669 0 0	170,987 3 0	23,961	11,705	35,6..6
Comparison.									
Total for corresponding week of previous year	11,526	6,633 0 5	41,523 0	2,767 4 0	44 7 3	9,444 11 8	1,709	595	2,304
Per mile of railway corresponding week of previous year ...	201⅛	115 15 5	726 0	48 6 1	0 12 5	165 1 11	.....	......	.....
Total to corresponding date of previous year	227,420	1,26,422 9 4	5,73,333 10	38,071 8 0	623 6 9	1,65,117 8 1	23,021	10,020	33,041

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 31st October 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	19,739	5,035 0 0	10,730 10	500 9 0	7 0 0	5,572 9 0	888	80	968
Or per mile of railway	......	227 10 3	......	22 8 0	0 5 0	250 7 3	......	......	.....
For previous 17 weeks of half-year	292,999	72,071 11 0	1,03,046 20	3,948 3 0	109 0 0	76,128 14 0	14,955	1,541	16,496
Total for 18 weeks ...	312,738	77,136 11 0	1,13,776 30	4,448 12 0	116 0 0	81,701 7 0	15,843	1,621	17,464
Comparison.									
Total for corresponding week of previous year	20,373	5,200 11 7	16,486 20	584 15 0	7 2 0	5,882 11 7	864	8	946
Per mile of railway corresponding week of previous year ...	......	237 12 6	... ..	26 4 8	0 5 1	264 6 3	......	......	......
Total to corresponding date of previous year	331,581	73,597 6 0	1,10,502 0	3,911 14 0	105 11 3	77,614 15 3	16,219	875	17,094

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 31st October 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	14,424	12,209 0 0	40,541 30	12,174 14 0	64 0 0	24,537 14 0	6,631	1,699	8,330
Or per mile of railway ..	......	75 14 9	......	75 2 5	0 6 4	151 7 6	......	......	......
For previous 17 weeks of half-year	237,315	1,86,184 1 0	6,35,731 30	1,23,253 10 0	993 0 0	3,10,430 11 0	102,186¾	24,236	126,422¾
Total for 18 weeks ..	251,739	1,98,483 1 0	6,86,273 20	1,35,428 8 0	1,057 0 0	3,34,968 9 0	108,817¾	25,935	134,752¾
Comparison.									
Total for corresponding week of previous year .	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year .	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 24th October 1891, on 721 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated) including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 739* miles open	77,770	33,960	2,82,880	34,250	6,440	74,650	12,254	14,109	26,363
Or per mile of railway † ...	107·12	46·78	389 64	47 17	8·87	102·82	......	..	......
For previous 15½ weeks of half-year	1,244,469	4,74,492	44,02,834	5,18,608	1,35,195	(a) 11,28,296	195,194	213,777	(a)408,971
Total for 16½ weeks	1,322,239	5,08,452	46,85,714	5,52,858	1,41,635	(a) 12,02,946	207,448	227,886	(a)435,334
Comparison.									
Total for corresponding week of previous year on 691 miles open	77,058	28,767	(b) 2,99,840	38,406	6,472	73,705	12,976	15,430	28,406
Per mile of corresponding week of previous year	111·52	41·63	433·92	55·67	9 36	106·66	......	......	......
Total to corresponding date of previous year	1,255,644	4,46,810	41,50,021	5,01,559	1,05,432	10,53,801	195,678	202,106	397,784

* Increase in the open mileage is due to opening of Gonda Colonelganj Section (18 miles) of the Bahram Ghat Extension from 23rd October 1891, for goods traffic only.
† Calculated upon average mileage (726 miles)
(a) Includes audited figures up to 5th September 1891.
(b) Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 24th October 1891.	Week ending 25th October 1890.	Week ending 24th October 1891.	Week ending 25th October 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	16,280 0 0	13,401 0 0	17,680 0 0	15,366 0 0
Goods	13,170 0 0	13,609 0 0	21,080 0 0	24,857 0 0
Other earnings	3,960 0 0	3,523 0 0	2,480 0 0	2,949 0 0
Total ...	33,410 0 0	30,533 0 0	41,240 0 0	43,172 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs. A. P.
Approximate earnings for week ending 26th September 1891	11,171 0 0
Corresponding period of 1890	17,323 0 0
Decrease	6,152 0 0
Receipts per mile for week ending 26th September 1891	219 0 8
Corresponding period of 1890	339 10 10
Decrease	120 10 2
Receipts from 1st July to 26th September 1891	1,37,112 0 0
Corresponding period of 1890	1,24,352 0 0
Increase	12,760 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 3rd October 1891	11,657	0	0
Corresponding period of 1890	15,522	0	0
Decrease	3,865	0	0
	Rs.	A.	P.
Receipts per mile for week ending 3rd October 1891	228	9	1
Corresponding period of 1890	304	5	8
Decrease	75	12	7
Receipts from 1st July to 3rd October 1891	1,48,769	0	0
Corresponding period of 1890	1,39,874	0	0
Increase	8,895	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 10th October 1891	16,567	0	0
Corresponding period of 1890	13,556	0	0
Increase	3,011	0	0
Receipts per mile for week ending 10th October 1891	324	13	6
Corresponding period of 1890	265	13	0
Increase	59	0	6
Receipts from 1st July to 10th October 1891	1,65,336	0	0
Corresponding period of 1890	1,53,430	0	0
Increase	11,906	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 17th October 1891	9,905	0	0
Corresponding period of 1890	16,346	0	0
Decrease	6,441	0	0
Receipts per mile for week ending 17th October 1891	194	3	5
Corresponding period of 1890	320	8	4
Decrease	126	4	11
Receipts from 1st July to 17th October 1891	1,75,241	0	0
Corresponding period of 1890	1,69,777	0	0
Increase	5,464	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 24th October 1891	13,072	0	0
Corresponding period of 1890	13,657	0	0
Decrease	585	0	0
Receipts per mile for week ending 24th October 1891	256	5	0
Corresponding period of 1890	267	12	6
Decrease	11	7	6
Receipts from 1st July to 24th October 1891	1,88,313	0	0
Corresponding period of 1890	1,83,434	0	0
Increase	4,879	0	0

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CONTENTS.

THE CADASTRAL SURVEY OF BEHAR.

REVENUE DEPARTMENT.

RESOLUTION No. 1243 L.R.

Arrah, the 9th November 1891.

THE Government of India having sanctioned the resumption of survey and settlement operations in Behar, the Lieutenant-Governor considers that it will be to the advantage of all parties concerned that he should take an early opportunity of stating publicly the objects and intentions of Government in carrying out this undertaking.

2. Soon after the Bengal Tenancy Act, VIII of 1885, came into force, Mr E. W. Collin, C.S., was appointed to carry out the survey and settlement of a portion of the Mozufferpur district. These operations were initiated with the object of gaining some experience of the difficulties to be met with, and of the best and most economical methods of dealing with them, as well as of gauging their probable cost. They were avowedly intended to be of an experimental character, in the hope that, if successfully accomplished, they might be generally extended. The experiment lasted about a year, during which about 400 square miles were cadastrally surveyed and a record of rights was prepared for about 150 square miles.

3. The late Lieutenant-Governor, Sir S. C. Bayley, in submitting the final report of this work to the Government of India, expressed himself satisfied with the results of the experimental survey, and stated his opinion that there was good reason for desiring to extend the process to other tracts in the position

of that dealt with in Mozufferpur. He also intimated his view that, should the experiment which had been tried at the expense of the State be extended, the cost must be paid by the zemindars and ryots concerned, and that a charge of 8 annas an acre would be by no means excessive for the benefits conferred. The Government of India in reviewing this report concurred in Sir S. C. Bayley's view that it was desirable to extend the measure to other tracts. They regarded Mr. Collin's report as throwing much light on existing agricultural conditions in Behar, and as a valuable addition to the evidence already collected of the depressed state of the cultivating classes in that part of the country. They particularly noticed the fact that the Tenancy Act had defined and enlarged the rights of the tenants, and that in tracts like Behar an authoritative survey and record appeared to be indispensable to give reality to the provisions of the Act. In the review of this correspondence the Secretary of State wrote as follows:—

The Settlement Officer, who appears to have conducted his operations with skill and judgment, is careful to say that, for statistical purposes, generalisations cannot be safely based on the facts ascertained over a limited area of 56,588 acres. Still, so far as the proceedings went, they show—

(1) that the work of survey and of recording rights in Behar was smoother than had been expected; that it was satisfactory to the ryots and not disliked by the zemindars;

(2) that the whole operation can probably be carried out at a cost of not more than Rs. 320 per square mile;

(3) that the work has not given rise to litigation or class enmities, while it has safeguarded the position of the ryots and increased the value of their rights.

His Lordship went on to say that he noted the opinion expressed by the Government of India that, even if the continuous maintenance of the village record cannot be fully secured, still an accurate knowledge of existing facts would be of great advantage as affording a basis on which a better state of things might grow up under the Tenancy Act, and that a survey and record of rights ought to be attempted in other permanently settled tracts, where doubts prevail as to existing tenures and rents. He laid weight on the conclusion that the cost of the survey and of the subsequent maintenance of the village record must be kept within the narrowest possible limits, as the expenses will have to be defrayed by the classes and localities concerned, and said he would await with interest further information and proposals on these most important matters.

4. In March 1889 Mr. Boxwell, Commissioner of Patna, submitted a report on the question of extending the survey and settlement operations in his division. His conclusions were stated in the following words:—

(a) The evidence produced from many different places prove that all over the division there is a general uncertainty differing in intensity.

(b) Both the complaints of landlords and the attitude of the ryots prove that the ryots are beginning to appreciate their widespread right of occupancy.

(c) Transactions between zemindars, indigo planters, and ryots prove that there is uncertainty with respect to tenure,

(d) And that individual ryots are not strong enough to deal commercially with either of the other two parties

(e) The effect of the Tenancy Act in diminishing uncertainty about both rent and tenure is already felt.

(f) The effect of the Mozufferpur survey and record is universally acknowledged.

When this report and other papers connected with the subject came before Sir Steuart Bayley, in September 1889, he reviewed the question as a whole, and, with full knowledge of the condition of Behar, recorded his deliberate opinion that the considerations in favour of the proposed resumption of the Mozufferpur experimental survey-settlement proceedings decidedly preponderated. He asked the Government of India to accord sanction under

the Tenancy Act to a survey and settlement of rights of the Patna Division with power to exempt particular tracts for special cause shown: and he explained the delay in making this application by a reference to the proceedings which had been undertaken to gain further experience in lands under the control of Government, and to the surveys of estates the proprietors of which had voluntarily offered to pay the necessary expenses.

5. Sir Steuart Bayley considered that the effects of a survey-settlement would be to define the holdings and rents of each ryot, to place in the landlord's hands means which very few now have of proving without difficulty what they are entitled to claim, and to give the ryots the power of resisting illegal and improper claims. He foresaw that such a measure would be unfavourably received by the zemindars' employés, as it would put an end to the large profits made by those who collect rent for the proprietors, a numerous and powerful class divided into various grades, from the farmers of many villages to the patwari or gomashta. After giving all such considerations their full weight, the late Lieutenant-Governor, as has been said, recommended the adoption of the measure in question. At the same time, having regard to the partial failure in the Patna Division of the autumn and winter harvests of 1888-89, and to the serious injuries caused by the floods of 1889 to the autumn crops in Chumparun, Mozufferpur and Durbhunga, he proposed to postpone the commencement of the work until the effects of those calamities of season had disappeared.

6. The Government of India in reply stated that survey parties would be provisionally reserved for employment in Bengal upon the supposition that the Behar survey would be commenced in 1891-92; though, it was added, no final decision could be given authorizing the survey until the question of cost and the share which it was proposed to accept on the part of Government was more precisely determined. In reviewing this correspondence, the Secretary of State for India wrote on the 20th February 1890:—"I am glad to learn that it is proposed to carry on this important work as soon as the people recover from the loss caused by the scarcity of 1889. It is satisfactory that the Government of Bengal expect the cost of the work to fall below the sum, eight annas per acre, first estimated. I have no doubt that your Government will arrange for the diligent prosecution of the undertaking as soon as the circumstances of the country permit."

7. The outline of the correspondence as above presented is sufficient to show the progress made with the project, up to the time when the late Lieutenant-Governor had to abandon it temporarily on account of the scarcity of 1888-89. The question reserved by the Government of India for more precise determination has been fully examined and settled in the usual course, and, as a direct result of the Secretary of State's orders last quoted, the whole subject has again recently been laid before the Government of India, and proposals have been submitted for carrying out the survey and settlement of the four districts of the Patna Division which lie north of the river Ganges.

8. The Government of Bengal did not fail to represent, as clearly as possible, the difficulty of the work in prospect, and the fact that the scheme will not in the commencement commend itself favourably to the landed interests concerned. But Sir Charles Elliott expressed his complete concurrence with the views expressed by his predecessor that the advantages which will accrue to the people from the survey and settlement proceedings outweigh the inconveniences and difficulties that may arise, and that they justify the undertaking. His Honour entirely agrees with all that has been said during the course of the discussion as to the advantage and, indeed, the absolute necessity, of such a survey-settlement if administration is to be conducted with complete and accurate knowledge of economic facts, if famine is to be successfully combated when it comes, and if the relations of landlords and tenants are to be put on a secure and definite basis by the authoritative registration of areas held and rents fixed. He regards such a measure as a necessary corollary to the Permanent Settlement, and as the only way in which Government can give full effect to the principles laid down by the Bengal Tenancy Act as to the rights of the different classes of ryots, by creating an accurate record of those rights, and establishing a system for registering them in future.

9. In reply to this communication, His Excellency the Governor-General in Council has now been pleased to issue orders sanctioning the proposed operations. In view of the partial failure of the late rains and the prospects of some degree of scarcity, it is not proposed to begin the survey this year, but arrangements are being matured for making a commencement of the work this season, by demarcating the village boundaries and starting the skeleton or traverse survey (the cost of which will be borne by Government), while the field-to-field survey will be put in hand in November 1892. The reasons why it is in contemplation to confine the survey and settlement to the districts of North Behar are that the evils arising from the uncertainties of tenures and want of a record of rights have been felt there more than elsewhere, on account of the poverty and density of the population.

10. Sir Charles Elliott has not failed to notice indications of uneasiness felt by the classes interested, and especially the zemindars, and there can be little doubt that much of this uneasiness is due to misconception on the part of those classes of the objects of the survey-settlement proceedings, and of the spirit in which they will be carried out He has therefore deemed it desirable, besides recapitulating briefly the official history of the measure in hand, to give some explanation of its scope and character.

11. The objects of the cadastral survey and settlement of Behar are to obtain an accurate record (1) of the area and situation of all villages and estates, of each tenure and of each ryot's holding within an estate, and (2) of the status of everyone who has rights in the land and of the rent paid by each ryot and tenure-holder. In other words, the intention is to carry out accurately what every zemindar is understood to attempt to carry out more or less accurately, but often fails in doing. On every estate zemindari accounts are kept up, which correspond in all but accuracy to the khasra and khatian of the settlement, and it is incredible that the zemindars should really wish not to have the opportunity of making these accounts correct. The Lieutenant-Governor has recently ascertained by personal enquiry the value which gentlemen of such experience as Messrs Burrows, Thomson and Mylne of Becheea in Shahabad attach to the information collected in the cadastral survey which was effected for the canal-irrigated villages in that district. His Highness the Maharaja of Tipperah is so convinced of the utility of a cadastral survey that he has recently made application to the Government to have such a survey carried out in all his estates which lie in British territory. It is within the knowledge of the Court of Wards and of Government that, in the zemindaris which have come under the temporary management of the Court, there is generally an ignorance on the part of the late proprietors' officials of the rights and interests appertaining to the estate which is altogether incompatible with successful administration. In one important estate still under the Court whole-mehals had been lost sight of and had paid nothing to the proprietors for many years: in other estates, where survey-settlements had to be undertaken, it came to light that managers were ignorant whether the estates were compact or scattered, or where the lands were situated. It is a fact also, of which zemindars must be fully cognizant, that purchasers of estates are often unable to find out what are the boundaries of the property they have bought, or to obtain any records showing who the ryots are, where their lands lie, or what their rents are. These are instances of the inconveniences and defects which would all be removed by a field-to-field survey and an accurate record of rights.

12. On the other hand, the gain to the ryot of having his rights recorded and his status and rent determined is incontestable. The law has bestowed on him certain rights, and the Government has decided that it is the duty of the administration to provide him with the means of knowing precisely wherein they consist. This knowledge will benefit him in his dealings with his zemindar in any dispute as to the rent due to him, with indigo planters when he wishes to lease his fields to them, and with the Opium Department officers when he applies for an advance for growing opium on his land.

13. Putting aside the fear of the unknown, which will be dissipated as the work of survey goes on, and the fear of increased litigation, which the experience of Mr. Collin's experimented survey shows not to be probable, it appears to the Lieutenant-Governor that the main reason for which the contemplated cadastral survey of Behar will not be welcomed, in the first instance,

by the land-owners of the division, is their fear of the cost of the proceedings. The Lieutenant-Governor cannot hope altogether to dispel this fear, but he believes that explanations will do a good deal to diminish it. After carefully examining all that has been written on this subject, the Bengal Government has come to the conclusion that, as an estimate based on the actual cost hitherto incurred elsewhere, the entire charge cannot be safely taken at less than eight annas an acre, though it is hoped that there will be some reduction in the expenditure when the operations are undertaken on a wider scale than they have hitherto been carried out anywhere. Of this estimated cost of 8 annas an acre, the Government of India has accepted the charge of one-eighth of the total expenditure as representing the cost of traverse surveys. Of the rest the Lieutenant-Governor has decided that half, or three-and-a-half annas an acre, should be paid by the zemindars, and the other half divided among the subordinate interests. Thus a ryot holding an area of 3 or 4 acres may have to pay 10½ or 14 annas, an amount which certainly cannot be considered excessive, since it ensures him security in the possession of those rights which the Tenancy Act has declared to belong to him. The lowest charge for a copy of an extract from the jamabundi exceeds one rupee, and His Honour understands that cultivators often pay even larger sums for documents or considerations of much less real value than the extracts from the khasras and khatians will be to them. The zemindars who own large properties will necessarily have larger total sums, but not proportionately larger charges, to pay: but in return, though no general increase in the rents of ryots can be contemplated, they will reap some return from the discovery of concealed holdings, and of tenures in which a large increase of area has taken place without any corresponding rise in rent, which will go some way towards compensating them for the outlay entailed upon them. Moreover, the survey itself will, it has been calculated, take about five years for two parties at the rate of 2,500 square miles a year, so that the total sum payable by the general body of zemindars each year will be distributed over a considerable period. In some cases, no doubt, the aggregate amounts which will fall upon single zemindars in any one year will be large; and to meet this difficulty, the Government intends to facilitate payments by allowing them to be liquidated by instalments. Sir Charles Elliott has no doubt whatever that in the end the zemindars will find the results well worth the money they will have, under the law, to pay for the survey and settlement operations. He feels sure that the zemindars of the large estates in which such proceedings have recently been completed would agree in the view that they have received, by an accurate and a well-ordered rent-roll which has been generally accompanied by a slight increase in rents, good value for their expenditure. It is the Lieutenant-Governor's intention to have published shortly an account of what the surveys and records-of-rights in those large estates have cost and the returns they have produced to the landlords, so that the zemindars of North Behar will be in a position to judge for themselves of the advantageous results which they may anticipate.

14. His Honour need hardly notice the suspicion, if any such exists, that the survey and settlement operations are intended to restrict just rights. There is no intention whatever on the part of Government to restrict the just rights of a single individual or of a class: nor would Government have the power to do so if it so desired.

15. The Lieutenant-Governor's object, in making the statements contained in this Resolution, has been to dispel the prevailing ignorance of the real objects of a survey-settlement and the intentions of Government and to make known the truth; and he trusts that the effect of what he has ordered to be published will be to show that some of the suspicions which may have obtained credence are unfounded and some are exaggerated; and that in the minds of those who are best able to judge, the conviction will be established that the settlement-survey of Behar is likely to produce great benefits to all classes who are interested in the land.

ORDERED—That a copy of this Resolution be published in the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Offg. Secretary to the Govt. of Bengal.

RESOLUTION REVIEWING THE ADMINISTRATION REPORT OF THE CALCUTTA MUNICIPALITY FOR THE YEAR 1890-91.

MUNICIPAL DEPARTMENT—MUNICIPAL.

No. 2521.

Calcutta, the 9th November, 1891.

RESOLUTION.

READ—

The Administration Report of the Calcutta Municipal Corporation for the year 1890-91.

The Report, which is due to Government on the 1st August, was submitted on the 17th September, a month earlier than in the preceding year, but still considerably later than the proper date. No reason is alleged in the report to justify the delay in its submission. Moreover the form of the report itself is disappointing, and the Lieutenant-Governor would have expected something more than a series of tabular statements either printed without note or comment, or strung together by a few bald sentences of explanatory letter-press. The work done by the Corporation of Calcutta is of the highest importance, and in justice to itself, its report should be particularly clear and well arranged. The City of Calcutta is something more than a great commercial emporium. Rightly or wrongly, it is regarded as one of the chief centres of endemic cholera, whence the disease is likely to be imported into Europe. Its municipal administration is therefore a matter of international interest, and is jealously watched by the medical experts of those European countries which are liable to visitations of cholera. In these countries the belief in the efficacy of quarantine is still unshaken, and any appearance of neglect, any relaxation of the sanitary standard of Calcutta, may, if followed by an increase of cholera mortality, lead to the introduction into their ports of more stringent regulations, which would seriously injure the trade of this city, and thereby reduce the value of property generally. A clear and graphic description of what the Corporation have done, and are doing, to improve the sanitation of Calcutta would clear up much of the misunderstanding that now prevails on the subject, and would enable their critics to realise more clearly the true nature of the difficulties which the Commissioners have to contend with.

Attendance of Commissioners.

2. The statistics of meetings given in the report afford ample evidence that the amalgamation of the Town and the Suburbs, effected by the Municipal Consolidation Act of 1888, has added largely to the work and responsibility of the Commissioners, though not so largely as might have been expected. The number of general meetings fell from 34 to 29, and there were only 4 Special Committees against 12 in the preceding year, the aggregate number of meetings held by them being 19 as compared with 66 in 1889-90. On the other hand, the number of meetings of Standing Committees rose from 125 to 138, and of Sub-Committes from 57 to 90. The total number of meetings of all kinds was 276 against 282 in the preceding year. Eighteen Commissioners attended more than 50 meetings during the year, against 26 who showed the same degree of diligence in 1889-90; and 8 Commissioners, of whom 6 were elected and 2 nominated, were present at more than 100 meetings. The Lieutenant-Governor has no doubt that much work was done at the deliberations which these statistics represent, and it may be inferred from the designations of the Committees that the Corporation was occupied during the year with the business of general administration, with basti and town improvement, with the extension of the water-supply, the improvement of the Suburbs, the Central Road, the Hackney Carriage Bill, and other measures of importance. But the Report contains no connected account of the work done by the Commissioners at these various meetings, such as has usually been given in previous years; nor has this information been distributed under the various heads of administration that are treated of.

Loans.

3. The loan liability of the Corporation stood as follows at the close of the year:—

	Rs.
6 per cent. debentures	1,12,000
5 ditto	1,43,00,900
4½ ditto	10,48,300
	1,54,61,200
Consolidated loans from Government	58,00,571
Total ...	2,12,61,771

Two new loans at 5 per cent. were raised during the year—one for 20 lakhs in June, and another for 10 lakhs in December. The tenders for the first loan aggregated 77½ lakhs, and eventually Rs. 13,70,000 were allotted on tenders over 3 per cent., the balance being divided among tenders at that rate of premium. For the second loan 145 tenders were received, amounting to Rs. 65,40,400, and the stock was allotted to the two highest; thus—

	Rs.
At Rs. 106	4,000
At Rs. 105-14	8,36,200
Total ...	8,40,200

The balance was disposed of by issuing debentures at 5 per cent. for Rs. 1,59,800 to holders of the second 6 per cent. loan of 1870. These results may fairly be claimed as showing that the credit of the Corporation stands high and tends to rise in the money market of Calcutta. The total loan liability has risen, as has been noticed above, from 187 lakhs to 212 lakhs, but within the same period the 6 per cent. debentures have been reduced from Rs. 4,17,500 to Rs. 1,12,000, partly by repayment in cash, and partly by transfer to loans at a lower rate of interest. Of the two loans raised during the year, Rs. 13,31,000 were set apart for the Central Road, Rs. 12,00,000 for water-supply, and Rs. 4,69,000 for drainage and repayment of loans. While the liabilities of the Commissioners have increased, their assets have not remained stationary. The annual valuation which serves under the Act as the measure of their borrowing capacity rose from Rs. 1,73,70,515 to Rs. 2,01,35,128, and the Commissioners have therefore the legal power at the present time to extend their issues of 5 per cent. debentures up to a total amount of Rs. 3,35,00,000.

Income and expenditure.

4. No attempt is made in the Report to elucidate the bare figures of receipts and charges, which are given without note or comment in Chapter II, nor is any explanation offered of the differences between the actuals and the budget estimate of the year and the actuals of the preceding year. The Lieutenant-Governor hopes that in future reports this important subject may be treated in a more instructive fashion. The actual income of the Municipality during 1890-91 was Rs. 42,06,412 and the expenditure Rs. 44,71,169, against Rs. 42,17,123 and Rs. 41,27,883 respectively in 1889-90. The deficit of Rs. 2,64,757 on the year's working appears to have been met partly from the opening balance and partly by transfers from capital account, but no clear explanation of this is given in the Report. The principal items of receipts and charges were the following:—

	Rs.
Receipts.	
General rate at 9½ per cent.	15,48,714
Sewage rate, &c.	3,29,227
Water rate, &c.	9,70,170
Lighting rate	3,25,541
Taxes	5,14,849
Municipal Market	1,21,657
Expenditure.	
Interest on loans	4,66,277
Contribution for repayment of loans	1,70,623
General establishment	3,92,012
Road department	4,47,496
Bullocks and stabling	2,07,115
Conservancy	2,63,572
Sewage rate charges	2,98,190
Water rate charges, including interest on loans, Rs. 4,88,461, and contribution for repayment of loans, Rs. 1,87,917	10,20,697
Lighting, &c.	3,49,807

No change was made during the year in the rates, which aggregated 19½ per cent. on the annual valuation of property liable to assessment. The incidence of taxation amounted to Rs. 5-10-11 per head of the population recorded in the recent Census.

Collections and balances.

5. The budget estimate for the four rates—the general, sewage, lighting and water rates—which make up the bulk of the Commissioners' income amounted to Rs. 31,39,200, while the actual receipts under these heads were Rs. 31,73,652. The following statement comparing the outstanding balances during the last three years shows that the aggregate outstandings of rates tend continually to increase:—

		Outstanding balance of rate bills.		
		End of 1888-89.	End of 1889-90.	End of 1890-91.
		Rs.	Rs.	Rs.
Under collection by Assessors	...	58,173	67,489	65,051
" " Collector	...	26,014	1,09,690	1,14,649
" " Joint Collector	...	......	43,531	60,198
" " Warrant Superintendent ...	...	93,841	1,51,969	1,71,032
Total	...	1,78,028	3,71,679	4,10,930

It would appear from this statement either that the collections must have been materially under-estimated when the budget was drawn up, or that allowance must have been made for failure to collect some 12 per cent. of the revenue of the year.

6. In explanation of the arrears in the Collector's hands, it is stated that until the revised valuation of properties has been completed and land-holders have become reconciled to the law regarding basti rates, the collections cannot be expected to regain their former standard. The arrears in the Joint Collector's Department are attributed to the fact that the rate-payers of what was the Suburban area have not yet learned to pay punctually the enhanced rates due to amalgamation with Calcutta and the revision of the assessments under section 123; that the procedure for issuing warrants in Calcutta is less expeditious than was the case in the Suburban Municipality; that only a small proportion of the basti bills are realised within the quarter for which they are due; and that the practice recently abandoned, of collecting from the tenants in certain cases sums for which the landlords default, tends to encourage the latter to attempt to evade payment. It is also alleged that in the case of certain Government buildings assessed for the first time during 1889-90, the taxes have not been realised pending reference to Government; while some miscellaneous bills, forming part of an arrear balance amounting to Rs. 17,530, were delivered to the Joint Collector so late that no action could be taken on them during the year. No explanation is given of the arrears in the Warrant Department, which have risen from Rs. 1,51,969 in 1889-90 to Rs. 1,71,032 in the present year.

It has been anticipated from the first that the new assessment section leading to a general increase in the rating of residential houses would increase the difficulties of collecting the rates punctually. There is, however, nothing in the Report to show that this cause alone is mainly answerable for the heavy outstandings of the past year, and the Lieutenant-Governor is disposed to think that there is room for much improvement in this branch of the municipal administration.

In paragraph 74 of the Report, the Commissioners furnish the separate statistics asked for in the last year's Resolution, of the demand and collection of basti rates since the new provisions of the law have come into force. It appears that the gross demand from the 1st quarter of 1888-89 to the last quarter of 1890-91 amounted to Rs. 8,41,091 and the collections to Rs. 6,28,974, while the remissions were Rs. 14,499 and the transfers Rs. 1,72,673, leaving an outstanding balance at the close of the past year of Rs. 24,943. These results appear to be on the whole satisfactory, but the statistics, like many others given in the Report, are put forward without a word of explanation tending to elucidate the facts which they represent.

License Department.

7. The gross receipts of the License and Registration Department, including the tax on Trades and Professions, the tax on carriages and animals, and fees for the registration

of carts and hackeries, carriages, palanquins, bullocks and cowsheds, rose from Rs. 6,10,461 to Rs. 6,34,995. The receipts from the tax on Trades and Professions, which make up more than half the amount collected in this department, increased from Rs. 3,15,719 to Rs. 3,29,640. Out of 29,940 assessees, 20,490, or 68·4 per cent., paid the tax during the year, the total amount realized being nearly 70 per cent. of the demand. There were 47 formal appeals and a large number of informal appeals against the assessment, which was modified in 539 cases during the year, the aggregate amount remitted being Rs. 5,695. From a table given in the Report, it appears that the list of assessees includes 272 Joint-Stock Companies, of which 53 have a paid up capital of 10 lakhs of rupees and upwards; 225 practising Barristers, Attorneys and Pleaders of the High Court, 266 Pleaders of subordinate Courts, Mukhtears and Law Agents, 26 Surgeons and Physicians, 97 Licentiates of Medicine and Veterinary Surgeons, 113 Native Doctors, Kabirajes, and Hakims, 583 itinerant dealers and 11,353 petty dalals and miscellaneous shop-keepers. Now that a new Hackney Carriage Act has been passed, it is interesting to notice that within the last ten years the number of first-class carriages registered rose from 55 to 75, that of second-class from 1,618 to 1,630, and that of third-class from 1,248 to 1,829. In 1883-84, the year of the Calcutta Exhibition, the number of second-class carriages rose to 2,021, which probably indicates that a number of private palki-gharries were converted into hired vehicles for that occasion. With this exception there has been no very marked increase in the number of second-class carriages, which is now practically the same as it was ten years ago. Third-class carriages, on the other hand, show a steady increase notwithstanding the introduction of tramways.

Valuation.

8. Section 123 of the Act prescribes that the whole area of Calcutta shall be revalued every six years, and section 129 provides for the division of the town into districts and the revision of the annual value district by district. During 1890-91 revaluations appear to have been undertaken in 13 out of the 25 wards into which the town is divided. In 7,933 cases the assessment was increased and in 3,525 cases it was reduced, the financial result being a net increase in the valuation of Rs. 27,64,013 and in the assessment of Rs. 4,69,744. That the increase in the assessment does not bear a higher ratio to the enhanced valuation is understood to be due to the fact that houses and lands, no part of which is within 150 yards of the nearest stand-pipe, pay water-rate at only 3 per cent. on their annual value. The Lieutenant-Governor finds, however, some difficulty in reconciling these figures with those given in the statement in paragraph 62, showing the working of the assessment sections. According to the latter statement the valuation of the town before revision amounted to Rs. 1,44,96,885; the valuation after revision, but before the objections had been disposed of, to Rs. 1,53,81,620; and the valuation after the objections had been determined, to Rs. 1,50,96,063. Now obviously the first of these figures ought to tally, and does approximately tally, with the valuation (Rs. 1,44,86,479) as it stood at the end of 1888-89, when revision operations under the new law had not been commenced; while the last, representing the progress made in revision up to the end of the year under review, ought to correspond with the amount (Rs. 2,01,35,128) shown as the valuation on the 31st March 1891. No such correspondence, however, is traceable in the latter case, nor is any explanation given of the great discrepancy between figures which purport to represent identically the same set of facts. No less than 1,237 objections to the assessor's valuations had remained pending from the previous year, and 3,280 objections were filed within the year under report. The number of objections, therefore, to be determined by the Chairman and Vice-Chairman under section 136 was 4,487. Of this only 1,259 were disposed of during the year, leaving 3,228 pending. These figures point to a difficulty which may require to be met by an amendment of the Municipal Act. Under the law as it stands now, the Vice-Chairman is the only officer whom the Chairman can depute to determine objections, and the number of objections has increased and tends to increase so largely that it is doubtful whether the Chairman and Vice-Chairman can possibly keep pace with the work. The Commissioners have submitted to Government a special representation on this subject, which will have the Lieutenant-Governor's careful consideration.

Results of the Census.

9. The Census of Calcutta was taken on the night of the 26th February 1891, under the supervision of Mr. H. F. T. Maguire, C.S., whose services were placed at the disposal of the Commissioners for this purpose. Mr. Maguire's report has not been sent up by the Commissioners, and the account given in the Municipal Report of the results of the enumeration is so meagre as to offer practically nothing to review. The population was found to be as follows:—

	1891.			1881.		
	Males.	Females.	Total.	Males.	Females.	Total.
In the old town ...	287,034	149,359	436,393	257,778	143,893	401,671
In the added area ..	128,007	85,001	213,008			
In the Fort ...	3,119	349	3,468			
In the Port ...	26,515	73	26,588			
In the canals ...	2,072	30	2,102			
	446,747	234,812	681,559			

Arranged with reference to conjugal condition, the statistics give the following proportions:—

Conjugal Condition.	Percentage on Population.						Percentage on Sex.			
	Male.		Female.		Total.		Male.		Female.	
	1891.	1881.	1891.	1881.	1891.	1881.	1891.	1881.	1891.	1881.
Single	19·6	20·5	8·7	7·9	28·3	28·4	30·5	32·2	24·4	21·7
Married	42·0	40·3	16·3	15·5	58·3	55·8	65·5	63·2	45·2	42·7
Widowed	2·5	2·9	10·9	12·9	13·4	15·8	4·0	4·6	30·4	35·6
Total ...	64·1	63·7	35·9	36·3	100·	100·	100·	100·	100·	100·

In this table the figures for 1891 relate to the entire town, while those for 1881 exclude the suburban area added under the Municipal Act of 1888. No precise comparison between the statistics of the two periods can therefore be attempted. It deserves notice, however, that the disproportion of females which has always been a characteristic of the population of Calcutta, has become slightly more marked since the inclusion of the Suburbs—a result which was *primâ facie* hardly to be looked for, since it appears probable that the added area contains a larger proportion of resident families than the town. Along with a slight decrease in the proportion of females to the total population, the figures show a considerable decline in the proportion of widows among them. Of the females enumerated in the town in 1881, no less than 35·6 per cent. were widows, and this proportion has fallen to 30·4 per cent. among the females recorded in 1891. The average density of the population per acre varies from 226 in Colootola, 161 in Jorabagan, and 159 in Jorasanko, to 11 in Alipore and Ballygunge. Classified according to religion, the inhabitants of Calcutta comprise 428,760 Hindus, 189,226 Mahomedans, 26,406 Christians, 2,145 Buddhists, 493 Jains, 1,387 Jews, 168 Zoroastrians, 108 Sikhs, and 708 Brahmos. It is understood that the results of the Census of Calcutta will be exhaustively examined by the Superintendent of Census, Bengal, in his report on the Census of the entire Province, and in reviewing that report the Lieutenant-Governor will take the opportunity of discussing the Calcutta statistics more fully than is possible on the very meagre particulars given in the Municipal Report.

10. The report of the Health Officer of Calcutta, like those of the Sanitary Commissioners throughout India, is for the calendar year, and deals separately with the vital statistics of Calcutta proper and of the amalgamated portion of the Suburbs. The Lieutenant-Governor approves of the proposal of the Commissioners that in next year's report the vital statistics of the entire municipal area shall be dealt with as a whole. The following statement compares the births and deaths of the town and the added area during the last two years, the ratios per thousand being calculated on the population recorded in 1891, except in the case of the town mortality for 1889, which is reckoned on the population of 1881:—

Vital statistics.

	Town.		Suburban area.	
	1889.	1890.	1889.	1890.
Number of births ...	8,753	7,948	3,565	3,970
Ratio per 1,000 ...	20·2	17·0	16·5	18·4
Number of deaths ...	11,682	12,382	7,882	7,980
Ratio per 1,000 ...	26·9	26·5	36·5	37·4

In last year's report the mortality for the Suburbs was calculated on the population of 1881, giving a death-rate of 46·9 per thousand, which the results of the present Census show to be considerably in excess of the true rate. Even after this correction has been made, the mortality of the suburban area still exceeds that of the town by nearly 11 per thousand. No attempt is made to explain this difference by reference either to the sanitary conditions of the two areas, or to the habits of the population. Taking the mortality by wards, it appears that the highest death-rates in Calcutta were recorded in Hastings (38·5), Bamanbasti (37·1), Jorabagan (31·4), and Burtollah (29·9), while in the suburban area Alipore (41·3), Kidderpore (41·2), and Bhowanipore (3[illegible]·9) show the highest rates. In Hastings the death-rate from cholera was 4·1 and from fever 17·8 per thousand. Kidderpore shows a death rate of 4·9 from cholera and 17·0 from fever; and Alipore 11·6 from fever and 8·5 from bowel-complaints. In the suburban area the mortality of the year did not materially exceed that of 1889. The increase of 700 deaths in Calcutta is attributed mainly to fever, which the Health Officer thinks may have been caused by the sewers, "which, when flooded, leak and pollute the soil of Calcutta and its sub-soil water." In putting forward this novel theory, the Health Officer seems to make rather too much of the suggestion thrown out by Mr. Baldwin Latham in paragraph 20 of his report on the sewerage of Calcutta, that the existing sewers, when full to overflowing, "must let the sewage out into the sub-soil." Mr. Baldwin Latham's conjecture rests only upon a hurried examination of the Calcutta system of sewer, and has not been verified by experiments; while the Engineer of the Corporation, who has been occupied with the sewers for years past, states distinctly that, having stripped sewers of all sizes in Calcutta, he has "never found any indication whatever of the penetration of sewage into the adjacent soil." Apart from this, the report of the Sanitary Commissioner for Bengal shows that during the year 1890 fever mortality was unusually high in the Presidency Division and in the small municipalities near Calcutta—a state of things which clearly cannot be attributed to the Calcutta sewers, and which seems to point to the operation of some more general cause.

As regards cholera, the year was a favourable one, the number of deaths (963) being the lowest during the last twenty-five years, with the exception of 1871, when the cholera mortality was 796, and 1880, when it reached 805. A notable outbreak occurred during the first fortnight of February, which was confined to certain localities into which the disease is thought to have been imported by the arrival of infected persons from the neighbouring districts.

The mortality from small-pox rose from 71 in 1889 to 700 in 1890 owing to the prevalence of a severe epidemic during February, March and April. The section most violently affected was Jorabagan, where 180 deaths occurred. This quarter is largely inhabited by up-country people, who are said to have strong prejudices against vaccination. It is satisfactory to find that in consequence of the epidemic a larger number of persons were vaccinated than in previous years, and that vaccination was introduced into several Marwari and Khatri families who had hitherto resisted it.

11. The working of Mr. Harrington's incinerator, which was purchased by the Corporation, is, on the whole, favourably reported on. It appears to burn refuse in sufficient quantity thoroughly and regularly, and it can be worked without skilled labour or excessive supervision. Its only defect is said to be its failure to consume its own smoke, and Mr. Baldwin Latham has suggested a method of getting over this difficulty, which is under consideration by the Commissioners. Meanwhile the working of the incinerator has been stopped. The Health Officer also, who was recently deputed by the Corporation to represent them at the Congress of Hygiene and Demography, was instructed, when in Europe, to take the opportunity of acquiring information on the subject of cremators suitable to the climate and conditions of Calcutta. The Lieutenant-Governor hopes that his inquiries may indicate the means of successfully

overcoming the defect in the present incinerator. The cost of Dr. Simpson's journey will have been money well spent if it results in providing Calcutta with a cheap and wholesome means of disposing of the constantly increasing mass of insanitary refuse.

Water-supply.

12. Convincing proof of the close relation that exists between the improvement of water-supply and the diminution of cholera is afforded by the fact that during the five years 1866—1870, before filtered water was brought into Calcutta, no less than 18,422 deaths from cholera occurred in the town, being 8·5 per thousand of the population as it then stood. With the introduction of filtered water, the mortality during the next five years dropped to 5,922, or 2·7 per thousand. Between 1876 and 1880 a slight increase to 6,598 deaths, or 3·0 per thousand, was observed, and in the five years 1881—1885, when population was beginning to outrun the water-supply, cholera mortality rose to 9,845 deaths, or 4·5 per thousand. Finally, the effect of the water-supply extension of 1888 has been to reduce the deaths from cholera during the five years 1886—1890 to 6,773, or 2·8 per thousand on the present population of the Municipality. In the twenty-one years, therefore, during which the town has been supplied with pure drinking-water, the death-rate from cholera has been reduced to little more than one-fourth of its former standard, and there is every reason to hope that the further extension of this benefit will not fail of its effect. The Engineer's report shows that at the close of the year under review the length of mains and services on the filtered system amounted to 231 miles, of which 47 miles were laid during the year. The average daily supply per head of the population was 39·46 gallons in the town and 15 gallons in the added area. A new pumping-station, designed to supply the southern portion of the added area, was commenced at Bhowanipore, and very creditable progress was made in the buildings during the year. The Lieutenant-Governor has under consideration a scheme, the object of which is to make it easier for other municipalities in Bengal to follow the excellent example set them by the Calcutta Commissioners in the matter of water-supply, by enabling them to combine their resources for this purpose, and thus to carry out projects which would otherwise be beyond their means.

Drainage.

13. The problem of efficiently draining an area which so nearly approaches to a dead level as the City of Calcutta is necessarily one of considerable difficulty, and doubts have often been expressed as to some features of the system adopted. The extension of the municipal limits, so as to include the Suburbs, has obliged the Commissioners to consider the question of undertaking new drainage works, and they very wisely resolved to take the opportunity of the presence in India of Mr. Baldwin Latham, a well-known Sanitary Engineer, to obtain his opinion as to the best means of draining the 12·82 square miles known as the "amalgamated area," and at the same time of improving the Calcutta system. Mr. Baldwin Latham spent about three weeks in Calcutta, and prepared a scheme for the drainage requirements of the Municipality, which, with an elaborate and careful note by the Engineer to the Corporation, forms part of the voluminous appendices to the Annual Report. The project is a large one, and, according to the estimates recently worked out by the Engineer, will cost about Rs. 1,70,69,000 to carry out fully. The Lieutenant-Governor trusts, however, that if recourse is had to the improved methods of sanitary engineering which have been introduced in England within the last few years, it may be found possible to effect material reductions in this estimate.

Education.

14. Chapter VII of the Report, bearing the title Public Instruction, is singularly wanting in information on the important question, how far the Calcutta Municipality attempts to provide primary education for the boys and girls within its area. It consists of five lines of print and an unexplained table of grants-in-aid to schools situated in the Suburbs, aggregating Rs. 3,141, the whole of which, however, is said not to have been claimed during the year. Nothing is said as to the class of schools aided, the principle on which the grants are made, or the steps taken to obtain proper value for the money spent. It appears from the report of the Director of Public Instruction that on the 7th August last the

Secretary to the Corporation informed the Inspector of Schools, Presidency Circle, that the expenditure incurred by the Municipality during the year had been Rs. 678. The Inspector also observes—

"So far as I am aware, the Corporation has no special officers for the examination and inspection of the schools, and no special rules for the payment of rewards. Such being the case, it is but natural that there should be occasional irregularities. For instance, under section 36 (clause 12) of Act II (B.C.) of 1888, the Corporation is authorised to help primary and technical schools only. But from the returns furnished by the Secretary for the year 1889-90, it appears that middle schools also enjoyed a considerable share of their patronage. Again, it is not unusual for unscrupulous men to start pathsalas at the close of the year for the purpose of earning rewards, and melting away as soon as that object is fulfilled. The possibility of such malpractices is no mere hypothesis. A case of this nature is reported by the Sub-Inspector, in which one Bhutnath Mukerji of Khidderpur, Koyla Sarak, is said to have improperly earned some municipal money by showing off a pathsala attended mostly by pupils from other schools. The matter is still under investigation."

The Director of Public Instruction has been asked to inquire further into the discrepancy in the figures, the alleged short expenditure, and the mode of administering the educational grant in Calcutta, and the Lieutenant-Governor trusts that the Commissioners themselves will pay attention to the subject and treat it somewhat more fully in their next report.

15. In paragraph 18 of the Resolution on the Report of the Calcutta Municipality for 1889-90, the attention of the Commissioners was drawn to section 37, clause 7 of the Municipal Act, under which not less than three lakhs of rupees must be spent every year on the improvement of the area added to Calcutta, and they were requested to state specifically in future reports the manner in which this provision of the law had been complied with. This request appears to have been overlooked. Nowhere in the body of the Report is there any such specific statement as was asked for in the Resolution. Paragraph 136 mentions various sums sanctioned for work in the amalgamated area, but there is nothing in that paragraph to show what proportion of these sums was actually spent during the year. A reference to the detailed accounts forming Appendix D to the Report appears to indicate that Rs. 9,65,920 were laid out on suburban water-supply and Rs. 1,17,741 on roads and improvements in the amalgamated area; but it need hardly be observed that the fact of the Commissioners having thus amply fulfilled their statutory obligations should have been prominently brought forward in the Report, instead of being left to be gathered in a more or less conjectural fashion from a body of accounts nearly a hundred pages in length. The expenditure on basti cleansing and structural improvements of the town amounted during the year to Rs. 2,31,993 against Rs. 2,46,572 in 1889-90.

Basti cleansing, structural and suburban improvements.

16. Notwithstanding the defects of form which have been pointed out, the Report discloses much excellent work done by the Commissioners, and real progress made in several important branches of municipal administration. That the public believe the financial position of the Corporation sound is proved by the practical test of their loans being readily taken up, although the rate of interest has been reduced. The money thus raised appears to have been wisely laid out. The water-supply has been extended, an improved drainage scheme has been prepared, work on the Central Road has been pushed forward, the question of the disposal of refuse has been advanced a stage by the experimental purchase of an incinerator, revision of assessments has been carried on, and a variety of useful improvements have been made in the added area. The thanks of the Lieutenant-Governor are due to the Commissioners, the Chairman, the Health Officer and the Engineer for the energy and good will they have shown in meeting the increased responsibilities laid upon them by the introduction of the new Municipal Act.

General.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Govt. of Bengal.

ANNUAL REPORT ON THE WORKING OF THE LICENSED WAREHOUSE AND FIRE-BRIGADE ACT IV (B.C.) OF 1883.

The following report is published for general information.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Government of Bengal.

ANNUAL REPORT OF THE WORKING OF THE JUTE WAREHOUSE AND FIRE-BRIGADE ACT IV (B.C.) OF 1883, IN THE HOWRAH MUNICIPALITY, DURING THE YEAR 1890-91.

Number of Warehouses licensed. Appendix A.

Thirty-two warehouses for the storage of jute, cotton, and other fibres were licensed during the year, as against thirty-six in the previous year, and a classified list of them is given in Appendix A under the headings—

I. Jute and Cotton Warehouses.
II. Warehouses connected with Jute Mills.
III. " " " " Presses.
IV. " " " Cotton Mills.
V. " " " Roperies.

Receipt and expenditure.

2. The gross receipt on account of the licenses granted was Rs. 6,250, which is less by Rs. 250 than that in the previous year; and the expenditure was—

	Rs.	A.	P.
80 per cent contribution to fire-brigade	4,600	0	0
Salary of Inspector at Rs. 50 per month ...	600	0	0
Personal allowance to Inspector at Rs. 20 per month ...	240	0	0
Contingencies	73	8	0
Total ...	5,513	8	0

The Municipal Accounts show an expenditure during the year of Rs. 10,793-8-0, but this includes payment of Rs. 5,280 to the Commissioner of Police in adjustment of the overdue 80 per cent. contribution for the previous year.

Fire-brigade station and outposts.

3. The head Fire-brigade station, centrally situated near the Municipal market, consists of a double storied building with suitable stabling and out-offices, standing on 1¼ bighas of land, presented by the Commissioners in 1889, and on the terraced roof of the main building, which is 30 feet high, is a look-out, the observer in which is 65 feet above the level of the ground.

In addition to this, there is a Fire-brigade outpost at the Seebpore thanah, and another at Bandaghât, Sulkia, the rental of which is paid by the Commissioners at the rate of Rs. 10 per month.

Fire-brigade Budget for 1890-91.

4. The Fire-brigade Budget on the expenditure side for 1890-91 was—

ESTABLISHMENT.

				Rs.	A.	P.
1	Superintendent	at Rs.	20 per month	240	0	0
1	Engineer	"	130 "	1,512	0	0
1	Tindal	"	10 "	120	0	0
1	Fireman	"	10 "	120	0	0
3	Tindals	"	8 each "	288	0	0
12	Khalasees	"	7 " "	1,008	0	0
6	"	"	6 " "	432	0	0
1	Engine-driver	"	10 "	120	0	0
3	Syces	"	7 each "	252	0	0
			Total ...	4,092	0	0

CONTINGENCIES.

	Rs.	A.	P.
Feed and keep of horses, including shoeing, veterinary attendance, repairs of harness, &c. ...	750	0	0
Rewards to informers giving notice of fires ...	50	0	0
Repairs of engines and brake-vans	500	0	0
Steam-engine hose and gear.	200	0	0
Purchase of a horse	600	0	0
Repairs of building and look-out	300	0	0
Sundries—oil, soap, cotton waste, &c.	500	0	0
Total ...	2,900	0	0

ABSTRACT.

	Rs.	A.	P.
Establishment	4,092	0	0
Contingencies	2,900	0	0
Total ...	6,992	0	0

The budgeted expectation was Rs. 6,150, while, as shown above, the actual receipt was only Rs. 4,600.

Fire-Brigade plant.

5. The Fire-brigade plant consists of 3 horses, 1 steam fire-engine, 4 manual fire-engines, 1 horse brake-van, 1 horse hose cart, and 1 hand hose cart.

Of this plant 1 manual fire-engine is kept at the Seebpore outpost in charge of 1 Tindal and 2 Khalasees, all the rest being at the head station, whence 1 manual fire-engine, and establishment similar to that at the Seebpore outpost, will be transferred to the Bandaghat outpost, when it is ready for occupation.

Work done by the Fire-brigade. Appendix B.

6. Appendix B shows that only seven fires were extinguished by the local Fire-brigade in 1890-91, and that the value of the property destroyed did not exceed Rs. 1,060.

These results appear insignificant with reference to the budgeted expenditure of Rs. 6,992, but in connection with them have to b considered the unknown value of the property saved, and the incalculable security assured to both life and property by the presence of the Fire-brigade, and by the excellent nature of its work, as deduced from Appendix B :—

Serial number of fire.	Duration of fire.	Interval between alarm at fire station and arrival of brigade at site of fire.	Time taken in extinguishing fire.	Interval between outbreak and arrival of brigade at site of fire.	REMARKS.
1	0H. 45M.	0H. 8M.	0H. 22M.	0H. 23M.	The third and the last column are an almost incredible record of discipline, readiness and energy.
2	6H. 0M.	0H. 25M.	5H. 30M.	0H. 30M.	
3	1H. 0M.	0H. 10M.	0H. 45M.	0H. 15M.	
4	3H. 0M.	0H. 5M.	2H. 50M.	0H. 10M.	
5	1H. 30M.	0H. 5M.	1H. 20M.	0H. 10M.	
6	0H. 30M.	0H. 10M.	0H. 15M.	0H. 15M.	
7	0H. 50M.	0H. 5M.	0H. 40M.	0H. 10M.	

Maintenance of the Fire-brigade. Appendix C.

7. The Government of Bengal in Resolution No. 282, in the Municipal Department, dated the 18th February 1891, referred the question to the Commissioners, raised by the Bengal Chamber of Commerce, regarding the equity of augmenting the Fire-brigade Fund by a contribution from the Municipal Fund.

The report of the Special Sub-Committee of Municipal Commissioners appointed to consider this question is attached as Appendix C.

U. C. MITRA,
Chairman.

APPENDIX A.

Classified list of Warehouses licensed in the Howrah Municipality during the year 1890-91.

Serial No.	Register No.	Name of Concern, Owner, Occupier, Agent, and Manager.		Situation.	Description of premises.	Annual valuation.	Amount of fees realised	Date of payment.
			I. Jute and Cotton Warehouses.			Rs.	Rs.	
1	1	Owner ...	Modoo Soodun Coondoo ...	10, Goorgoollah ghat.	4 Small warehouses.	504	50	2nd April 1890
		Occupier ...	Ditto.					
2	2	Owner ...	Messrs Burjorjee Framjee, & Co.	4 Khetter Mitter's Lane.	4 and 4-3 warehouses.	367	50	16th Ditto.
		Occupier ...	Ditto.					
3	6	Owner ...	Chintamoney Dey	Koochil Parahmanik's Lane.	One warehouse ...	144	50	27th May 1890.
		Occupier ...	Ditto.					
4	7	Owner ...	Chintamoney Dey	Dhurrumtollah Lane, Sulkiah.	One warehouse ...	144	50	Ditto
		Occupier ...	Ditto.					
5	8	Owner ...	Koylash Chandra Dutta ...	130, Old Goosery Road.	Two warehouses...	450	50	30th June 1890.
		Occupier ...	Hurmook Ray Phoolchand ..					
6	9	Owner ...	Mohur Singh	Old Goosery Road	One warehouse ...	150	50	Ditto.
		Occupier ...	Huranundo Ray Phoolchand					
7	10	Owner ...	Gonesh Das Joyram ...	140, Old Goosery Road.	One warehouse ...	300	50	3rd July 1890.
		Occupier ...	Ditto.					
8	12	Owner ...	Bhaugoban Chandra Banerjee	46, Howrah Road	Two warehouses, Nos. 3 and 4.	450	50	14th Ditto.
		Occupier ...	Ditto.					
9	16	Owner ...	East Indian Railway Co. ...	Howrah Ghât Road.	Portions of Good's sheds.	1,200	200	22nd Ditto.
		Occupier ...	Ditto.					
10	17	Owner ...	East Indian Railway Co. ...	29, Dobson's Road	Portions of Good's sheds.	1,000	100	22nd Ditto.
		Occupier ...	Ditto.					
11	22	Owner ...	Burmomoyee Dabee ...	182, Horrogunge Road.	Two warehouses, Nos. 1 and 8.	676	50	15th Aug. 1890.
		Occupier ...	Ditto.					
12	23	Owner ...	Soondry Dabee	27, Horrogunge Road.	One warehouse ...	144	50	17th Dec. 1890.
		Occupier ...	Goojur Mull					
13	24	Owner ...	Hordoyal Bissondoyal ...	50 Howrah Road...	One warehouse ...	360	50	18th Ditto.
		Occupier ...	Bhagoban Dass					
			II. Warehouses connected with Jute Mills.					
14	27	Concern ...	Howrah Mills Co., Ld. ...	435, Grand Trunk Road.	Three warehouses and a batching house.	4,735	500	19th December 1890.
		Owner ...	Ditto.					
		Agent or Manager.	Messrs. Ernsthausen, & Co., (A).					
15	19	Concern ...	Seebpore Jute Manufacturing Co., Ld.	7½, Kowrahparah Ghat Road.	Two warehouses...	3,000	300	30th July 1890.
16	20	......	....	31, Rajnarain Ray Chowdry's Ghât Road.	Ditto ...	1,500	200	Ditto.
		Owner... ...	Seebpore Jute Manufacturing Co. Ld.					
		Agent or Manager.	Messrs. Apcar & Co. (A) ...					
17	25	Concern ...	Ganges Jute Manufacturing Co., Ld.	443, Grand Trunk Road.	One warehouse and a batching house.	2,677	300	22nd December 1890.
		Owner ...	Ditto.					
		Agent or Manager.	Messrs. Macneill & Co. (A) ...					
18	13	Concern ...	Central Jute Mills Co., Ld. ...	24, Joya Bibi's Lane, Goosery.	Two large warehouses.	3,000	300	19th July 1890.
		Owner ...	Ditto.					
		Agent or Manager.	Messrs. Andrew Yule & Co. (A).					
			III. Warehouses connected with Jute Presses.					
19	21	Concern ...	Nasmyth Patent Press Co., Ld.	103, Old Goosery Road.	One press house and five warehouses.	11,060	1,200	11th August 1890.
		Owner ...	Ditto.					
20	28	Ditto ...	Messrs. W. H. Harton & Co....	126, Old Goosery Road.	One large warehouse.	900	100	3rd January 1891.
		Agent or Manager.	Messrs. Jas Duffus & Co. (A)					
21	3	Concern ...	West's Patent Press ...	7 Ooriaparah Lane, Sulkiah.	North block of warehouses.	3,100	400	23rd April 1890.
22	29	......	....	Ditto ...	One new warehouse.	720	50	23rd January 1891.
		Owner ..	Messrs. Anderson Wright & Co.					
		Agent or Manager.	Mr. J. Cartland (M)					
23	18	Concern ...	Ramkistopore Press Co., Ld...	227, Grand Trunk Road.	One screwhouse and all the warehouses.	4,160	500	24th July 1890.
		Owner ...	Ditto.					
		Agent or Manager.	Mr. J. Ruston (M)					
24	11	Concern ...	Howrah Hydaulic Press, Co.	54, Rosemary Lane	Four warehouses Nos. 2, 3, 4, and 5.	2,831	300	9th ditto.
25	32	......	....	Ditto ...	One warehouse corrugated shed.	165	50	13th March 1891.
		Owner ...	Messrs. W. Haworth & Co. ...					
		Agent or Manager.	Ditto.					

Serial No.	Register No.	Name of Concern, Owner, Occupier, Agent, and Manager.		Situation.	Description of premises.	Annual valuation.	Amount of fees realised.	Date of payment.
			IV. Warehouses connected with Cotton Mills.					
26	14	Concern ...	Goosery Cotton Mills Co., Ld.	24, Old Goosery Road.	Four warehouses	2,000	200	26th July 1890.
		Owner ...	Ditto.					
		Agent or Manager.	Messrs. Robinson, Morrison, & Co. (A).					
27	5	Concern ...	Victoria Cotton Mills	36, Joya Bibi's Lane.	Four warehouses, Nos. 2, 3, 4, and 5 and a corrugated iron shed.	4,805	500	1st May 1890.
		Owner ...	Messrs. Pestonjee, Eduljee, Guzdar & Co.					
		Agent or Manager.	Mr. K. J. Guzdar (M).					
28	30	Concern ...	Calcutta Cotton Mills Co., Ld	158, Nuskurpara Lane.	Four warehouses	2,000	200	12th March 1891.
		Owner ...	Ditto.					
29	31	Ditto ...	Jumna Dass Burmo Dutt ...	155, Old Goosery Road.	One large warehouse.	1,000	100	12th March 1891.
		Agent or Manager.	Mr. R. G. Palmer (M).					
			V. Warehouses connected with Roperies.					
30	4	Concern ...	Shalimar Steam Rope Works	36, Shalimar Road	Two warehouses ..	1,000	100	28th April 1890.
		Owner ..	Messrs. Ahmuty & Co.					
		Agent or Manager.	Mr. J. Benson (M).					
31	15	Concern ...	Goosery Patent Rope Works ...	126, Old Goosery Road.	Portions of warehouses.	450	50	19th July 1890.
		Owner ...	Messrs. W. H. Harton & Co.					
		Agent or Manager.	Mr. J. Jewell (M).					
32	26	Concern ...	Rope Works	College Road ...	One large warehouse	180	50	30th December 1890.
		Owner ...	Messrs. Shobul Chandra Mullick & Co.					
		Agent or Manager.	Gopal Lall Chowdry (A).					

U. C. MITRA,
Chairman.

APPENDIX B.

HOWRAH MUNICIPALITY.

Statement showing the particulars of fires which occurred in Howrah during the year 1890-91.

DATE.		Locality of fire with section letter.	Time of outbreak.	Time of alarm at Fire station.	Time of arrival of brigade.	Nature of property destroyed with approximate value, and whether insured or not.	Cause of fire.	REMARKS.
November 1890	9th .	Seebpore ...	10-45 P.M.	11 P.M.	11-8 P.M.	A thatched hut, value Rs. 10.	Unknown ...	All out at 11-30 P.M.
Do. ,,	15th...	Seal's Lane, Ghoosery.	12 A.M.	12-5 A.M.	12-30 A.M.	4 Tiled huts and a stack of 300 drums of jute, value Rs. 500.	Ditto ...	All out at 6 A.M.
December ,,	11th...	Bantra, Howrah	8 A.M.	8-5 A.M.	8-15 A.M.	3 Large tiled huts, value Rs. 100.	Ditto ...	All out at 9 A.M.
February 1891	7th...	Bantra ,,	6-30 P.M.	6-35 P.M.	6-40 P.M.	3 Tiled huts and a stack of straw, value Rs. 300.	Ditto ...	All out at 9-30 P.M.
Do. ,,	18th...	Howrah ...	2 A.M.	2-5 A.M.	2-10 A.M.	2 Tiled huts and a quantity of bags, value Rs. 25.	Fire from a smoking choola.	All out at 3-30 A.M.
March ,,	1st ...	Golabarry ...	12-30 A.M.	12-35 A.M.	12-45 A.M.	A large tiled house, value Rs. 100.	Fire from a chillum.	All out at 1 A.M.
Do. ,,	14th...	Howrah	11-10 P.M.	11-15 P.M.	11-20 P.M.	A tiled shed containing hay, value Rs. 25.	Unknown ...	All out at 12 A.M.

CALCUTTA,
18*th July* 1891.

A. B. BARNARD,
Dy. Commr. of Police.

APPENDIX C.

HOWRAH MUNICIPALITY.

Report, dated the 7th May* 1891, *of the Special Sub-Committee appointed by Resolution No.* 13 *of the* 1*st ultimo, to consider the questions referred to the Commissioners by Government in connection with the maintenance of the Fire-brigade.

ADOPTED BY RESOLUTION No. 5, DATED THE 20TH MAY 1891.

READ—

(1).—Government of Bengal Resolution, in the Municipal Department, No. 282 of the 18th February last, together with the letters and estimates accompanying it.

(2).—Report, dated the 8th March 1890, of the Special Sub-Committee appointed to consider G. O. No. M $\frac{1}{3}$4, dated the 8th idem.

(3).—Resolution No. 5 of an Ordinary General Meeting of the Commissioners held on the 18th June last.

(4).—Annual reports on the working of the Jute Warehouse Act for the years 1886-87, 1887-88, 1888-89, and 1889-90.

From the data before us it appears that during the four years commencing with 1st April 1886 and ending with 31st March 1890, there were 46 fires at Howrah representing a loss of Rs. 3,77,665, the particulars of which are as follows :—

Nature of building, industry, &c.	No of fires.	Value of property destroyed.
		Rs.
Jute and Cotton Warehouses	5	3,71,000
Depôts, &c, licensed under section 261, Act III (B.C.) of 1884	7	3,185
Houses and huts	32	2,880
Docks	1	100
Boats laden with straw	1	500
Total ...	46	3,77,665

Also, as stated in the last resolution on this subject, the Commissioners paid for years the rent and taxes of a house in the Chandmaree Road for a Fire-brigade station, and in 1889 made over for this purpose 1¼ bighas of land worth Rs. 2 per cotta per mensem.

Further, the Commissioners have just sanctioned Rs. 10 per month for the Fire-brigade station at Bandha Ghât.

Considering these circumstances, and the fact that nothing has transpired to alter the opinion last expressed by the Commissioners, we recommend that the Fire-brigade be still maintained by fees levied as heretofore under Act IV (B.C.) of 1883, and that no contribution be made towards it under section 69, Act III (B.C.) of 1884.

We, however, suggest that the Jute Warehouse Act be amended, so that docks, distilleries, baled cotton warehouses, roperies, timber yards, coal yards, traders in kerosine and other oils, and dealers in other inflammable materials, be also made to contribute towards the maintenance of the Fire-brigade.

Moreover, we quite agree with the opinion expressed in the Government letter referred to us for report, that the Port Commissioners should also be requested to contribute towards the maintenance of the Fire-brigade, and as a cogent reason for the adoption of this measure as regards Howrah, it may be urged that, while it has a river frontage as long as that of Calcutta, the Port Commissioners have no fire-engines here, as in the Metropolis, to help the local Fire-brigade.

NARA SINGHA DUTT, *Vice-Chairman*,
C. N. BANERJEE, } *Members*.
W. C. BANERJEE,

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 14th November, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
Burdwan Divn.			
1	Burdwan Nov. 14, '91 Culna ... Cutwa ... Raneegunge ...	Nil Nil 0·91 Nil	Weather—cloudy and hot for the time of year. Rain has done some good to crops in Cutwa subdivision. Sowing of *rabi* crops progressing. Prices of common rice:— Srs. Burdwan ... ... 16 Culna ... ... 14 Cutwa ... ... 14 1/8 Raneegunge ... ... 16 } per rupee.
2	Bankoora „ 14, '91	Nil	Weather—hot for the season. Rain wanted for *aman* and *rabi* crops. Harvesting of *aman* paddy continues. Sugarcane doing well. No want of fodder and water for cattle. Price of common rice steady at 15½ to 18 seers per rupee.
3	Birbhum „ 14, '91 Rampore Haut ...	Nil 1·31	Weather—clear, but only occasionally cloudy. Low land paddy in good condition; upland paddy has sustained injury from drought, but the loss is not likely to exceed, say, a fourth. Fodder and water-supply plentiful. Common rice selling at from 15 to 18 seers per rupee.
4	Midnapore „ 14, '91	Nil	Weather—seasonable, a little rain in places. *Aman* paddy suffering from want of rain. *Rabi* and indigo crops doing well. No want of fodder. Prices of common rice:— Srs. Sudder ... ... 16 Contai ... ... 18 } per rupee.
5	Hooghly „ 14, '91 Serampore ... Jehanabad ...	Nil 0·24 0·30	Weather—cool and cloudy. No rain at Sudder. There was a scanty fall in the subdivisions of Serampore and Jehanabad, which will do some good to the winter rice. No cattle-disease. Fodder-supply sufficient. Prices of common rice:— Srs. Sudder ... ... 12 Serampore ... ... 12 Jehanabad ... ... 14 } per rupee.
6	Howrah „ 14, '91 Uluberia ...	Nil 0·36	Weather—cloudy and warm. Paddy on high lands somewhat damaged; otherwise prospects favourable. *Rabi* crops being sown. Health of cattle good, except in a very limited jurisdiction. Fodder and water-supply sufficient. Price of common rice 14 seers per rupee.
Presidency Divn.			
7	24-Perghs. „ 17, '91	Nil	Weather—seasonable. *Aman* on high lands withering; on low lands it is coming into ear. Recent rain has done some good to winter crops. Prices steady. Cattle-disease reported from three villages in thana Harowa. Supply of fodder and water sufficient.
8	Nuddea „ 14, '91 Kushtea ... Meherpore ... Chuadanga ... Ranaghat ...	Nil 0·46 0·30 0·09 0·61	Weather—hot for the season. Harvesting of *aman* going on. Prospects bad. Sowing of winter crops nearly finished. Condition of cattle good. Supply of fodder and water sufficient. Common rice selling at from 12¾ seers to 14½ seers per rupee.
9	Khoolna „ 14, '91 Bagirhat ... Satkhira ...	1·22 2·28 2·75	Another heavy shower on the 12th. Weather now unsettled. Prospects of *aman* have been considerably improved by the rain, which, however, came too late for much of the paddy on high land. Fodder and water sufficient. Price of common rice 14 to 15 seers per rupee.
10	Jessore „ 14, '91 Jhenidah ... Magura ... Narail ... Bongong ...	0·54 0·27 0·46 2·11 0·44	Weather—cloudy with drizzling rain in the first part of the week. More rain wanted. *Boran* paddy in ears and *chotan* paddy being harvested. Cultivation of *rabi* crops going on. Supply of water and fodder plentiful.
11	Murshedabad „ 16, '91	Nil	Weather—seasonable. Recent rain has improved prospects of winter rice. *Rabi* sowings almost finished, and plants appear to be thriving well. Fodder for cattle sufficient. Ten heads of cattle died of small-pox in Kandi sub-division.
Chittagong Divn.			
12	Chittagong „ 17, '91	0·10	Weather—variable early in week; latterly fair. Late showers somewhat benefited standing crops. Insects reported to be damaging crops in places. Prices steady. Condition of cattle fair. Fodder sufficient.
13	Noakhally „		Report not received.
14	Tipperah „ 14, '91	0·62	Weather—cold. Recent rain has improved prospects of crops, which are fair. Fodder sufficient. Cattle-disease prevails in parts of the Chandpur sub-division.
15	Chittagong Hill Tracts. „		Report not received.

Division	No	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
DACCA DIVN.	16	Dacca	Nov. 14, '91	0·60	Weather—cloudy. Rain throughout the district except in Manickgunge. Prospects of *aman* good generally, although it has been partially damaged in high lands, but recent rain has done much good. *Asvin* paddy is still being cut. Fodder available. Common rice selling at from 13 to 17 seers per rupee. No cattle-disease.
	17	Furreedpore	„ 14, '91	0·05	Weather—not seasonable. Prospects of crops fair. No cattle-disease. Rice selling at 15 seers, 14 to 16 seers and 15 to 16 seers per rupee, respectively, at Sudder, Goalundo and Madaripore.
	18	Backergunge	„ 14, '91	Nil	Weather—unseasonable with cloudy sky and slight rain. Prospects of winter crops somewhat improved. Price of common rice varies from 12 to 17 seers per rupee. Supply of fodder and water sufficient.
		Perozepore	.	0·95	
		Bhola	...	0·38	
		Patuakhali	...	0·20	
	19	Mymensingh	„ 14, '91	0·02	Weather—seasonably cold and cloudy. Prospects of crops fair. Recent rain has improved winter rice to extent of 7 or 8 per cent. Supply of fodder and water sufficient. Condition of cattle good. Rice sells at 14 seers per rupee on an average.
RAJSHAHYE DIVN.	20	Dinagepore	„ 14, '91	Nil	Weather—seasonable. Prospects of winter rice continue bad. *Rabi* cultivation not yet finished. Price of rice has again risen at Sudder—12 seers per rupee. It has also risen at Thakurgaon—10 seers per rupee. Condition of cattle good. Supply of fodder and drinking water sufficient.
		Thakurgaon	...	Nil	
	21	Rajshahye	„ 14, '91	Nil	Weather—seasonable. Condition of *aman* is a little better owing to recent rainfall. Prospects of *rabi* improved. Outturn of *aman* estimated is not equal everywhere: it ranges from 10 to 2 annas according to low and high lands. Average price of common rice 12 seers per rupee. No cattle-disease reported. Supply of fodder and water ample.
		Nattore	..	1·02	
		Nowgong	...	1·90	
	22	Rungpore	„ 14, '91	Nil	Weather—bright and cool. *Aman* in ear and prospects unchanged. Mustard, potato and tobacco doing well. Price of rice 12 seers per rupee at Gaibanda, 10 seers at Nilphamari, 9½ seers at Kurigram, and 10½ seers at Sudder. Fodder plentiful.
		Gaibanda	...	0·46	
		Kurigram	...	Nil	
		Nilphamari	...	Nil	
	23	Bogra	„ 14, '91	3·55	Mornings cloudy; weather slightly warmer this week. Prospects of *aman* paddy improved by the recent rain. All *rabi* crops greatly benefited by it. Average price of common rice 14 seers per rupee. Ample supply of fodder.
		Sherpur	...	1·79	
		Nowkhilla	...	1·96	
	24	Pubna	„ 14, '91	0·12	Weather—seasonable. *Aman* paddy is being reaped in some places. *Rabi* crops doing well. Condition of cattle good; supply of fodder and water sufficient. Common rice selling at 13 seers per rupee.
	25	Darjeeling	„ 14, '91	Nil	Weather—fair. Sowing of *rabi* completed. *Aghani* rice and *bara marua* getting ripe. Prices of common rice:— Srs. Silliguri ... ... 11 Kurseong ... ... 10 Kalimpong ... ... 9 Pulbazar ... ... 11 Jore Bungalow ... ... 10 Nagri ... . 8 Sonadah ... ... 10 Darjeeling ... ... 9 } per rupee.
	26	Julpigoree	„ 14, '91	Nil	Weather—seasonable. Prospects of *haimanti* crop not good. Rain much wanted. *Rabi* crops doing well. Rice sells at 10 seers per rupee. Fodder and water-supply sufficient. No cattle-disease.
BEHAR.					
BHAGULPORE DIVN.	27	Monghyr	„ 14, '91	Nil	Weather—bright and pleasant. Outturn of winter rice crop expected to be two annas. Prospect of poppy not favourable for want of rain. Fodder sufficient. No cattle-disease. Price of common rice 11 to 15 seers per rupee.
		Beguserai	...	Nil	
		Jamui	..	Nil	
	28	Bhagulpore	„ 14, '91	Nil	Weather—days warm for the season, nights cool. Rain very badly wanted throughout the district. Prospects of *aghani* rice very unfavourable. *Tori* oil-seed not doing well at Madhepura. *Rabi* crops not very bad, though more rain wanted. Fodder plentiful.
	29	Purneah	„ 14, '91	Nil	Weather—mornings and evenings cool, but days hot. Prospects of winter rice continue unfavourable everywhere. *Rabi* sowings in progress in the Sudder sub-division, but a good crop is not expected. In Arrareah and Kishengunge *rabi* prospects continue good. Prices of coarse rice from 9 to 11 seers per rupee, with a tendency to rise. Tobacco doing well. Fodder and water plentiful. No cattle-disease.
		Kishengunge	...	Nil	
		Arrareah	...	Nil	
	30	Maldah	„ 14, '91	Nil	Weather—fine and cool. Winter rice on high lands in thana Gomastapur appears to have benefited slightly by the recent rainfall. Prospect of *kalai* continues favourable. *Rabi* sowings still going on in some parts. No want of fodder or water. Common rice sells at from 12 to 17 seers per rupee. Condition of cattle good.
		Chanchal	...	Nil	
		Shibgunge	...	Nil	
		Gajole	...	Nil	
	31	Sonthal Perghs.	„ 14, 91	Nil	Weather—cool at night, but still hot in day; cloudy for the last two days. Cutting of winter rice commenced. About half the rice on high lands dead, but on low lands it is good, especially in the Dumka subdivision, where the outturn is expected to be nearly the average. In Jamtara the outturn will be about 13 to 14 annas, and in Deoghur and Godda about 10 to 11 annas. Taking the district as a whole the yield will be from 10 to 14 annas. No signs of distress anywhere. Price of common rice at Dumka 16 seers per rupee. Fodder and water-supply sufficient.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BEHAR—(concld.)		
	Patna Division.		
32	Patna Nov. 14, '91 Barh ... Behar ... Dinapore ... Hilsa ...	Nil Nil Nil Nil Nil	Weather—hot, but cool at night. Rain urgently needed for *rabi*. Rice crop has suffered much for want of rain. Poppy sowings in progress. Prices generally stationary except in the Barh subdivision, where they are reported to be slightly rising.
33	Gya " 14, '91	Nil	Weather—fair and cold. Want of rain much felt for *rabi* sowings, which are progressing slowly. Prices of food-grains almost stationary. Supply of fodder and water for cattle yet sufficient.
34	Shahabad " 14, '91 Buxar ... Bhabuah ... Sasseram ...	Nil Nil Nil Nil	Weather—warmer than last week, with light westerly breezes. Paddy is being harvested with excellent results in the protected tracts. Elsewhere it has been cut for fodder, and the area sown with *rabi* crops. These crops are on the whole doing well, but damage from insects reported from Sasseram and Bhabuah. Prices rising in the west of the district. Supply of fodder sufficient.
35	Durbhunga " 14, '91	Nil	Weather—getting cool. Upland paddy all being cut for fodder. Rain urgently wanted for *rabi* crops. Seed sown has mostly germinated, but young plants will die if no rain falls in places when irrigation is not available. Prices rising. Water and fodder still plentiful for cattle.
36	Mozufferpore " 14, '91 Sitamarhi ... Hajipore ...	Nil Nil Nil	Weather—clear. Rain urgently wanted for rice and *rabi* crops and for poppy sowings. Prices of food-grains stationary. Sowings of wheat, mustard, linseed, poppy and castor in Sitamarhi subdivision going on. Condition of cattle good, and no scarcity of fodder and water reported.
37	Sarun " 14, '91	Nil	Weather—bright; cold at night. *Rabi* sowings going on, but require rain. Poppy sowings commenced, having been delayed a week by dry weather. Supply of fodder and water for cattle sufficient. Price of common rice 13 seers per rupee at Sudder, 14 seers at Gopalgunge, and 16 seers at Sewan.
38	Chumparun " 14, '91	Nil	Weather—seasonable. *Rabi* being sown. Prospects of standing crops fair except in thana Kessariah. Supply of water and fodder for cattle plentiful.
	ORISSA.		
	Orissa Division.		
39	Cuttack " 14, '91	Nil	Weather—cool and seasonable. The rain accompanying the cyclone of 4th and 5th instant put the crops generally out of danger. The high wind did much damage in the littoral tracts in the south-east of the district where the cyclone was most violent. Houses, trees and crops all suffered; many cattle and some human beings perished chiefly from falling in of houses. The estimated damage there to *laghu sarad* is 4 to 6 annas, and that to *guru sarad* about 4 annas, and to *rabi* crops about 8 annas. Common rice at head-quarters sells at 14 seers 7 chittacks per rupee, and in the south-east of the district the highest price is 15 seers 12 chittacks per rupee.
40	Pooree " 12, '91 Khurda ... Banpur ...	Nil 3·68 1·50	Weather—seasonable. *Laghu* ripening. *Sarad* coming into ear. Storm and rain of last week believed to have done good, though it has damaged the crops that were ripe or in blossom. Common rice sells at from 14 seers 7 chittacks to 24 seers per rupee.
41	Balasore " 14, '91	Nil	Weather—seasonable. Winter rice has been much benefited by the last rain. Prospects good. Rice sells at 19 seers per rupee at Balasore, and 20 seers at Bhadruck.
	CHOTA NAGPORE		
	South-West Frontier Agency.		
42	Hazaribagh Nov. 14, '91 Giridih ...	Nil Nil	Weather—seasonable. Harvesting of paddy continues. *Rabi* sowings going on. Poppy has been sown. Common rice selling at 15 seers per rupee. Water and fodder-supply sufficient.
43	Lohardugga " 14, '91 Palamow (up to 9th) ...	Nil Nil	Weather—a little cloudy. Rain badly wanted for *rabi* crops. Harvesting of winter rice commenced here and there. Price of common rice 16 seers per rupee. Ample fodder and water for cattle.
44	Singbhoom " 14, '91	Nil	Weather—seasonable. Prospects good. Paddy crops being reaped with satisfactory outturn.
45	Manbhoom " 14, '91 Govindpore ...	Nil Nil	Weather—dry and cool. High land paddy has suffered much from scanty rainfall. Other crops doing fairly well. Rice selling at from 12 to 18 seers per rupee.

Published for general information.

C. E. Buckland,
Offg. Secy. to the Govt. of Bengal.

Calcutta; Revenue Dept.,
The 17th November, 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPEE IN

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Chulum. (Sorghum Vulgare.) Present return.	Jowar or Chulum. Next preceding return.	Jowar or Chulum. Corresponding return of last year.
BENGAL																
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Burdwan Division.																
1	Burdwan*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Bankoora* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Beerbhoom* .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore ...	11 0	11 0	10 8	...	...	...	12 0	12 0	11 0	16 0	16 0	16 0	...	...	...
5	Hooghly* ...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...
6	Howrah ...	...	11 4	...	...	...	...	10 4	10 8	10 0	14 4	14 8	14 0	...	...	...
Presidency Division.																
	Calcutta ...	11 1	11 4	13 8	18 9	19 11	17 10	8 10	8 10	8 10	12 5	12 10	13 3	...	...	16 0
7	24-Pergunnahs*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	Nuddea ...	13 1	13 5	15 10	20 0	22 14	17 12	11 7	11 10	11 6	13 9	13 7½	15 3½	...	...	...
9	Khoolna ...	...	...	...	...	...	...	12 8	12 0	12 8	14 0	14 4	15 0	...	...	...
10	Jessore ...	11 8	11 8	13 0	...	...	...	11 12	11 12	11 0	14 8	14 8	13 0	...	...	...
11	Moorshedabad	13 5	13 4	16 0	...	...	...	11 8	11 8	10 0	15 0	15 0	16 0	...	...	...
Chittagong Division.																
12	Chittagong* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Noakholly* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Tipperah* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	Chittagong Hill Tracts.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dacca Division.																
16	Dacca* ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	Furreedpore* .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Backergunge*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Mymensingh ...	9 8	9 8	11 4	...	...	...	11 8	13 0	10 0	13 0	14 0	12 12	...	...	...
Rajshahye Division.																
20	Dinagepore ...	10 10	10 13	15 10	17 0	16 0	18 0	11 0	9 9½	15 0	12 0	11 0	18 0	...	...	...
21	Rajshahye ...	12 6	15 0	16 8	19 8	24 0	24 0	9 12	9 12	12 12	13 8	12 0	15 15	...	...	...
22	Rungpore	8 0	10 10	13 5	...	...	...	10 0	10 10	9 6	10 4	12 13	13 5	...	...	...

* Return not received.

A At Ghattal retail price of salt 11 seers per rupee.
B Retail price of salt at Uluberiah 10½ seers per rupee.
C In subdivisions retail prices of salt per rupee are:—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers and Ranaghat 10 seers.
D In subdivisions retail prices of salt per rupee are:—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.
E In subdivisions retail prices of salt per rupee are:—Jhenida 10 seer, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10 seers.

Head-quarters Station Bazars of the Districts of Bengal on the 15th November, 1891.

INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR, CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			WHOLESALE PRICES PER MAUND OF 40 SEERS. SALT.			DISTRICTS.	
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Burdwan.	Burdwan Division.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bankoora.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Beerbhoom.	
...	...	...	10 10	10 10	11 8	120 0	120 0	110 0	A 10 12	10 12	10 8	3 12 0	3 12 0	3 13 0	Midnapore.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hooghly.	
...	...	...	10 12	11 0	11 4	100 0	100 0	100 0	B 10 8	10 8	10 8	3 6 0	3 6 0	3 8 0	Howrah.	
16 14	18 8	16 0	14 11	14 15	14 2	95 0	93 5	90 0	11 0	11 2	10 10	3 5 9	3 5 2	3 7 6	Calcutta.	Presidency Division.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24-Pergunnahs.	
...	...	...	16 0	16 0	16 0	...	...	...	C 11 0	11 0	9 13	3 9 0	3 8 0	3 12 0	Nuddea.	
...	..	...	...	...	...	160 0	160 0	160 0	D 9 8	9 0	8 0	4 0 0	4 0 0	4 0 0	Khoolna.	
...	...	...	16 0	16 0	16 0	160 0	160 0	160 0	E 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.	
...	...	...	16 0	16 0	16 0	200 0	200 0	200 0	F 11 8	9 0	10 12	3 8 0	4 7 6	3 12 0	Moorshedabad.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.	Chittagong Division.
...	...	.	...	...	...	...	...	...	...	...	...	...	...	...	Noakholly.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Tipperah	
...	...	...	..	..	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	Dacca.	Dacca Division.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Furreedpore.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	.	Backergunge.	
...	...	...	10 0	9 8	13 0	...	...	...	G 10 0	10 0	9 8	3 14 0	3 14 0	4 0 0	Mymensingh.	
...	...	...	16 0	16 0	15 10	160 0	160 0	160 0	H 10 4	10 4	10 0	3 14 0	3 14 0	4 0 0	Dinagepore.	Rajshahye Division.
...	...	...	17 8	16 10	17 12	240 0	240 0	240 0	I 9 9	9 9	9 9	3 10 8	3 10 8	3 13 4	Rajshahye.	
...	...	...	13 5	13 5	10 10	100 0	100 0	100 0	J 9 4	10 0	9 6	4 6 0	4 0 0	4 4 0	Rungpore.	

F In subdivisions retail prices of salt per rupee are :— Lalbagh 11 seers, Kandi 11¼ seers and Jungipore 10 seers.
G In subdivisions retail prices of salt per rupee are :— Kishoregunge 8 seers, Tangail 10 seers, Netrokona 8 seers.
H At Thakurgaon retail price of salt 8 seers per rupee.
I In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
J In subdivisions retail prices of salt per rupee are :—Kurigram 8 seers, Gaibanda 9 seers 6 chittacks, and Nilphamari 10 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Division	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum. (*Sorghum Vulgare.*) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
BENGAL—*continued.*			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Rajshahye Division—*contd.*	23	Bogra ...	12 0	12 0	15 0	...	...	...	12 0	11 4	12 0	14 4	13 8	15 12	...	...	...
	24	Pubna*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	25	Darjeeling*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	26	Julpigoree	11 0	11 0	13 0	16 0	16 0	16 0	6 0	6 0	8 0	11 0	11 0	16 0	...	...	...
BEHAR.																	
Bhagulpore Division.	27	Monghyr ...	13 8	13 12	15 12	20 8	19 8	17 13	10 8	11 0	11 0	13 0	13 0	14 11	...	...	...
	28	Bhagulpore* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	29	Purneah* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	30	Maldah ...	12 0	13 0	17 0	...	...	...	10 0	10 0	11 0	11 8	12 8	15 8	...	...	...
	31	Sonthal Perghs.	11 0	12 0	14 0	...	...	...	13 0	13 8	13 0	15 0	15 0	20 0	...	...	...
Patna Division.	32	Patna* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	33	Gya ...	12 8	13 8	15 8	24 0	22 0	19 0	10 8	10 8	10 0	13 8	14 8	17 0	...	...	
	34	Shahabad* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.
	35	Durbhunga ...	13 0	15 6	14 0	22 0	19 12	17 9	11 0	11 0	12 0	13 0	14 4	16 8	...	...	...
	36	Mozufferpore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	37	Sarun* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	38	Chumparun* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ORISSA.																	
Orissa Division.	39	Cuttack* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	40	Pooree* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	41	Balasore* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE.																	
Chota Nagpore Division.	42	Hazaribagh* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	43	Lohardugga* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	44	Singbhoom* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	45	Maubhoom* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

JI In Alipore subdivision (at Fallacotta) retail price of salt 8½ seers per rupee.
K In subdivisions retail prices of salt per rupee are :—Beguserai 9½ seers and Jamui 10 seers.

CALCUTTA,
The 9th November, 1891.

Station Bazars of the Districts of Bengal on the 15th November, 1891—(concluded).

Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus Indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	**BENGAL—continued.** Rajshahye Division—contd.
...	...	...	...	..	...	90 0	90 0	90 0	9 9	9 12	9 0	3 14 8	4 0 0	4 0 0	Bogra.
...	...	...	...	...	...	...	...	...	...	...	K ..	..	...	...	Pubna.
...	...	..	...	...	...	..	.	..		...	...	...	...	...	Darjeeling.
...	...	...	8 0	8 0	12 0	200 0	20[illegible] 0	200 0	J 10 0	10 0	1[illegible] 0	4 0 0	1 0 0	4 0 0	Julpigoree.
															BEHAR. Bhaugulpore Division.
.	...	21 0	16 0	16 8	17 13	110 0	140 0	168	K 10 8	10 4	9 15	3 12 0	3 11 0	3 13 0	Monghyr.
...	...	.	...	.	..	.	...	...	..	...	...	...		...	Bhagulpore.
...	..	...			...	..			...	...	.	...	.	...	Purneah.
...	...		.			110 0	120	120 0	9 8	9 8	9 9	3 11 0	3 8 0	4 0 0	Maldah.
25 0	25 0	21 0	16 0	17 0	20 0	200 0	230 0	200 0	L 9 0	10 0	9 0	4 0 0	4 0 0	3 14 0	Sonthal Perghs.
															Patna Division.
...	...	.	..	..	...	.	...	...	.	.	...	...	..	...	Patna.
..	...	...	15 4	15 4	17 0	110	110	160 0	10 0	10 0	10 0	3 11 0	3 14 0	4 2 0	Gya.
...	...	...	.	...	.	...	...		...	..	...	.	...	...	Shahabad.
20 8	18 8	19 12	15 6	15 6	17 0	160 0	160 0	160 0	M 11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.
.	..	...	...	...	...	..	...	...	..	...	...		...	...	Mozufferpore.
.	.	..	...	..	...	...	.	...	...	...	...		...	...	Sarun.
...	...	...	...		..	...	...	...	.	..	...	...	...	...	Chumparun.
															ORISSA. Orissa Division.
..	...	...	...	...	..		...	...	...		...		...	...	Cuttack.
...	...	...	.	...	...	...		..	.	...	...	...	...	...	Pooree.
...	...	...	...	..	...	...	...		.	...	...	.	.	...	Balasore.
															CHOTA NAGPORE. Chota Nagpore Division.
...	...			...	...	...	.	...	...	.	...	.	..	...	Hazaribagh.
...	...	...	...	...	...	...	...		..	...	...	...	...	...	Lohardugga.
	...	...	...	...	...		...	...	...	...	...	...	...	...	Singbhoom.
...	...	...	...	...	...	...	...	...	...	...	...	..			Manbhoom.

L Retail price of salt at Deoghur and Jamtara 10 seers per rupee.
M In Madhubani and Somastipore subdivisions retail price of salt 11 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (*wholesale*) *of Food-grains, Firewood, and Salt*

Number.	MARTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 5 6	3 4 8	2 12 10	1 14 3	1 13 1	2 0 2	4 5 10	4 5 11	4 5 10	2 15 4	2 14 9	2 12 3
2	Serajgunge*	...	...	...	...	...	...	...	...	...	...	...	...
3	Dacca* ...	...	...	...	...	...	...	...	...	...	...	...	...
4	Naraingunge*	...	...	...	...	...	...	...	...	...	...	...	...
5	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna* ...	...	...	...	...	...	...	...	...	...	...	...	...
7	Balasore* ...	...	...	...	..	...	...	...	...	...	...	...	...
8	Pooree* ...	...	...	...	...	...	.	...	...	...	...	...	...
9	Cuttack* ...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

CALCUTTA,
The 17*th November*, 1891.

in the undermentioned Marts of Bengal on the 15*th November*, 1891

GRAM, CHANA, CHHOLA, KADALAY OR SUNAGA. (*Cicer Arietinum.*)			INDIAN-CORN OR MAIZE. (*Zea Mays.*)			ARHAR OR THUR CADJAN PEA. (*Cajanus indicus.*)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 2 10	2 4 0	2 2 5	2 1 11	1 14 11	2 3 10	2 7 7	2 6 9	2 8 11	0 5 9	0 5 10	0 5 9	3 5 9	3 5 2	3 7 6	Calcutta.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Serajgunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dacca.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Patna.
...	...	...	...	...		...	...	...	...	...	...	...	...	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Benga

Meteorological Division.	District.	Representative station.	Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Station observations. Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree ..						Complete observations not received.								
		Gopalpore ..	29·98[illegible]	29·941	+·027	NNW	185	84·7	10th Nov.	64·4	11 & 13 Nov.	83·8	67·6	75·7	−1·4	73·6
		False Point .	29·972	29·935	—·015	NWly	141	81·9	10th ,,	64·5	11th ,,	79·9	68·7	74·3	−1·0	70·8
	Cuttack	Cuttack ..	29·919	29·913	—·004	W	29	87·4	9th ,,	64·8	11 to 13 ,,	85·2	67·5	76·4	—0·7	73·2
	Balasore	Balasore	29·919	29·944	—·015	N	62	85·4	8 & 9 ,,	60·6	10th ,,	84·0	63·7	73·9	—0·4	70·2
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·934	29·933	—·015	NNW	182	82·7	9th ,,	65·9	9 & 10 ,,	81·4	66·8	74·2	—0·1	73·2
	Midnapore	Midnapore	29·840	29·940	—·027	N	212	88·3	9th ,,	61·2	10th ,,	85·9	64·2	75·1	+1·7	70·0
	24-Pergunnahs, Howrah, Hooghly	Calcutta ..	29·975	29·942	—·012	Nly	62	85·6	13th ,,	61·2	9th ,,	83·3	65·6	74·5	+0·2	72·5
	Burdwan	Burdwan	29·913	29·961	—·002	N & Calm.	37	88·6	13th ,,	62·9	11 & 12 ,,	86·0	64·6	75·3	+0·8	72·7
	Bankoora	Bankoora	29·675	29·[illegible]3	—·018	NWly	50	86·8	14th ,,	59·8	10th ,,	84·8	64·3	74·6	—0·1	70·3
	Beerbhoom, West Burdwan	Raneegunge	29·654	29·963	—·019	NW	65*	86·5	13 & 14 ,,	5[illegible]·6	10th ,,	85·4	63·3	74·4	+0·6	68·0
	Moorshedabad	Berhampore	29·936	29·955	—·013	Nly	33	85·6	13 & 14 ,,	63·7	9th ,,	83·6	66·3	75·0	+0·7	70·1
	Nuddea	Krishnaghur	29·946	29·945	—·006	NNW	68	88·3	13th ,,	60·7	9th ,,	85·1	65·1	75·1	+1·2	73·0
	Jessore, Khoolna	Jessore ...	29·957	29·937	—·011	Calm	51	87·2	13th ,,	61·0	9th ,,	84·1	66·1	75·2	—1·6	72·9
East Bengal.	Chittagong	Chittagong ...	29·805	29·931	—·004	NE	3[illegible]*	88·7	12th ,,	61·1	10th ,,	85·5	66·3	75·9	+0·4	75·0
	Chittagong Hill Tracts	Demagiri ..						Observations not received.								
	Backergunge	Barrisal .	29·965	29·922	+·005	Calm & NE	47	86·4	12th Nov.	63·1	9 & 10 ,,	83·5	67·3	75·4	+0·6	75·4
	Noakhally	Noakholly ...	29·943	29·934	+·011	NEly	64*	87·0	12th ,,	63·0	9th ,,	88·6	66·9	75·3	+0·[illegible]	74·1
	Furreedpore	Furreedpore ...	29·963	29·9[illegible]0	+·01[illegible]	NE	47	86·0	13th ,,	62·5	9 & 10 ,,	83·3	67·2	75·3	+1·9	73·2
	Dacca	Dacca ...	29·96[illegible]	29·93[illegible]	[illegible]03	NNE	81	88·6	13th ,,	64·3	10 & 11 ,,	84·8	66·4	75·[illegible]	—0·8	73·1
	Commillah . ..	Commillah .	29·955	29·[illegible]39	+·016	NE	69	87·1	12th ,,	64·4	9 & 10 ,,	84·5	67·2	75·9	+0·5	73·3
	Mymensingh .. .	Mymensingh	29·948	29·955	+·013	NEly	4[illegible]	85·2	13th ,,	61·1	10th ,,	82·5	[illegible]	[illegible]4·1	+0·2	70·5
North Bengal.	Bogra ..	Bogra	29·916	29·931	+·025	Calm	26	85·3	13th ,,	61·2	10th ,,	83·1	64·1	73·6	+0·7	70·7
	Pubna	Serajgunge	29·94[illegible]	29·941	—·009	NEly	97	86·1	12 & 13 ,,	5[illegible]·8	10th ,,	83·0	64·[illegible]	74·9	+1·9	70·5
	Rajshahye	Rampore Beauleah.	29·925	29·946	+·002	N	44	85·3	13th ,,	61·2	9th ,,	83·2	65·1	74·1	+2·7	71·8
	Maldah	Maldah ..	29·927	29,961	—	NW	75	87·8	14th ,,	58·7	9th ,,	8[illegible]·9	61·6	73·8	—	71·0
	Dinagepore	Dinagepore ..	29·884	29·958	—·002	NE	4[illegible]	87·1	13 & 14 ,,	59·3	9th ,,	85·5	61·4	73·5	+1·4	72·5
	Rungpore	Rungpore ...	29·894	29·974	+·017	Ely	44	85·8	13th ,,	61·7	13th ,,	84·1	62·8	73·5	+1·8	69·2
	Julpigoree, Cooch Behar	Julpigoree	29·722	29·969	+·[illegible]	N	69	84·4	13 & 14 ,,	61·1	10, 11 & 14 ,,	82·9	62·0	72·5	+0·6	69·7
	Darjeeling Hill Tracts ..	Darjeeling	[illegible]3·[illegible]	—	+·[illegible]45	Calm	7[illegible]	63·1	10th ,,	42·2	8 & 14 ,,	59·1	45·3	52·2	+3·8	52·0
	Purneah, North Bhagulpore	Purneah .	29·[illegible]	29·[illegible]	+·005	Calm	[illegible]	86·2	12 & 13 ,,	53·8	8th ,,	85·3	57·3	71·3	—0·8	66·1
North Behar.	Mozufferpore	Mozufferpore						Observations not received.								
	Durbhunga	Durbhunga	29·858	29·985	+·001	Calm	26	85·9	12 & 13 Nov.	59·5	8 to 10 ,,	84·9	61·2	73·1	+0·4	69·0
	Chumparun	Motihari ..	29·775	29·964	+·012	NWly	72	86·[illegible]	11 & 12 ,,	54·9	8 & 9 ,,	85·3	56·6	71·0	+1·5	67·0
	Sarun	Chupra .	29·831	29·972	+·024	Wly	53	87·[illegible]	12th ,,	57·6	9th ,,	80·2	60·[illegible]	73·5	+2·2	69·1
South Behar.	Shahabad	Dehree ..	29·672	29·988	+·00[illegible]	SW	?	86·8	8th ,,	57·0	9th ,,	85·3	60·0	72·8	+1·1	70·4
		Buxar ..	29·782	29·984	—·001	NWly	70	86·4	8, 9, 14 ,,	57·9	9th ,,	85·7	60·5	73·1	+1·0	70·5
		Arrah	29·824	29·973	+·012	WNW	53	87·4	8, 9, 12 ,,	59·4	9th ,,	87·0	62·7	74·9	+3·7	68·5
	Gya	Gya ..	29·635	29·976	—·005	S	131	86·9	8th ,,	59·7	9 & 10 ,,	85·3	61·4	73·4	+0·9	70·0
	Patna	Bankipore .	29·837	29·978	—·012	Variable	51	86·4	8th ,,	59·3	8th ,,	85·2	62·4	73·9	+1·4	71·1
	South Bhagulpore, Monghyr	Bhagulpore ...	29·840	29·967	—·002	Calm	8	86·7	9th ,,	56·5	9th ,,	85·5	60·6	73·1	+2·0	70·4
	Sonthal Pergunnahs ...	Doomka ...	29·507	29·969	+·008	NW	31	85·1	13th ,,	59·0	9th ,,	84·1	63·7	73·4	+2·1	71·3
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	27·973	29·968	—·008	Nly	138	81·2	8, 9, & 13 ,,	57·7	9 & 10 ,,	80·2	59·4	69·8	+1·2	68·3
	Lohardugga, Manbhoom	Ranchee ..	27·843	29·935	—·008	NW	104	81·0	9th ,,	54·9	10th ,,	78·8	58·6	68·7	+1·2	67·9
	Singbhoom	Chybassa ..	29·218	29·945	—·006	Calm	29	85·5	8th ,,	58·5	10th ,,	84·0	63·1	73·6	+0·6	70·2
Assam.	Sibsagar	Sibsagar ...	29·894	29·995	—·016	NE		84·6	8th ,,	59·8	10th ,,	81·2	62·5	71·8	+1·3	65·6
	Goalpara	Dhubri ...	29·809	29·973	+·004	NEly	156	85·2	13th ,,	63·4	9th ,,	81·6	64·1	72·9	—0·3	68·0
	Cachar	Silchar ...	29·891	29·949	0	Calm		90·5	12th ,,	61·4	9 & 10 ,,	86·6	63·4	75·0	—0·2	71·1

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last [illegible] The humidity of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

[f]or the week ending Saturday, the 14th of November 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
			Nil	0·22	8·05	0·80	+7·25	8·33	4·80	+3·53	0·00	0·33	Pooree ...	Pooree	Orissa.
81	0·1	0·02											Gopalpore ...		
90	1·1	Nil											False Point ...		
76	1·3	Nil	Nil	0·07	7·57	0·30	+7·27	7·69	2·92	+4·77	0·00	0·31	Cuttack ...	Cuttack	
84	0·7	Nil	Nil	0·06	3·92	0·41	+3·51	3·97	2·16	+1·81	0·00	0·28	Balasore ...	Balasore	
86	3·1	Nil	Nil	0·01	2·49	0·19	+2·30	2·54	3 72	—1·18	0·00	0·25	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
78	1·9	Nil	Nil	Nil	0·26	0·06	+0·20	0·28	1 52	—1·24	0·00	0·15	Midnapore ...	Midnapore	
79	3·0	Nil	0·04	0·01	0·41	0·13	+0·28	0·46	1·40	—0·94	0·10	0·32	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
71	2·9	Nil	Nil	Nil	0·48	0·10	+0·38	0·49	1 41	—0·92	0·00	0 22	Burdwan ...	Burdwan	
75	1·4	Nil	Nil	0·14	0·51	0·21	+0·30	0·56	1·29	—0·73	0·00	0·25	Bankoora ...	Bankoora	
74	0·6	Nil	Nil	Nil	1·14	0·10	+1·04	1·35	0·89	+0·46	0 00	0·25	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
80	3·1	Nil	Nil	Nil	1·23	0 17	+1·06	1·34	0·79	+0·55	0·00	0 23	Berhampore ...	Moorshedabad ...	
77	1·6	Nil	0·12	Nil	0·66	0·23	+0·43	0·73	1 43	—0·70	0·20	0·23	Krishnagur ...	Nuddea	
84	1·3	0·54	0·30	0·01	1·78	0·13	+1·65	1·84	1·73	+0·11	0·63	0 26	Jessore ...	Jessore ... ... Khoolna	
86	3·0	0·13		0·10		0·55			3·09			0·25	Chittagong ...	Chittagong	East Bengal.
			1·18	Nil	1·87	0·77	+1·10	3·04	3 24	—0·20	2·00	0·15	Domagiri ...	Chittagong Hill Tracts	
83	0·9	Nil	Nil	0·03	0·97	0·29	+0·68	1·09	2·69	—1·60	0·00	0·14	Barrisal ...	Backergunge	
86	0	Nil		0·01		0·69			3·32			0·22	Noakhally ...	Noakhally	
84	0·7	0·05	0·65	0·01	1·89	0·14	+1·75	1·99	1·38	+0·60	0·00	0·25	Furreedpore ..	Furreedpore	
86	3·7	0·60	0·50	0·17	2·36	0·27	+2·00	2·38	1·86	+0·52	1·00	0·35	Dacca ...	Dacca	
86	1·9	0·63		0·03		0 20			1·83			0·31	Commillah ...	Commillah	
90	1·6	0·02	Nil	0·07	1·32	0·19	+1·33	1·78	1·63	+0·15	0·00	0·24	Mymensingh ...	Mymensingh	
88	0·7	Nil	Nil	Nil	2·00	0 25	+1·81	2·34	1·06	+1·28	0·00	0·20	Bogra ...	Bogra	North Bengal.
91	2·7	Nil	0·06	Nil	1·03	0·18	+0·85	1·05	1·55	—0·50	0·50	0·23	Serajgunge ...	Pubna	
84	1·0	Nil	Nil	0·05	1·22	0 17	+1·05	1·22	0·91	+0·31	0·03	0·12	Rampore Beauleah	Rajshahye	
83	0·4	Nil	Nil	Nil	0·14	0·18	—0·04	0·16	1·06	—0·90	0·00	0·00	Maldah ...	Maldah	
78	0·6	Nil	Nil	0·04	0·19	0·08	+0·11	0·19	0·54	—0·35	0·00	0·12	Dinagepore ...	Dinagepore	
89	0·1	Nil	Nil	Nil	0·15	0·08	+0·07	0·17	0 95	—0 78	0·00	0·09	Rungpore ...	Rungpore	
81	0	Nil	Nil	0·02	Nil	0 04	—0·04	Nil	1·14	—1·14	0·00	0 14	Julpigoree ...	Julpigoree ... ... Cooch Behar	
62	2·2	Nil	Nil	0·19	Nil	0·21	—0·21	0·60	1·92	—1·32	0·00	0 42	Darjeeling ...	Darjeeling Hill Tracts	
86	0	Nil	Nil	Nil	Nil	0 03	—0·03	Nil	0·96	—0·96	0·00	0·01	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
			Nil	Nil	Nil	0·04	—0·04	0·06	0·78	—0·72	0·00	0 00	Mozufferpore ..	Mozufferpore	
79	0	Nil	Nil	Nil	Nil	0·02	—0·02	Nil	0 67	—0·67	0·00	0·00	Durbhunga ...	Durbhunga	
84	0	Nil	Nil	Nil	Nil	Nil	0	Nil	0·27	—0·27	0·00	0·03	Motihari	Chumparun	
80	0	Nil	Nil	0·01	Nil	0·04	—0·04	0 05	0·60	—0·55	0·00	0·08	Chupra ...	Sarun	
65	0·1	Nil											Dehree ...		South Behar.
64	1·0	Nil	Nil	0·01	Nil	0·11	—0·11	0·04	0·96	—0·92	0·00	0·07	Buxar ...	Shahabad	
69	0	Nil											Arrah ...		
68	0·9	Nil	Nil	Nil	Nil	0·14	—0·14	0·20	0 67	—0·47	0·00	0·04	Gya ...	Gya	
70	0	Nil	Nil	Nil	Nil	0·09	—0·09	0·13	1·01	—0·88	0·00	0·01	Bankipore ...	Patna	
77	0·3	Nil	Nil	Nil	Nil	0·12	—0·12	0·07	1·07	—1·00	0·00	0·02	Bhagulpore ...	South Bhagulpore ... Monghyr	
78	1·1	Nil	Nil	Nil	0·46	0·12	+0·34	0·40	1·03	—0·54	0·00	0·17	Doomka ...	Sonthal Pergunnahs ..	
60	1·0	Nil	Nil	0·06	0·15	0·18	—0·03	0·15	0·76	—0·61	0·00	0·15	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
70	1·9	Nil	Nil Nil	0·02 Nil	0·12 0·22	0·08 0·10	+0·04 +0·12	0·18 0·46	0·97 0·97	—0·79 —0·51	0·00 0·00	0·07 0·18	Ranchi ...	Lohardugga ... ... Manbhoom	
77	0·3	Nil	Nil	Nil	0·48	0·18	+0·30	0·54	1·38	—0·84	0·00	0·10	Chyebassa ...	Singbhoom	
90	8·6	0·62											Sibsagar	Assam	Assam.
88	2·9	Nil											Dhubri		
88	3·7	Nil											Silchar		

... ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
... denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean ... ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the sub-divisional ...

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 14th of November 1891.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 8th Nov.	Monday, 9th Nov.	Tuesday, 10th Nov.	Wednesday, 11th Nov.	Thursday, 12th Nov.	Friday, 13th Nov.	Saturday, 14th Nov.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA ...	Pooree ...	Pooree ...	...	...	...	...	...	...	...	Nil	Nil	0·06	15·91	0·59	15·91	5·76
		Khurdah ...	...	...	...	...	...	...	...	Nil	Nil	0·09	3·74	0·52	3·74	3·61
		Banpur ...	...	...	...	...	...	...	...	Nil	Nil	0·50	1·50	0·97	1·77	4·00
		False Point ...	...	...	...	...	...	...	...	Nil	Nil	0·23	11·06	1·09	12·21	5·81
		Gop ...	...	...	...	...	...	...	...	Nil	Nil	?		?		?
		Satpara ...	...	...	...	...	...	...	...	Nil	Nil	?	3·05	?	4·10	?
		Pipli .	...	...	...	...	...	...	...	Nil	Nil	?	6·94	?	6·98	?
	Cuttack	Jagatsingpore	...	...	...	...	...	...	...	Nil	Nil	Nil	12·47	0·25	12·47	3·16
		Banki ...	...	...	...	...	...	...	...	Nil	Nil	0·33	1·17	0·54	1·17	1·66
		Cuttack ...	...	...	...	...	...	...	...	Nil	Nil	Nil	4·87	0·38	4·87	3·36
		Kendrapara ...	...	...	...	...	...	...	...	Nil	Nil	Nil	16·12	0·19	16·72	3·35
		Jajpore ...	...	...	...	...	...	...	...	Nil	Nil	0·01	3·24	0·12	3·24	2·30
		Dharmsala ...	...	...	...	...	...	...	...	Nil	Nil	?	5·30	?	5·36	?
		Salipore ..	...	...	...	...		...	...	Nil	Nil	?		?		?
	Balasore ..	*Akhoyapada* .	...	...	...	...	...	...	...	Nil	Nil	?	4·74	?	4·74	?
		Chandbali ...	...	...	...	...	...	...	...	Nil	Nil	0·03	10·38	0·80	10·90	3·01
		Bhuddruck ...	...	...	...	...	...	...	...	Nil	Nil	0·02	5·53	0·58	5·85	2·44
		Sorah ...	...	...	...	...	...	...	...	Nil	Nil	0·07	3·93	0·45	3·93	2·38
		Balasore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	2·47	0·22	2·47	2·90
		Jellasore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·82	0·10	0·82	0·96
		Baripodah ...	...	...	...	...	...	...	...	Nil	Nil	0·24	0·35	0·29	0·36	1·32
SOUTH-WEST BENGAL.	Midnapore .	Contai ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·49	0·14	2·49	4·40
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	0·01	4·29	0·22	4·44	4·60
		Tumlook ..	...	...	...	...	...	...	...	Nil	Nil	0·01	0·35	0·10	0·35	2·12
		Midnapore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·18	0·08	0·18	1·91
		Ghattal ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·26	0·02	0·33	0·54
		Kukrahaty ..	...	...	...	...	...	...	...	Nil	Nil	?	0·31	?	0·31	?
		Garbetta ...	...	...	...	...	...	...	...	Nil	Nil	?	0·19	?	0·19	?
	24-Pergunnahs	Diamond Harbour ...	...	...	...	...	...	...	...	Nil	Nil	0·01	0·70	0·21	0·78	2·14
		Canning Town	...	...	...	...	...	...	0·24	1	0·24	?	2·34	?	2·34	?
		Alipore Jail ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·43	0·13	0·43	1·82
		Barrackpore...	...	...	...	...	...	...	...	Nil	Nil	0·01	0·18	0·31	0·28	1·35
		Dum-Dum ..	...	...	...	...	...	...	...	Nil	Nil	0·02	0·40	0·08	0·40	1·53
		Baraset ...	...	...	...	...	...	...	...	Nil	Nil	0·02	0·21	0·18	0·36	1·50
		Buseerhat ...	...	...	...	...	...	...	0·36	1	0·36	0·04	1·28	0·14	1·28	1·46
	Howrah ..	Howrah .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·29	0·18	0·20	1·65
		Mohesrcka ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·41	0·13	0·41	0·84
		Oolobereah ...	...	...	...	...	...	...	...	Nil	Nil	?	0·36	?	0·36	?
	Hooghly ...	Serampore ...	...	...	...	...	...	...	0·01	Nil	0·01	0·01	0·25	0·08	0·49	1·26
		Hooghly ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·33	0·11	0·33	1·43
		Jehanabad ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·30	0·03	0·30	1·27
	Burdwan ...	Culna ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	0·07	0·28	1·36
		Burdwan ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·25	0·05	0·28	1·46
		Cutwa ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·00	0·18	0·00	1·41
		Raneegunge ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	0·08	0·56	0·96
		Mankur ...	...	...	...	...	...	...	...	Nil	Nil	?	0·70	?	0·55	?
	Bankoora ...	Bankoora ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·69	0·13	0·69	1·32
		Bishenpore ...	...	...	...	...	...	...	...	Nil	Nil	0·21	0·37	0·21	0·37	1·25
		Maliara ...	...	...	...	...	...	...	...	Nil	Nil	0·07	0·47	0·09	0·65	1·06
		Khatra ...	...	...	...	...	...	...	...	Nil	Nil	0·29	0·50	0·42	0·50	1·49
		Indas ...	...	...	...	...	...	...	...	Nil	Nil	?	0·46	?	0·46	?
		Kotalpore ...	...	...	...	...	...	...	...	Nil	Nil	?	0·30	?	0·30	?
		Anda ...	...	...	...	...	...	...	...	Nil	Nil	?	0·41	?	0·41	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	?	0·20	?	0·20	?
		Rajpore ...	...	...	...	...	...	...	...	Nil	Nil	?	0·82	?	0·82	?
		Sonamukhi ...	...	...	...	...	...	...	...	Nil	Nil	?	0·51	?	0·51	?
	Beerbhoom	Bh. Soory ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·43	0·10	1·45	1·23
		Hetampore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·14	0·09	1·52	0·55
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	Nil	1·74	0·13	1·88	0·80
		Bolpore ...	...	...	...	...	...	...	...	Nil	Nil	?	1·75	?	2·10	?
		Murari ...	...	...	...	...	...	...	...	Nil	Nil	?	0·56	?	0·56	?
	Nuddea ..	Ranaghat .	...	...	...	...	...	...	...	Nil	Nil	Nil	0·54	0·28	0·56	1·47
		Kishnaghur ..	...	...	...	...	...	...	...	Nil	Nil	Nil	1·30	0·21	1·30	1·13
		Chooadanga ..	...	...	...	...	...	0·07	...	Nil	0·07	Nil	0·16	0·36	0·47	1·81
		Meherpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·30	0·09	0·30	1·28
		Kooshtea ..	...	...	...	...	...	0·54	...	1	0·54	0·01	1·00	0·20	1·00	1·44
	Khoolna ..	Satkhira ..	...	...	...	...	...	...	0·30	1	0·30	0·03	3·13	0·26	3·13	1·78
		Bagirhat ..	...	...	...	...	...	0·16	...	1	0·16	0·02	2·44	0·11	2·78	1·74
		Khoolna ...	...	...	...	...	...	1·22	...	1	1·22	0·03	3·59	0·29	3·89	1·91
		Nakipur ...	...	...	...	...	...		...	Nil	Nil	?		?		?
		Rampal	...	...	...	...	...	...	...	Nil	Nil	?	1·80	?	1·80	?
	Jessore ...	Narail ..	...	...	...	...	...	...	0·02	Nil	0·02	0·01	2·13	0·07	2·13	2·06
		Jessore ...	...	...	...	...	...	0·12	0·42	2	0·54	Nil	1·33	0·07	1·39	1·90
		Jhenidah ..	...	...	...	...	...	0·03	...	Nil	0·03	Nil	0·30	0·15	0·34	1·68
		Magoorah ...	...	...	...	...	...	0·06	...	Nil	0·06	0·01	0·52	0·11	0·52	1·24
		Bongong ..	...	...	...	...	...	...	0·09	Nil	0·09	Nil	0·53	0·03	0·56	1·59
	Moorshedabad	Kandi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·20	0·32	1·20	1·01
		Berhampore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·06	0·19	1·06	0·84
		Lalbagh ...	...	...	...	...	...		...	Nil	Nil	Nil	0·76	0·18	0·76	0·86
		Azimgunge ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·30	0·15	1·86	0·80
		Jungipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·43	0·08	1·43	0·06
		Lalgola ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·60	0·12	1·60	0·60
		Azimgunj ...	...	...	...	...	...	...	...	Nil	Nil	?	0·71	?	1·63	?
		Patkabari ...	...	...	...	...	...	...	...	Nil	Nil	?		?	1·10	?
EAST BENGAL	Chittagong	Cox's Bazar ...	...	...	...	...	0·03	...	0·00	Nil	0·12	0·11	1·11	0·61	3·89	4·79
		Chittagong ...	...	...	...	...	0·13	0·06				0·09		0·48		2·55
		Kutubdia ...										?		?		?
		Satkunya ...	...	...	...	...	0·66					?		?		?
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	0·90	...	0·38	2	1·18	Nil	1·87	0·77	3·04	3·24
		Bundarbun ...	0·50	...	...	...	...	1·04	0·21	3	1·75	?	2·26	?	3·14	?
	Backergunge	Patuakhally...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·72	0·21	0·93	2·99
		Perozepore ...	...	...	...	...	...	...	...	Nil	Nil	0·02	1·31	0·24	1·51	2·39
		Burrisal ...	...	...	...	...	...	...	...	Nil	Nil	0·01	1·29	0·28	1·40	2·70
		Bhola ...	...	...	...	...	...	...	...	Nil	Nil	0·09	0·38	0·42	0·53	2·46

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 14th of November 1891—contd.

Meteorological division.	District.	Station.	Sunday, 8th Nov.	Monday, 9th Nov.	Tuesday, 10th Nov.	Wednesday, 11th Nov.	Thursday, 12th Nov.	Friday, 13th Nov.	Saturday, 14th Nov.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
			RAINFALL.							TOTAL—						
[E]AST BENGAL—concld.		*Gournaddi* ...	...	...	...	...	...	0·34	0·06	1	0·40	?	3·35	?	4·01	?
		Bauphal ...	...	...	...	...	...	0·13				?		?		?
	Noakholly ...	Noakholly ...	...	...	...	...	0·01					0·01		0·32		3·12
		Fenny ...	...	...	...	...	...	...	0·80	1	0·80	Nil	1·44	1·05	2·09	3·52
		Harishpore ...										?		?		?
		Ramganj ...	...	...	...	...	...	...	...	Nil	Nil	?	1·28	?	1·39	?
	Furreedpore	Madaripore ...	...	...	...	...	...	...	...	Nil	Nil	0·61	4·11	0·05	4·24	1·28
		Furreedpore ...	...	...	...	...	...	0·09	...	Nil	0·09	0·01	1·07	0·19	1·07	1·34
		Goalundo ...	...	...	...	...	...	0·07	...	Nil	0·07	Nil	0·19	0·17	0·52	1·51
	Dacca ...	Munshigunge	...	...	...	...	...	0·63	...	1	0·63	Nil	3·70	0·10	3·78	1·90
		Dacca ...	...	...	...	...	...	0·60	...	1	0·60	Nil	1·59	0·11	1·59	1·30
		Naraingunge	...	...	...	...	...	0·46	...	1	0·46	0·66	3·44	0·16	3·34	2·78
		Manickgunge	...	...	...	...	0·01	0·32	...	1	0·34	Nil	0·82	0·17	0·82	1·35
		Joydebpore ...	...	...	...	...	...	0·06	0·30	1	0·36	?	1·65	?	1·95	?
	Hill Tipperah	Agartola ...	...	...	...	...	...	0·25				0·10		0·33		2·04
	Tipperah ...	Comilla ...	...	...	...	...	...	0·02	0·60	1	0·02	0·02	4·54	0·22	6·43	1·65
		Chandpore ...										Nil		0·26		1·31
		Brahmunberia	...	...	...	...	...	...	0·25	1	0·25	Nil	2·05	0·19	4·35	1·70
		Ramchandrapore ...	...	...	...	...		0·53	...	1	0·53	?	2·78	?	3·26	?
		Nasirnagar ...	...	...	...	...			...	Nil	Nil	?	1·25	?	1·25	?
		Daudkandi ...	...	...	...	...	...	...	...	Nil	Nil	?	3·17	?	3·17	?
		Kasba ...	...	...	...	...	...	...		Nil	Nil	?	5·07	?	6·44	?
		Laksham ...	...	...	...	...	...	...		Nil	Nil	?	1·29	?	2·05	?
	Mymensingh ...	Kishoregunge	...	...	...	...	...	...	...	Nil	Nil	0·02	1·67	0·21	1·67	1·38
		Atia (*Tangail*)	...	...	...	...	...	...	...	Nil	Nil	0·01	0·63	[illegible]	0·63	1·45
		Mymensingh	...	...	...	...	...	0·02	...	Nil	0·02	Nil	1·84	0·16	2·03	1·67
		Jamalpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·30	0·18	3·00	1·34
		Netrokona ...	...	...	...	...	...	...	...	Nil	Nil	0·33	1·58	0·23	1·58	2·29
		Subornukhali	...	...	...	...	...	...	...	Nil	Nil	?	1·10	?	1·10	?
		Durgapore ...	...	...	...	...	...	...	...	Nil	Nil	?		?		?
		Sherepore Town	...		...		...	...		Nil	Nil	?	2·08	?	2·08	?
		Dewanganj ...	...	...	...	...	...	...	...	Nil	Nil	?	1·84	?	1·84	?
NORTH BENGAL.	Pubna ...	Pubna ...	...	...	...	...	...	0·12	...	1	0·12	Nil	0·99	0·12	0·99	1·48
		Serajgunge ...	...	...	...	...			...	Nil	Nil	Nil	1·06	0·23	1·00	1·60
	Bogra ...	Sherepore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·79	0·41	2·64	1·35
		Nowkhilla ...	...	...	...	...	...	...	...	Nil	Nil	Nil	2·67	0·41	2·67	1·26
		Bogra ...	...	...	...	...	...	...	...	Nil	Nil	Nil	3·60	0·17	3·60	1·23
		Panchbibi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·35	0·01	0·45	0·43
	Rajshahye ...	Beauleah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·31	0·14	0·31	0·98
		Nattore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·44	0·21	1·44	1·14
		Naogaon ...	...	...	...	...	...	...	...	Nil	Nil	0·14	1·90	0·14	1·90	0·59
		Lalpore ...	...	...	...	...	...	...	...	Nil	Nil	?		?		?
		Manda ...	...	...	...	...	...	...	...	Nil	Nil	?	1·00	?	1·00	?
	Maldah ...	Maldah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·28	0·16	0·28	1·36
		Chanchal ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·02	0·19	0·02	0·74
		Gajol ...	...	...	...	...	...	...	...	Nil	Nil	?	0·15	?	0·15	?
		Sibganj ...	...	...	...	...	...	...	...	Nil	Nil	?	0·93	?	0·93	?
	Dinagepore ...	Mohadebpore	...	...	...	...	...	...		Nil	Nil	Nil	0·70	0·08	0·70	0·29
		Churamon ...	...	...	...	...	...	...	...	Nil	Nil	0·12	0·08	0·12	0·08	0·31
		Raigunge ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·16	Nil	0·16
		Dinagepore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·06	Nil	1·79
		Baloorghat	...	...		...	...	...		Nil	Nil	0·09	0·17	0·09	0·17	0·27
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Rungpore ...	Bhowanigunj (*Gyabanda*)	...	...	...	...	...	...	...	Nil	Nil	Nil	0·16	0·16	0·54	1·07
		Rungpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·09	[illegible]	0·19	1·50
		Kurigram ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·05	[illegible]	0·06	0·74
		Bagdogra (*Nilphamari*)	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·02	Nil	0·48
		Ulipore ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·18	?
	Julpigoree ...	Julpigoree ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·06	Nil	2·14
		Alipore Dooar	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta ...	...	...		...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Debiganj ...	...	...	...	...	...	...		Nil	Nil	?	Nil	?	Nil	?
		Bhagalpore (Nagrakatta)	0·06	...	...	...	...	...	...	Nil	0·06	?	0·06	?	1·41	?
	Cooch Behar	Dinhatta ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	Nil	
		Cooch Behar ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	[illegible]	Nil	0·86
		Mekligunge ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·01	Nil	1·09
		Mathabhanga ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	[illegible]	Nil	0·81
	Darjeeling Hill	Buxa ...	...	...	...	...	...	...	...	Nil	Nil	0·18	Nil	0·21	1·85	0·75
		Siliguri ...	...	...	...	...	...	...	...	Nil	Nil	[illegible]	Nil	[illegible]	Nil	3·13
		Darjeeling ...	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·08	0·06	0·08
		Kalimpong ...	...	...	...	...	...	...	...	Nil	Nil	0·20	Nil	[illegible]	1·17	3·34
		Kurseong ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	0·52
[NORT]H BEHAR	Purneah ...	Kissengunge ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·02	Nil	?
		Arrareah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·03	Nil	0·04
		Purneah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·06	Nil	0·81
		Gondwara ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		1·45
		Balarampore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Mattari ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Kaliaganj ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddapore ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Soopool ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·03	Nil	0·83
		Protabganj ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·74
	Durbhunga ...	Tajpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·04	Nil	0·08
		Doronuga ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·01	Nil	0·08
		Madhubani ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·06
		Bahera ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Rosnera ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamurhi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·48
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·05	Nil	1·25
		Hajipore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·03	0·17	0·01
		Paru ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Manua ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sumar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 14th of November 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 8th Nov.	Monday, 9th Nov.	Tuesday, 10th Nov.	Wednesday, 11th Nov.	Thursday, 12th Nov.	Friday, 13th Nov.	Saturday, 14th Nov.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·31
		Bettiah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·22
		Bagaha ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sarun ...	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·06	0·07	0·12
		Sewan .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·04	0·09	0·97
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·03	Nil	0·72
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·06	0·18	1·00
		Dehree .	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·04	Nil	0·73
		Bhaboosh ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·33	Nil	1·25
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·04	Nil	1·07
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·05	Nil	0·73
		Mohaniah .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·12	Nil	0·41
		Gya ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·21	0·73	0·91
		Nowadah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·08	0·07	0·70
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·14	Nil	0·64
		Arwal	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Daudnagar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sherghatti .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·26	?
		Rajauli	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·03	?
	Patna .	Patna ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·05	0·21	0·97
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·05	0·10	0·97
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·13	0·06	1·07
		Barrh ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·14	0·13	1·06
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hilsa .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
	Monghyr ...	Begooserai ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·21	0·05	1·28
		Monghyr	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·07	Nil	1·19
		Jamui .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·03	0·10	0·73
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sheikpura ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore	Bhagulpore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	0·01	0·21	0·01	0·91
		Banka	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·07	0·18	1·22
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bongaon ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·14	0·11	0·14	0·97
		Godda ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·05	0·08	0·75
		Pakour	......	......	......	......	......	......	......	Nil	Nil	Nil	1·82	0·05	1·85	0·87
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	Nil	0·36	0·16	0·38	0·98
		Deoghur	......	......	......	......	......	......	......	Nil	Nil	Nil	0·12	0·09	0·18	1·60
		Jamtara ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·30	0·28	0·30	1·07
		Mohagama ..										?		?		?
		Nanshat ...	......	......	......	......	......	......	......	Nil	Nil	?	0·61	?	1·76	?
CHUTIA NAGPUR.	Hazaribagh .	Pachamba (*Giridi*). ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·15	Nil	0·94
		Hazaribagh	......	......	......	......	......	......	......	Nil	Nil	Nil	0·15	0·16	0·15	0·91
		Semtagurah	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·17	Nil	0·5[illegible]
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	Nil		0·16		0·5[illegible]
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	0·23	Nil	0·24	0·50	0·6[illegible]
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	?	0·07	?	0·07	?
		Chatra ...	......	......	......	......	......	......	......	Nil	Nil	?	0·05	?	0·05	?
		Karagdaha ...	......	......	......	......	......	......	......	Nil	Nil	?	0·17	?	0·17	?
		Ramghar ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	?
	Lohardugga ..	Lohardugga...	......	......	......	......	......	......	......	Nil	Nil	0·05	0·04	0·07	0·22	0·[illegible]
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·26	0·06	0·26	1·0[illegible]
		Palamow .	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	0·11	0·06	1·[illegible]
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Balumat ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hosseinabad	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Garwah ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Singhbhoom	Chyebassa ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·48	0·18	0·54	1[illegible]
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	?		?		?
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	?	0·88	?	0·88	?
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	?	0·30	?	0·69	?
	Manbhoom .	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·48	0·08	0·65	0[illegible]
		Gobindpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·12	0·25	1[illegible]
		Rughunathpore.	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Barrabhoom	......	......	......	......	......	......	......	Nil	Nil	?	0·70	?	0·70	?
		Jhalda ...	......	......	......	......	......	......	......	Nil	Nil	?	0·23	?	0·23	?
		Chas ...	......	......	......	......	......	......	......	Nil	Nil	?	0·19	?	0·19	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any o[f] the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy da[y] is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the* 17*th November* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING 8 A.M., SATURDAY, THE 14TH OF NOVEMBER 1891.

AT the latter end of the previous week a fierce cyclone passed through Orissa, and then recurving in a north-easterly direction, passed through South and East Bengal into Sylhet and Upper Burma. On the last day of that week, however, the storm was advancing from Sylhet towards Upper Burma, and by the morning of the 8th it had practically entirely ceased to exist, though there were feeble indications of a low pressure area still existing in Upper Burma and Assam. Considering the fierceness of the storm, the amount of rainfall brought up by it was less than usual. except in Orissa, where it was exceedingly heavy, and in its passage through Bengal generally only light to moderate rain was received. Another rather remarkable feature in connection with the storm was the rapidity with which the disturbed weather which accompanied it disappeared and was replaced by fine settled weather of the ordinary cold season type. So rapid, indeed, had been this change, that by the morning of the 8th. or the first day of the present week, fine weather with almost cloudless skies was reported from all districts except Assam, and only at one or two stations, such as Sibsagar, Bhogotpore and Gopalpore, was any rain received. The meteorological changes during the next two or three days were not important ; on the 9th pressure rose in the northern and western districts and fell at the south-eastern stations, and the pressure distribution became that which is usual in the cold-weather months; temperature commenced to fall, while humidity also decreased, and the air became dry: the sky was practically cloudless, and no rain was reported On the 10th pressure decreased slowly, while the temperature and humidity changes were variable, weather continued fine, and rainfall was entirely absent On the 11th the changes were very small and quite unimportant, but on the 12th certain changes had occurred in the Bay, which immediately made themselves felt in the weather conditions of Bengal On the 12th there were clear indications that another barometric depression had formed in the Bay to the south-west of Diamond Island or to the west of the Andamans, and so far as could be ascertained from the observations made at the coast stations, it was giving squally unsettled weather over the centre and south of the Bay. Indeed all the conditions pointed to the possibility of formation of another cyclonic storm Immediately with the occurrence of the disturbance in the Bay, the sky commenced to cloud over in all districts of the province except Behar and part of North Bengal. A few light showers were also reported in East Bengal, principally from the Chittagong district, but the only falls of importance were 0·90 inch at Rangamati and 0·66 inch at Satkanya. Over Bengal generally temperature rose rather rapidly and humidity also increased largely, while the barometer fell steadily, but not by more than about 0·03 inch to 0·04 inch. On the 13th the depression to the west of the Andamans appeared to have slowly increased in intensity, but its position was unchanged, and on this day it was certainly influencing the weather in Bengal very largely. The sky became heavily clouded in all districts except Behar, Chutia Nagpur and Orissa, the air became very damp, and numerous showers were reported in parts of East and South-West Bengal, particularly in the Furreedpur, Dacca, Tipperah, Jessore, Khoolna and Nuddea districts Temperature also again increased and became above the normal by amounts which were usually between 3° and 5°, while pressure again fell moderately over the whole Province. From the 13th to the 14th the depression appears to have decreased in intensity rather rapidly, and it must have broken up to a considerable extent. It also probably moved slowly in a westerly direction, and perhaps existed in the centre of the Bay, too far from the coast observatories to give any very definite indication of its existence The weather conditions in Bengal at once began to improve slightly on this day, and except for a few local showers, rainfall almost ceased. The sky, however, still remained moderately to heavily clouded, while temperature and humidity were decidedly high, but pressure had only fallen extremely slowly. Conditions therefore in Bengal remained rather disturbed up till quite the close of the week, though they were less disturbed on the 14th than they had been on the 12th and 13th, and there were also indications that the disturbed conditions were passing away rather rapidly.

Pressure.—The mean pressure for the week has been below the normal by small amounts generally averaging one or two hundredths of an inch in the southern and south-western districts, but at many of the northern and eastern stations an almost corresponding excess has been registered. For the whole province, therefore, the mean pressure for the week has been almost normal. In Assam also the mean pressure for the week has been only 0·003" in defect of the normal.

Temperature.—Owing to the influence of the disturbed weather in the Bay, the temperature of Bengal for the second half of the week was unusually high. The mean temperature has therefore been in excess of the normal in all districts except Orissa, the excess equalling between 1° and 2° in North Bengal, South Behar and Chutia Nagpur, while in South-West and East Bengal and in North Behar it has been rather less than 1°. In Orissa, on the other hand, there has been a defect of 0·9°. For the whole Province the mean temperature for the week has been about 0·8° in excess of the normal. In Assam the excess has only equalled 0·3°.

Rainfall.—The only districts that have received rainfall of any importance during the week have been Chittagong Hill Tracts, Chittagong, Dacca, Noakhally, Jessore, Khoolna, and

Nuddea, which have received falls averaging from one inch to about a tenth, while slight falls also have been received in 24-Pergunnahs, Tipperah, Backergunge, Furreedpore and Bogra. Elsewhere practically the whole province has been rainless.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 14th of November 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	87·4	64·4	83 4	66·0	75·1	—0·9	Nil	0·10	—0·10	0·00	0·30	– 0·30	5·70	0·47	5·64	3·11
South-West Bengal ...	88·6	59·6	84 4	65·1	74 8	+0·4	0·07	0·02	+0·05	0·15	0·20	—0·05	0·98	0·15	1·06	1·49
East Bengal	88·7	61·1	84·0	66·7	75·4	+0·5	0·23	0·06	+0 17	0·50	0·25	+0·25	1·73	0·30	2·30	2·19
North Bengal	87·8	58·7	84·0	63·0	73 5	+1·5	Nil	0·02	—0·02	0 00	0·14	—0·14	0·60	0·12	0·65	0·97
North Behar	87·3	53·8	85 4	59·0	72 2	+0·8	Nil	Nil	0	0·00	Nil	0	Nil	0·03	0·01	0·71
South Behar	87·4	56·5	85·5	61·5	73·5	+1·7	Nil	Nil	0	0·00	Nil	0	0·11	0 11	0·19	0·95
Chutia Nagpur	81·2*	54·9*	79·4*	59·0*	69 2*	+1·2*	Nil	0 03	—0·03	0·00	0·13	—0·13	0·14	0·13	0·21	0·90
Assam	90·5	59·8	83·1	63·3	73·2	+0·3										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 17th November 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 8th to 14th November 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
November ...	8th ...	30 035	75·4	84·9	19 0	65·9	79·6	71·1	·648	66·4	64	Nil
,, ...	9th ...	·034	72 8	83 7	21 8	61·9	78·6	68·6	·566	62·4	58	,,
,, ..	10th ...	·006	74·5	82 9	16·8	66·1	79 0	68·3	·550	61·6	55	,,
,, ...	11th ...	·017	74·9	84 9	20 0	64 9	79·6	69 6	·590	63·6	58	,,
,, ...	12th ...	29 968	78 5	83·0	19·1	68·9	82·1	74·9	·770	71·4	70	,,
,, ...	13th ...	·917	76 4	83·9	15 0	68·9	79·6	73·6	·748	70·6	74	,,
,, ...	14th ...	·917	76·7	85·4	17·5	67·9	81·6	73·6	·721	69·4	67	,,

	Inches.
The mean 10 A.M. pressure of the seven days	29·985
	°
The mean temperature of the seven days	75·6
The extreme variation of temperature	26·1
The maximum temperature	88·0
	%
The mean 10 A.M. relative humidity of the seven days	64
	Inches.
The total fall of rain from 8th to 14th November 1891	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 16th November 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th November 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Nov.	8th	140·4	9·8	29·971	74·0	83·8	18·4	65·4	68 9	0·642	66·0	79	N by W and NNE	51	Nil	Chiefly Clear, ⌓.
,,	9th	138·8	9·8	·968	72·1	82·6	21·2	61·4	65·4	·539	61·0	71	NE and NNW ...	73	,,	Clear, ⌓.
,,	10th	139·5	7·5	·942	73·3	81 6	15·5	66·1	67·5	·590	63·9	74	NNW and NE by N.	66	,,	Day cloudy, night clear.
,,	11th	142·8	9·0	·945	74·1	83·6	20·1	63 5	68·9	·643	66·1	77	NE by N and ENE	65	Not measurable.	Partially cloudy, ⌓, d.
,,	12th	145·1	8·3	·898	76·4	85·6	17·9	67·7	71 4	·703	68·7	77	E, ESE and SSW	86	Nil	Partially cloudy, ⌓.
,,	13th	139·1	7·7	·903	75·3	83·5	15·8	67·7	70·8	·695	68·4	79	SSW and SW	50	,,	Partially cloudy, ⌓.
,,	14th	139·5	7·9	·875	75·3	83·9	16 9	67·0	70 7	·691	68·2	79	SW and NE by E	43	,,	Chiefly clear ⌓.

	Inches.
The mean pressure of the seven days	29·929
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29 951
	Hours.
The total number of hours of bright sunshine	60 0
The maximum possible number of hours of sunshine	77·6
	°
The mean temperature of the seven days	74·4
The average temperature of the corresponding period for 24 years, S.-G.'s Office	76·2
The extreme variation of temperature	24·2
The maximum temperature	85·6
	Miles.
The highest velocity of the wind in one hour	9
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	77
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	74
	Inches.
The total fall of rain from 8th to 14th November 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·37
The total fall from 1st January to 14th November 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	65·11

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

⌓, dew; ≡, fog; o overcast; d drizzling rain.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 16th November 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 24th October 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.			Ratio of male births to every 100 female births.	Deaths from—							Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the preceding week.	Deaths.		Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*		Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*		Male.	Female.	Male.	Female.	
Burdwan ...	Burdwan	18,063	16,017	34,080	6	10	*16*	9·2	15·2	*24·4*	60	8	...	14	11	2	7	*42*	12·2	...	21·4	16·8	3·0	13·7	*64·1*	22·9	23	19	66·2	61·7	107
	Raniganj	6,246	4,691	10,937	4	2	*6*	19·0	9·5	*28·5*	200	6	...	5	...	...	1	*12*	28·5	...	23·8	...	...	4·8	*57·1*	33·3	6	6	50·0	66·5	75
Bankura ...	Bankura	8,970	8,925	17,895	12	5	*17*	34·9	14·5	*49·4*	240	...	...	14	1	1	...	*16*	...	...	40·7	2·9	2·9	...	*46·5*	5·8	8	8	46·4	46·6	99
Birbhum ...	Soori	3,962	3,886	7,848	3	...	*3*	19·9	...	*19·9*	No female birth.	...	...	4	...	...	2	*6*	...	...	26·5	...	...	13·3	*39·8*	...	4	2	52·2	26·9	194
Midnapore ...	Midnapore ...	16,927	16,633	33,560	11	4	*15*	17·0	6·2	*23·2*	275	...	...	13	4	1	10	*28*	...	...	20·1	6·2	1·5	15·5	*43·4*	19·6	17	11	52·2	34·4	152
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	13	10	*23*	21·3	16·4	*37·7*	130	2	...	28	1	...	7	*38*	3·3	...	45·9	1·6	...	11·5	*62·4*	103·4	18	20	59·0	65·7	89
	Serampore ...	13,559	12,937	26,496	17	4	*21*	33·4	7·8	*41·2*	425	46	...	23	14	1	9	*93*	91·3	...	45·1	27·5	2·0	17·6	*182·5*	113·8	55	33	210·9	152·7	13[illegible]
	Utterpara	3,046	2,464	5,510	1	1	*2*	9·4	9·4	*18·9*	100	1	...	1	...	...	...	*2*	9·4	...	9·4	...	...	...	*18·9*	18·9	...	2	...	42·2	No male death.
Howrah ...	Howrah	53,153	37,660	90,813	13	20	*33*	7·4	11·5	*18·9*	65	24	...	11	14	...	6	*55*	13·7	...	6·3	8·0	...	3·4	*31·5*	28·6	36	19	35·2	26·2	134
	Bali	7,836	6,979	14,815	5	5	*10*	17·5	17·5	*35·1*	100	12		7	1	...	2	*22*	42·1	...	24·6	3·5	...	7·0	*77·2*	80·7	9	13	59·7	96·9	61
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	4	2	*6*	7·9	3·9	*11·8*	200	25	...	19	6	...	2	*52*	40·4	...	37·6	11·8	...	3·9	*102·8*	118·7	31	21	100·2	106·9	93
	Manicktolla ...	16,536	12,112	28,648	...	3	*3*	...	5·4	*5·4*	No male birth.	2	...	5	3	...	2	*12*	3·6	...	9·1	5·4	...	3·6	*21·8*	9·1	7	5	22·0	21·5	102
	Baranagore ...	15,920	14,062	29,982	10	3	*13*	17·3	5·2	*22·5*	333	20	...	19	4	...	4	*47*	31·7	...	33·0	6·9	...	6·9	*81·5*	24·3	24	23	78·4	85·1	92
	South Suburban	26,400	25,258	51,658	9	8	*17*	9·0	8·0	*17·1*	112	2	...	13	1	...	3	*19*	2·0		13·1	1·0	...	3·0	*19·1*	21·1	7	12	13·8	24·7	55
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	8	7	*15*	15·1	13·2	*28·4*	114	1	...	22	1	...	2	*26*	1·9		41·6	1·9	...	3·8	*49·2*	7·6	16	10	62·7	36·6	171
	Ranaghat	4,028	4,625	8,653	2	...	*2*	12·0	...	*12·0*	No female birth.	...	...	3	...	...	...	*3*	...	...	18·0	...	...	...	*18·0*	23·9	1	2	12·9	22·3	59
	Santipore ...	13,708	15,979	29,687	15	8	*23*	26·3	14·0	*40·3*	157	...		10	2	...	1	*13*	...	...	17·5	3·5	...	1·7	*22·8*	...	4	9	15·2	29·3	53
Jessore ...	Jessore	4,830	3,665	8,495	2	1	*3*	12·2	6·1	*18·4*	200	...	...	2	1	...	...	*3*	...	...	12·2	6·1	...	...	*18·4*	67·3	2	1	21·5	14·2	151
Murshedabad	Berhampore ...	11,657	11,948	23,605	15	12	*27*	33·0	26·4	*59·5*	125	19	...	20	3	...	13	*55*	41·8	...	44·1	6·6	...	28·7	*121·2*	44·1	21	34	93·7	148·0	63
	City Murshedabad	18,901	20,330	39,231	10	9	*19*	13·3	11·9	*25·2*	111	3	...	27	7	...	6	*43*	4·0	...	35·8	9·3	...	7·9	*57·0*	...	27	16	74·3	40·9	181
Khulna ...	Khulna	3,249	3,043	6,292	6	11	*17*	49·6	90·9	*140·5*	54	...		7	1	...	...	*8*	...	...	57·8	8·3	...	...	*66·1*	...	3	5	48·0	85·4	56
Dinajpore ...	Dinajpore	7,254	5,306	12,560	5	5	*10*	20·7	20·7	*41·4*	100	...	...	2	...	...	8	*10*	...	...	8·3	...	...	33·1	*41·4*	33·1	1	9	7·2	88·2	

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	4	6	*10*	10·5	15·8	*26·3*	66	6	.	23	1	...	...	*30*	15·8	...	60·4	2·6	...	...	*78·8*	63·1	13	17	62·8	98·0	64
Rungpore ...	Rungpore	8,011	5,309	13,320	5	4	*9*	19·5	15·6	*35·1*	125	...	...	13	3	...	20	*36*	...	...	50·7	11·7	...	78·1	*140·5*	15·6	23	13	149·3	127·8	117
Bogra ...	Bogra	3,480	2,699	6,179	3	2	*5*	25·2	16·8	*42·1*	150	...	...	4	1	..	...	*5*	...	...	33·7	8·4	...	...	*42·1*	...	1	4	14·9	77·1	19
Pubna ...	Pubna	7,701	7,566	15,267	7	6	*13*	23·8	20·4	*44·3*	116	1	...	6	...	1	8	*16*	3·4	...	20·4	...	3·4	27·2	*54·5*	30·7	9	7	60·8	48·1	126
	Serajganj	11,213	9,824	21,037	6	2	*8*	14·8	4·9	*19·8*	300	16	...	3	9	2	1	*31*	39·5	...	7·4	22·2	4·9	2·5	*76·6*	12·4	20	11	92·7	58·2	159
Darjeeling ...	Darjeeling ...	4,579	2,439	7,018	2	3	*5*	14·8	22·2	*37·0*	66	...	...	10	3	...	...	*13*	...	...	74·1	22·2	...	...	*96·3*	23·2	9	4	102·2	85·3	119
Julpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	2	5	*7*	13·1	33·7	*45·8*	40	...	...	3	...	...	5	*8*	...	...	19·6	...	...	32·7	*52·3*	111·2	7	1	73·2	17·5	418
Dacca ...	Dacca	42,782	37,379	80,161	31	19	*50*	20·1	12·3	*32·4*	163	1	...	14	4	...	23	*42*	·6	...	9·1	2·6	...	14·9	*27·2*	20·1	19	23	23·1	82·0	73
	Narainganj ...	7,605	4,956	12,561	11	12	*23*	45·5	49·7	*95·2*	91	...	...	6	4	...	5	*15*	...	...	24·8	16·6	...	20·7	*62·1*	20·7	9	6	61·5	63·0	97
Faridpore ...	Faridpore	5,663	4,600	10,263	1	2	*3*	5·1	10·1	*15·2*	50	...	...	5	1	...	...	*6*	...	...	25·3	5·1	...	...	*30·4*	10·1	5	1	45·9	11·3	406
Backergunj ...	Barisal	8,701	4,485	13,186	3	1	*4*	11·8	3·9	*15·8*	300	...	...	1	1	...	1	*3*	...	...	3·9	3·9	...	3·9	*11·8*	19·7	...	3	...	34·8	No male death.
Mymensing ...	Nasirabad ...	10,443	4,413	14,856	3	3	*6*	10·5	10·5	*21·0*	100	...	...	2	1	...	3	*6*	...	...	7·0	3·5	...	10·5	*21·0*	...	3	3	14·9	35·4	43
Chittagong ...	Chitagong	13,340	8,790	22,130	3	2	*5*	7·0	4·7	*11·7*	150	...	...	5	.	1	...	*6*	..	..	11·7	...	2·3	...	*14·1*	...	2	4	7·8	23·7	33
Noakhali ...	Sudharam ...	3,410	1,714	5,124	..	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	...	...	...	..	..	...	...	...	...	..	......
Tipperah ...	Comillah	8,153	5,353	13,506	6	4	*10*	23·1	15·4	*38·5*	150	..	.	2	...	...	2	*4*	..	...	7·7	...	...	7·7	*15·4*	19·3	3	1	19·1	9·7	197
Patna ...	Patna City ...	78,762	81,475	160,237	40	33	*73*	13·0	10·7	*23·7*	121	23	...	26	7	3	24	*83*	7·4	...	8·4	2·3	1·0	7·8	*96·9*	17·2	46	35	31·7	22·3	142
	Behar	23,799	25,172	48,971	29	29	*58*	30·8	30·8	*61·6*	100	...	.	12	6	2	9	*29*	.	..	12·7	6·4	2·1	9·6	*30·8*	15·9	10	19	21·8	39·2	56
Gya ...	Gya	38,290	37,831	76,121	22	33	*55*	15·0	22·5	*37·6*	66	4	..	33	1	.	31	*69*	2·7	..	22·5	·7	.	21·2	*47·1*	41·9	35	34	47·3	46·7	102
Shahabad ...	Arrah	20,960	22,505	43,465	41	37	*78*	49·0	44·3	*93·3*	111	...	...	48	4	...	12	*64*	.		57·1	4·8	...	14·4	*76·6*	16·7	38	26	94·3	60·1	157
	Buxar	9,299	8,369	17,668	4	5	*9*	11·8	14·7	*26·5*	80	...	1	4	..	...	1	*6*	...	2·9	11·8	..	...	2·9	*17·7*	2·9	4	2	22·4	12·4	180
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	10	19	*29*	12·2	23·1	*35·3*	52	...	.	8	5	...	3	*16*	...	..	9·7	6·1	...	3·6	*19·5*	19·5	6	10	13·5	26·5	51
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	22	31	*53*	17·3	24·4	*41·7*	71	...	...	17	4	...	8	*29*	..	..	13·4	3·1	.	6·3	*22·8*	21·2	15	11	27·7	17·7	156
Saran ...	Chupra	25,116	26,554	51,670	19	16	*35*	19·1	16·1	*35·2*	118	2	..	8	8	4	16	*38*	2·0	.	8·0	8·0	4·0	16·1	*38·2*	32·2	15	23	31·1	45·0	69
Chumparun ...	Motihari	6,328	3,979	10,307	5	2	*7*	25·2	10·1	*35·3*	250	...	...	3	1	...	5	*9*	...	.	15·1	5·0	..	25·2	*45·4*	70·6	3	6	24·7	78·4	31
Monghyr ...	Monghyr	28,154	29,366	57,520	14	18	*32*	12·6	16·3	*28·9*	78	8	...	18	5	1	15	*47*	7·2	..	16·3	4·5	·9	13·6	*42·5*	34·4	22	25	40·6	44·3	91
	Jamalpore ..	7,456	6,107	13,563	6	6	*12*	23·0	23·0	*46·0*	100	1	...	8	2	...	5	*16*	3·8	...	30·7	7·7	...	19·1	*61·3*	49·8	10	6	69·7	51·1	136
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	41	34	*75*	31·2	25·9	*57·2*	120	4	.	22	5	...	14	*45*	3·0	...	16·8	3·3	...	10·7	*34·3*	...	26	17	41·7	96·5	157
Purneah ...	Purneah	8,463	6,553	15,016	4	2	*6*	13·9	6·9	*20·8*	200	..	...	4	...	..	..	*4*	..	.	13·9	.	...	...	*13·9*	34·6	2	2	12·3	15·9	77
Maldah ...	English Barar ...	6,289	6,141	12,430	10	5	*15*	41·8	20·9	*62·8*	200	20	...	22	3	...	4	*49*	53·7	...	92·0	12·6	...	16·7	*205·0*	104·6	37	12	305·9	101·6	301
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	1	1	*2*	6·5	6·5	*13·0*	100	..	...	1	2	...	2	*5*	..	..	6·5	13·0	.	13·0	*32·5*	39·0	4	1	41·9	17·1	245
Cuttack ...	Cuttack	22,632	20,607	43,239	9	10	*19*	10·8	12·0	*22·8*	90	9		6	...	6	5	*26*	10·8	...	7·2	...	7·2	6·0	*31·3*	14·4	15	11	34·5	27·8	124
Poori ...	Poori	13,247	11,537	24,784	7	5	*12*	14·7	10·5	*25·2*	140	10	...	11	7	2	8	*38*	20·9	..	23·1	14·7	4·2	16·8	*79·7*	67·1	22	16	86·4	72·1	120
Balasore ...	Balasore	10,282	9,983	20,265	2	5	*7*	5·1	12·8	*18·0*	40	...	..	1	..	.	6	*7*	...	...	2·6	..	...	15·4	*18·0*	20·5	2	5	10·1	26·0	39
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	4	7	*11*	13·6	23·8	*37·4*	57	...	.	2	..	...	4	*6*	...	...	6·8	...	...	13·6	*20·4*	23·8	3	3	20·4	20·3	100
Lohardugga ...	Ranchi	10,101	8,342	18,443	6	5	*11*	16·9	14·1	*31·0*	120	...	..	4	..	...	4	*8*	...	.	11·3	...	...	11·3	*22·6*	19·7	2	6	10·1	37·4	27
Singbhum ...	Chaibassa	3,128	2,880	6,008	1	...	*1*	8·7	...	*8·7*	No female birth.	...	..	...	...	...	1	*1*	...	.	..	...	.	8·7	*8·7*	26·0	..	1	...	18·1	No male death.
Manbhum ...	Purulia	5,060	4,244	9,304	4	2	*6*	22·5	11·2	*33·5*	200	...	...	5	...	...	2	*7*	...		27·9	.	...	11·2	*39·1*	33·5	3	4	30·8	49·0	62
	Total ...	872,026	785,969	1,657,995	359	506	*1,065*	17·8	15·9	*33·4*	110	276	1	629	163	27	332	*1,428*	8·7	·03	19·7	5·1	·8	10·4	*44·8*	27·9	770	658	45·9	43·5	105

MORTALITY ACCORDING TO—

Class (columns 13 and 14)

Districts.	Names of Municipalities.	Deaths among— Christians. (13)	Hindus.	Mahomedans.	Buddhists.	Other classes.	Ratio per 1,000 of population per annum. Christians. (14)	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan ...	Burdwan	.	56	16	.			57·1	81·1	.	.
	Raniganj ...		8	4	...		..	48·6	113·0	..	...
Bankura	Bankura	...	14	2	..	.	.	42·9	121·1		.
Birbhum ...	Soori	...	6	1	.		..	44·5	23·1	...	
Midnapore ...	Midnapore	...	27	1	.	.	..	54·1	7·2		.
Hughli, including Serampore.	Hughli and Chinsurah.	.	33	5	.	...	.	67·9	42·2		.
	Serampore	1	56	6	...		113·0	177·2	332··	.	.
	Utterpara	...	2	...	..	..	...	19·5	.		
Howrah ...	Howah	1	41	11	...	..	27·5	32·8	27·9	...	...
	Bali	...	20	2	...	...	..	77·6	79·3	.	...
24-Pergunnahs.	Cossipore-Chitpore	..	42	10	...	.	...	119·5	66·0	...	...
	Manicktola	...	6	6	...	...	...	18·6	27·2	...	.
	Baranagore	...	45	2	...	...	...	99·9	25·1	..	
	South Suburban	...	16	3	...	.	..	20·3	8·0		.
Nuddea ..	Krishnagar	1	15	10	...	...	91·7	41·9	63·3	...	.
	Ranaghat	..	3	..	..	...		21·3		...	..
	Santipore	...	13	...	..	..		32·7	...		
Jessore ...	Jessore	...	2	1	...			23·1	13·6	...	..
Murshedabad.	Berhampore	1	42	12	...	...	221·3	120·2	120·3	..	...
	City Murshedabad	...	23	18	...	2	...	52·6	59·2	...	160·7
Khulna ...	Khulna	...	4	4	...	...	..	65·2	68·2	...	...
Dinajpore ...	Dinajpore	...	6	4	..	...	...	51·5	32·5	...	...
Rajshahye ...	Rampore Beauleah	...	8	22	...	...	...	42·0	116·6	...	.
Rungpore ...	Rungpore	1	19	16	...	...	1,575·7	115·3	125·2	...	..
Bogra ...	Bogra	..	1	4	..	...	...	19·5	60·1	...	..

Age — Deaths (column 15)

Districts.	Names of Municipalities.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	6	11	5	2	3	6	4	2	1	2
	Raniganj	1	1	..	1	.	5	3	...	...	1
Bankura	Bankura	2	2		.	..	2	3	3	...	4
Birbhum ...	Soori	2	1	.	...	.	..	1	1	...	1
Midnapore ...	Midnapore	5	2	..	.	1	3	5	4	1	7
Hughli, including Serampore.	Hughli and Chinsurah.	5	7	3	1	1	2	3	9	2	5
	Serampore	5	15	5	4	7	15	14	9	4	15
	Utterpara	..			1		...	.	.	..	1
Howrah ...	Howah	4	6	9	3	2	10	4	7	3	7
	Bali	2	8	4	1	2	1	..	1	1	2
24-Pergunnahs.	Cossipore-Chitpore	1	12	4		3	4	10	10	1	7
	Manicktola	1	1		2	1	.	2	1	1	3
	Baranagore	3	5	6	4	2	6	6	5	5	5
	South Suburban	2	2		1	1	3		2	1	7
Nuddea ..	Krishnagar	.	8	2	1		2	4	5	1	5
	Ranaghat	...	2	.	..		.		...	..	1
	Santipore	2	4		...	1	1	...	..	1	4
Jessore ...	Jessore	..	.		..	..	1	1	.	...	1
Murshedabad.	Berhampore	8	13	4	6	2	3	5	2	3	6
	City Murshedabad	8	10	5	2	1	2	5	3	..	7
Khulna ...	Khulna	4	1	1	..	.	.	...	2	.	...
Dinajpore ...	Dinajpore	4	1		..	2	...	1	...	...	2
Rajshahye ...	Rampore Beauleah	2	9	2	1	2	2	3	5	1	3
Rungpore ...	Rungpore	9	5	1	1	3	5	5	4	3	2
Bogra ...	Bogra	1	..	2	.	..	1	1	.	.	..

Age — Ratio per 1,000 of population per annum (column 16)

Districts.	Names of Municipalities.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	472·7	25·5	111·5	41·3	49·9	33·4	30·2	25·5	21·2	70·2
	Raniganj	231·3	32·8	.	57·1	...	167·3	72·6	..	..	124·7
Bankura	Bankura	213·9	54·4	...	...	.	31·6	59·1	65·6	.	209·5
Birbhum ...	Soori	597·7	63·3	...	...	...	...	42·6	50·0	...	108·8
Midnapore ...	Midnapore	319·9	44·2	...	...	16·5	21·2	46·9	55·8	25·2	195·9
Hughli, including Serampore.	Hughli and Chinsurah.	323·3	161·0	54·1	21·0	2·7	16·8	27·3	112·2	40·0	125·4
	Serampore	376·2	432·1	163·4	97·7	163·7	144·8	146·4	138·7	108·6	560·7
	Utterpara	.	..	.	108·6	...	...	...	...	...	200·0
Howrah ...	Howah	10 ·8	56·3	74·4	23·7	14·2	22·9	10·8	31·0	25·4	97·0
	Bali	287·3	410·4	195·1	43·3	77·9	15·2	...	26·9	49·6	112·1
24-Pergunnahs.	Cossipore-Chitpore	105·8	707·5	263·3	.	171·6	21·0	81·2	207·8	53·4	777·8
	Manicktola	535·7	379·6		69·1	27·3	...	13·8	11·5	32·0	164·7
	Baranagore	233·4	126·6	125·6	85·5	45·4	48·7	53·4	63·1	125·7	155·2
	South Suburban	78·4	21·9		10·9	11·8	15·4	...	17·6	15·7	111·9
Nuddea ..	Krishnagar	..	125·5	30·3	18·5	...	21·6	48·6	79·7	24·7	150·5
	Ranaghat	...	13·8	...	...	...	...	...	...	...	91·4
	Santipore	123·1	71·8	.	...	23·4	10·6	...	...	21·6	105·9
Jessore ...	Jessore	..	..	...	..	..	25·8	34·0	...	..	143·5
Murshedabad.	Berhampore	1,103·4	424·1	98·4	163·9	59·0	35·0	58·7	31·2	166·6	195·2
	City Murshedabad	545·2	211·2	75·5	36·2	20·1	14·2	35·8	26·7	...	117·6
Khulna ...	Khulna	1,637·8	65·2	65·4	...	...	...	...	159·5	...	...
Dinajpore ...	Dinajpore	1,039·7	60·2	...	.	102·4	...	51·0	...	...	143·8
Rajshahye ...	Rampore Beauleah	256·2	330·0	50·0	28·9	62·6	25·0	43·3	106·0	41·9	162·0
Rungpore ...	Rungpore	2,008·6	174·3	41·3	47·6	145·1	82·2	64·5	131·7	212·2	201·9
Bogra ...	Bogra	379·8	...	148·6	.		39·4	48·6	...	...	...

Pubna ...	Pubna ...	...	8	8	...	...	...	58·3	51·3	...	...	1	2	2	1	...	4	3	3	.	...	131·0	71·3	61·5	37·7	...	71·6	62·5	91·5	...	...
	Serajganj ...	...	13	18	..	...	...	78·8	76·2	...	...	1	1	2	2	4	2	8	6	3	2	96·5	21·8	34·2	54·0	126·7	28·3	131·4	130·5	124·9	89·8
Darjeeling ...	Darjeeling ...	...	12	1	...	...	...	135·8	85·0	...	...	...	5	1	...	1	2	3	1	...	...	...	404·4	85·9	...	81·3	32·0	108·9	78·1	...	...
Julpaiguri ...	Julpaiguri ...	...	5	3	...	...	...	61·2	42·8	...	...	1	1	2	...	...	1	2	1	...	...	353·7	70·6	114·0	..	...	28·7	69·0	69·9	..	...
Dacca ...	Dacca ...	...	28	14	...	...	...	36·1	18·5	...	...	8	8	2	3	3	4	2	1	3	8	219·2	56·4	10·5	19·6	21·4	13·6	8·9	6·2	32·9	74·8
	Narainganj ...	...	7	8	...	...	..	57·6	67·5	...	...	5	1	1	1	2	1	..	..	1	3	231·9	45·6	39·4	45·8	99·5	19·5	...	...	66·5	239·3
Faridpore ...	Faridpore ...	...	5	1	...	...	...	48·6	10·7	..	...		..	2	.	1	1	1	1	...	.	..	...	103·8	..	72·7	28·0	35·6	44·6	...	...
Backerganj ...	Barisal ...	...	1	2	...	...	..	6·6	15·2	...	...	1	2	..	...	.	...	.	...	...	..	265·3	12·2	...	...	...	...	...	...	...	...
Mymensing ...	Nasirabad ...	..	6	...	...	...	.	40·7	..	...	...	3	.	.	...		1	2	...	...	...	705·9	...	..	...	...	14·3	35·7	...	...	...
Chittagong ...	Chittagong ...	...	1	5	...	...	...	9·0	17·0	...	...	2	1	...	..	.	.	...	1	.	2	184·7	26·4	...	..	...	...	..	23·0	...	130·7
Noakhali ...	Sudharam ...	...	...	..	...	...	...	...	...	...	...	..	...	...	...	.	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...
Tipperah ...	Comillah ...	..	..	4	...		..	...	28·1	...	...	2	1	..	...	...	...	.	...	1	...	550·2	39·8	.	...	...	...	...	...	64·9	...
Patna ...	Patna City ...	...	66	17	...	..	...	28·9	21·6	...	..	8	19	5	4	3	1	11	8	4	17	96·5	67·7	24·7	14·4	14·0	1·8	24·6	23·1	14·7	64·0
	Behar ...	...	20	9	...	...	...	30·9	30·5	...	...	8	4	2	2	..	6	1	1	4	1	280·1	85·9	17·2	21·7	...	38·9	7·4	10·1	57·5	14·5
Gya ...	Gya ...	1	53	15	...	..	2,663·6	45·9	48·5	..	.	13	8	2	1	3	7	6	6	6	17	377·7	65·5	14·9	7·7	23·8	24·7	24·5	31·9	47·5	171·8
Shahabad ...	Arrah ...	...	51	13	...	...		85·5	54·5		..	10	10	3	2	4	4	7	4	5	15	403·7	117·3	30·4	23·5	60·0	26·5	56·6	44·4	84·0	270·5
	Buxar ...	...	5	1	...	...	...	18·7	14·5	.	...	2	3	...	...	1	...	..		...	...	250·6	90·6	...	...	47·5	...	..	...	...	...
Mozufferpore ...	Mozufferpore ...	...	11	5	..	..		19·0	20·8		.	4	3	3	.	..	...	1	...	2	3	217·5	38·6	34·7	...	...	...	7·5	...	32·0	64·1
Durbhanga ...	Durbhanga ...	...	19	10	...	..	..	20·4	2·6	...		10	5	3	...	1	5	2	1	...	2	334·0	34·2	19·9	...	12·9	19·5	9·3	7·0	...	32·6
Sarun ...	Chupra ...	...	29	9	.	..		35·0	33·3		.	11	4	1	.	2	6	3	6	2	3	405·4	40·3	8·7	...	30·0	33·9	20·0	51·3	23·2	45·9
Champarun ...	Motihari ...	..	6	3		..	..	41·5	56·3	...	...	4	2	1	.	...		.	.	1	1	1,518·2	105·9	47·1	...	...	...	...	...	55·7	85·7
Monghyr ...	Monghyr ...	..	42	5	...			48·5	10·7	...	..	12	11	2	1	3	5	1	2	2	8	420·2	91·9	14·7	9·1	41·3	25·1	5·8	16·3	26·2	116·0
	Jamalpore ...	...	15	1	...	..		79·4	16·8		...	2	6	1	..	...	3	1	1	...	2	293·0	204·9	30·1	...	...	55·6	21·0	37·0	...	155·9
Bhagulpore ...	Bhagulpore ...	...	31	14	...	..	..	32·9	25·6	...	..	12	14	6	3	..	2	2	1	2	3	434·8	112·2	44·2	21·5	...	8·0	9·5	6·8	20·5	36·3
Purneah ...	Purneah ...	...	2	3	...	...	..	11·3	18·4	...	...	..	...	...	...	..	1	1	2	...	..	..	...	...	...	...	15·8	18·2	56·1	...	...
Maldah ...	English Bazar ...	...	27	22	..	...	...	113·2	222·3	...	...	3	5	7	4	...	8	7	4	6	5	525·8	273·1	242·5	158·4	...	181·2	169·3	141·3	417·1	359·8
Sonthal Pergunnahs.	Deoghur ...	...	5	...	...	...	...	33·7	..	...	...	1	.	...	...	...	1	1	1	.	1	400·0	...	...	...	...	27·6	32·4	55·5	..	136·1
Cuttack ...	Cuttack ...	1	22	3	...	.	28·1	34·0	20·2	...	...	2	2	4	...	...	7	..	2	4	5	101·4	27·8	41·5	...	..	41·8	..	22·9	67·3	88·2
Poori ...	Poori ...	...	38	..	...	...	...	80·6	.	...	..	3	1	2	1	5	8	9	4	5	...	514·9	25·9	46·4	27·7	139·9	78·7	115·5	62·6	116·5	..
Balasore ...	Balasore ...	.	..	7	...	...	...	...	118·6	...	..	5	...	...	...	...	...	..	1	...	1	491·5	...	...	...	...	...	...	23·4	..	44·9
Hazaribagh ...	Hazaribagh ...	...	4	2	...	..	...	15·9	25·2	...	...	3	1	..	..	...	...	.	..	1	1	320·3	25·6	...	...	...	...	...	...	49·0	62·1
Lohardugga ...	Ranchi ...	...	6	2	...	...	...	31·9	19·3	.	.	4	...	...	.	...	4	..	.	...	...	442·6	...	...	...	...	54·6	...	...	...	...
Singhbhum ...	Chaibassa ...	1	...	...	..	...	451·5	...	...	...	..	1	...	...	...	.	...	...	...	...	...	321·0	...	...	...	...	...	...	...	...	...
Manbhum ...	Purulia ...	...	6	1	...	...	...	40·0	41·7	..	.	1	...	1	1	...	1	1	..	1	1	293·8	..	47·1	58·0	...	26·1	30·7	...	111·1	151·6
	TOTAL ...	8	1,053	563		2	30·0	47·4	39·3	..	21·9	220	242	111	57	67	159	185	133	83	199	298·1	86·1	33·9	19·8	27·6	24·8	28·7	35·5	37·9	104·5

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 16th November 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 31st October 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 31st October 1891.			Week ending Saturday, the 1st November 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	567	98,925	1,535	419	55,060	906
Jute	329	1,10,675	1,920	345	1,78,010	3,227
Firewood	123	76,500	822	165	93,925	1,351
Other articles	1,012	2,52,900	3,879	1,228	2,57,100	3,562
Total ...	2,031	5,39,000	8,156	2,157	5,84,095	9,046

CIRCULAR AND EASTERN CANALS.

Approximate Return of Traffic for the week ending Saturday, the 7th November 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 7th November 1891.			Week ending Saturday, the 8th November 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	391	57,650	948	394	62,105	925
Jute	266	83,000	1,513	402	2,58,175	4,602
Firewood	130	79,425	1,373	139	62,125	865
Other articles	897	2,34,575	3,841	1,029	2,62,850	4,268
Total ...	1,684	4,54,650	7,675	1,964	6,45,255	10,660

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 14th November 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 14th November 1891.			Week ending Saturday the 15th November 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	424	87,425	1,317	407	67,840	977
Jute	316	1,12,225	2,508	346	1,71,475	3,042
Firewood	91	58,600	804	152	87,125	1,249
Other articles	1,091	2,65,425	4,310	1,284	3,13,425	4,513
Total ...	1,922	5,23,675	8,939	2,189	6,39,865	9,781

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 7th November 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	228,413	3,09,162 7 0	20,11,949 30	4,88,457 0 0	15,391 3 0	8,13,[illegible] 10 0	72,033	88,304½	160,937½
Or per mile of railway ...	......	202 10 7	......	320 3 2	10 1 5	[illegible] 15 3	......	......	......
For previous 18 weeks of half-year	4,383,972	45,75,610 8 0	3,98,32,014 0	94,40,008 12 0	2,71,712 10 0	1,42,87,331 14 0	1,252,607	1,624,505½	2,877,202½
Total for 19 weeks ...	4,612,385	48,84,772 15 0	4,18,[illegible] 0	99,28,465 12 0	2,87,103 15 0	1,51,00,3[illegible] 8 0	1,3[illegible],240	1,712,[illegible]	3,038,140½
Comparison.									
Total for corresponding week of previous year	230,[illegible]43½	3,21,912 9 0	29,65,904 30	5,88,882 13 3	21,763 4 5	9,32,559 11 5	69,097	84,702	153,799
Per mile of railway corresponding week of previous year ...	......	211 0 4	......	380 0 5	14 4 3	611 5 0	......	......	......
Total to corresponding date of previous year	4,294,254½	45,85,914 14 10	3,48,72,066 20	81,83,044 8 0	3,18,098 15 4	1,30,87,658 6 2	1,[illegible]3,172	1,432,107	2,655,279

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 7th November 1891, on 57¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,810	7,7[illegible]1 2 0	43,[illegible]97 0	2,973 10 0	29 0 0	10,783 12 0	1,888	863	2,751
Or per mile of railway	224	133 0 7	769 10	51 15 9	0 8 1	188 8 5	......	......	......
For previous 18 weeks of half-year	216,481	1,15,935 15 0	8,18,142 0	54,[illegible]82 4 0	669 0 0	170,987 3 0	23,961	11,705	35,6[illegible]
Total for 19 weeks ...	229,291	1,23,717 1 0	8,62,139 0	57,3[illegible]5 14 0	69[illegible] 0 0	181,[illegible]0 15 0	25,[illegible]49	12,568	38,417
Comparison.									
Total for corresponding week of previous year	13,974½	8,330 9 4	52,201 30	3,430 12 0	48 5 0	11,859 10 4	1,729	779	2,508
Per mile of railway corresponding week of previous year ...	244½	146 8 3	912 30	59 15 8	0 13 6	207 5 5	......	......	......
Total to corresponding date of previous year	241,394½	1,34,803 2 8	6,25,535 0	41,502 4 0	671 11 9	1,76,977 2 5	24,750	10,799	35,549

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 7th November 1891, on 22¾ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,966	4,566 3 0	8,008 0	381 13 6	6 0 0	4,954 0 0	888	172	1,060
Or per mile of railway	......	205 3 6	......	17 2 7	0 4 4	222 10 5	......	......	......
For previous 18 weeks of half-year	312,738	77,136 11 0	1,13,776 30	4,443 12 0	116 0 0	81,701 7 0	15,843	1,621	17,464
Total for 19 weeks ...	331,704	81,702 14 0	1,21,784 30	4,8[illegible] 9 0	12[illegible] 0 0	86,655 7 0	16,731	1,7[illegible]8	18,524
Comparison.									
Total for corresponding week of previous year	19,473	5,166 3 0	13,076 20	511 11 0	7 4 0	5,085 2 0	87	91	968
Per mile of railway, corresponding week of previous year ...	......	232 3 0	......	23 15 11	0 5 3	255 8 2	......	......	......
Total to corresponding date of previous year	331,054	73,763 9 0	1,23,038 20	4,4[illegible]3 9 0	112 15 3	83,350 1 3	1 096	963	18,068

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 7th November 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	14,210	13,102 11 0	32,270 30	9,475 1 0	62 0 0	22,639 12 0	6,638	1,692	8,330
Or per mile of railway	......	80 14 1	... ..	58 7 10	0 6 1	139 12 0	......	......	......
For previous 18 weeks of half-year	251,739	1,98,483 1 0	6,85,273 20	1,35,428 8 0	1,057 0 0	3,31,968 9 0	108,517¼	25,935	134,752¼
Total for 19 weeks ...	265,949	2,11,585 12 0	7,17,553 10	1,44,903 9 0	1,119 0 0	3,57,608 5 0	115,455¼	27,627	143,082¼
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	....	... ..	......	......	... ..	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	.. ...	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 31st October 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	144,471	80,120 0 0	7,35,926 0	1,92,491 0 0	21,670 0 0	2,94,280 0 0	25,600	35,685	61,085
Or per mile of railway	186	103 0 0	947 0	248 0 0	†13 0 0	364 0 0	......	......	......
For previous 17 weeks of half-year*	2,600,732	11,48,170 0 0	1,08,28,170 0	25,34,519 0 0	2,08,331 0 0	38,91,020 0 0	442,900	578,401	1,021,301
Total for 18 weeks ...	2,745,203	12,28,290 0 0	1,15,64,096 0	27,27,009 0 0	2,30,001 0 0	41,85,300 0 0	468,400	614,046	1,082,446
Comparison.									
Total for corresponding week of previous year	133,309	72,524 0 0	6,57,249 0	2,05,475 0 0	32,757 0 0	3,10,756 0 0	24,982	42,673	67,655
Per mile of railway corresponding period of previous year ...	175	95 0 0	861 0	269 0 0	†14 0 0	378 0 0	...	. ...	......
Total to corresponding date of previous year	2,479,735	10,72,586 0 0	1,10,14,794 0	26,45,548 0 0	3,04,606 0 0	40,22,740 0 0	426,760	584,431	1,011,191

* Audited up to week ending 12th September 1891.
† Excluding steamers' earnings.

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 7th November 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	179,579	77,800 0 0	5,49,807 0	1,53,710 0 0	12,720 0 0	2,44,230 0 0	25,500	33,800	59,100
Or per mile of railway	231	100 0 0	708 0	198 0 0	†2 0 0	300 0 0	......	......	... ...
For previous 18 weeks of half-year*	2,745,203	12,28,290 0 0	1,15,64,096 0	27,27,009 0 0	2,30,001 0 0	41,85,300 0 0	468,400	614,046	1,082,446
Total for 19 weeks ...	2,924,782	13,06,090 0 0	1,21,13,903 0	28,80,719 0 0	2,42,721 0 0	44,29,530 0 0	493,900	647,646	1,141,546
Comparison.									
Total for corresponding week of previous year	164,779	77,038 0 0	7,01,055 0	1,90,856 0 0	21,350 0 0	2,89,894 0 0	24,978	42,818	67,796
Per mile of railway corresponding period of previous year ...	216	101 0 0	919 0	250 0 0	†3 0 0	354 0 0	......	......	......
Total to corresponding date of previous year	2,644,514	11,49,674 0 0	1,17,15,849 0	28,36,404 0 0	3,26,556 0 0	43,12,634 0 0	451,738	627,249	1,078,987

* Audited up to week ending 12th September 1891.
† Excluding steam-boat earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 31st October 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	23,218	9,610 0 0	60,752 0	4,390 0 0	220 0 0	14,220 0 0	3,028	1 744	5,072
Or per mile of railway	186	77 0 0	484 0	35 0 0	2 0 0	114 0 0	.....	......	......
For previous 17 weeks of half-year*	445,308	1,40,405 0 0	8,59,242 0	69,085 0 0	4,297 0 0	2,22,787 0 0	60,727	34,248	94,975
Total for 18 weeks ...	468.556	1,50,015 0 0	9,19,994 0	73,475 0 0	4,517 0 0	2,37,007 0 0	64,655	35,992	100,647
COMPARISON.									
Total for corresponding week of previous year	23,227	9,275 0 0	49,521 0	4,514 0 0	47 0 0	13,836 0 0	3,028	1,912	5,840
Per mile of railway corresponding week of previous year ...	186	74 0 0	396 0	36 0 0	1 0 0	111 0 0	.. .	......	......
Total to corresponding date of previous year	443,607	1,45,680 0 0	7,22,959 0	59,481 0 0	2,701 0 0	2,07,928 0 0	64,098	32,835	96,9.3

* Audited up to week ending 12th September 1891.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 7th November 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week .	31,354	10,440 0 0	41,233 0	2,880 0 0	130 0 0	13,150 0 0	3,928	1,744	5,672
Or per mile of railway	251	84 0 0	330 0	23 0 0	1 0 0	108 0 0	.. .	...	..
For previous 18 weeks of half year	468,556	1,59,015 0 0	9,19,994 0	73,475 0 0	4,517 0 0	2,37,007 0 0	64,655	35,992	100,647
Total for 19 weeks	499,910	1,69,455 0 0	9,61,227 0	76,355 0 0	4,647 0 0	2,50 457 0 0	68,583	37,736	106,319
COMPARISON.									
Total for corresponding week of previous year ..	28,593	9,550 0 0	51,281 0	4,086 0 0	136 0 0	13,772 0 0	3,806	2,034	5,840
Per mile of railway corresponding week of previous year ...	229	76 0 0	410 0	33 0 0	1 0 0	110 0 0	.	......	......
Total to corresponding date of previous year	472,290	1,55,236 0 0	7,74,240 0	63,567 0 0	2,857 0 0	2,21,700 0 0	67,904	34,869	102,773

* Audited up to week ending 12th Septembe 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 31st October 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,327	5,330 0 0	35,677 0	3,640 0 0	100 0 0	9,070 0 0	2,887	847	3,734
Or per mile of railway	178	62 0 0	415 0	42 0 0	1 0 0	105 0 0	...	......	......
For previous 17 weeks of half-year	274,041	88,428 0 0	2,86,871 0	21,468 0 0	2,686 0 0	1,12,584 0 0*	45,285	13,287	58,572
Total for 18 weeks ...	289,368	93,758 0 0	3,22,548 0	25,108 0 0	2,786 0 0	1,21,654 0 0	48,172	14,134	62,306
COMPARISON.									
Total for corresponding week of previous year	13,362	4,959 0 0	40,310 0	4,421 0 0	268 0 0	9,648 0 0	2,415	1,205	3,620
Per mile of railway corresponding week of previous year ...	155	58 0 0	469 0	51 0 0	3 0 0	112 0 0	......	.....	......
Total to corresponding date of previous year	269,054	86,140 0 0	3,32,498 0	29,068 0 0	5,196 0 0	1,20,404 0 0	42,701	13,529	56,020

* Audited up to week ending 12th September 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 7th November 1891, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	17,938	5,380 0 0	24,553 0	2,561 0 0	130 0 0	8,070 0 0	2,887	690	3,577
Or per mile of railway	209	62 0 0	285 0	30 0 0	2 0 0	94 0 0	......	......	......
For previous 18 weeks of half-year	289,368	93,758 0 0	3,24,548 0	25,108 0 0	2,788 0 0	1,21,654 0 0*	48,172	14,134	62,306
Total for 19 weeks ...	307,306	99,138 0 0	3,17,101 0	27,668 0 0	2,918 0 0	1,20,724 0 0	51,0 9	14,824	65,883
Comparison.									
Total for corresponding week of previous year	15,109	5,796 0 0	41,361 0	4,188 0 0	201 0 0	10,275 0 0	2,412	1,485	3,897
Per mile of railway corresponding period of previous year	176	67 0 0	481 0	49 0 0	3 0 0	119 0 0	......	......	......
Total to corresponding date of previous year	284,163	91,942 0 0	3,73,859 0	33,250 0 0	5,487 0 0	1,30,679 0 0	45,203	15,314	60,517

* Audited up to week ending 12th September 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 31*st October* 1891, *on* 27½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,847	1,000 0 0	4,613 0	200 0 0	20 0 0	1,280 0 0	519	501	1,020
Or per mile of railway	104	37 0 0	170 0	9 0 0	1 0 0	47 0 0	......	......	......
For previous 17 weeks of half-year*	49,630	17,642 0 0	1,81,233 0	9,422 0 0	271 0 0	27,335 0 0	8,695	8,151	16,846
Total for 18 weeks ...	52,477	18,642 0 0	1,85,876 0	9,682 0 0	291 0 0	28,615 0 0	9,214	8,652	17,866
Comparison.									
Total for corresponding week of previous year ...	3,013	1,207 0 0	15,619 0	716 0 0	12 0 0	1,935 0 0	546	599	1,145
Per mile of railway corresponding week of previous year ...	111	44 0 0	573 0	26 0 0	1 0 0	71 0 0	......	......	.....
Total to corresponding date of previous year	53,000	19,080 0 0	1,91,537 0	10,122 0 0	295 0 0	20,803 0 0	9,626	10,208	19,834

* Audited up to week ending 12th September 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 7th November 1891, *on* 27½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,510	910 0 0	9,193 0	500 0 0	40 0 0	1,450 0 0	519	501	1,020
Or per mile of railway	92	33 0 0	337 0	18 0 0	2 0 0	53 0 0	......	......	......
For previous 18 weeks of half-year*	52,477	18,642 0 0	1,85,876 0	9,682 0 0	291 0 0	28,615 0 0	9,214	8,652	17,866
Total for 19 weeks ...	54,987	19,552 0 0	1,95,069 0	10,182 0 0	331 0 0	33,065 0 0	9,733	9,153	18,886
Comparison.									
Total for corresponding week of previous year	3,110	1,028 0 0	7,103 0	348 0 0	8 0 0	1,378 0 0	546	598	1,144
Per mile of railway corresponding week of previous year ..	114	38 0 0	201 0	13 0 0	......	51 0 0	......	......	......
Total to corresponding date of previous year	57,070	20,108 0 0	1,98,010 0	10,470 0 0	303 0 0	30,881 0 0	10,172	10,808	20,978

* Audited up to week ending 12th September 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY.)

Approximate Return of Traffic for the week ending 31*st October* 1891, *on* 730 *miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC		Other earnings (estimated) including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	MDS.	Rs.	Rs.	Rs.			
Total traffic for the week on 730 miles open	67,000	35,340	3,22,110	37,420	7,040	79,800	12,876	13,043	25,919
Or per mile of railway	90·66	47·82	435·87	50·64	9 52	107·98	......	......	......
For previous 16½ weeks of half-year	1,326,693	5,08,049	46,70,578	5,51,455	1,50,107	(a) 11,99,611	203,938	233,326	(a) 437,264
Total for 17½ weeks ...	1,393,693	5,43,389	49,92,688	5,88,875	1,57,147	(a) 12,79,411	216,814	246,369	(a) 463,183
COMPARISON.									
Total for corresponding week of previous year on 691 miles open	70,414	31,988	(b) 3,52,680	49,110	7,393	88,500	12,386	17,555	29,941
Per mile of corresponding week of previous year	110·58	46·29	510·39	71·08	10 70	128·07	......	......	......
Total to corresponding date of previous year	1,332,058	4,78,708	45,02,701	5,50,678	1,12,825	11,42,301	208,064	219,661	427,725

(a) Includes audited figures up to 10th September 1891.
(b) Approximate figures.

EARNINGS.

HEADS.	B. & N.-W. RAILWAY.						TIRHOOT STATE RAILWAY.					
	Week ending 31st October 1891.			Week ending 1st November 1890.			Week ending 31st October 1891.			Week ending 1st November 1890.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Coaching	16,700	0	0	13,950	0	0	18,540	0	0	18,039	0	0
Goods	15,920	0	0	18,656	0	0	21,600	0	0	30,462	0	0
Other earnings	4,280	0	0	4,090	0	0	2,700	0	0	3,303	0	0
Total ...	36,900	0	0	36,696	0	0	42,840	0	0	51,804	0	0

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SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, NOVEMBER 25, 1891.

OFFICIAL PAPERS.

CONTENTS.

REPORT ON THE STATE OF THE SALT MARKET FOR SECOND QUARTER 1891-92.

No. 809B, dated Calcutta, the 14th November 1891.

From—T. INGLIS, ESQ., Offg. Secretary to the Board of Revenue, L.P.,
To—The Secretary to the Government of Bengal, Financial Department.

SALT.

A. SMITH, ESQ.

I AM directed by the Board of Revenue to submit the following report on the state of the salt market for the second quarter of 1891-92, comprising the months of July, August, and September 1891.

2. The quantity of salt of every description cleared during the quarter under report amounted to 27,39,377 maunds 10 seers 14 chittacks, against 27,65,043 maunds 1 seer 11 chittacks in the previous quarter, and 25,14,577 maunds 20 seers 8 chittacks in the corresponding quarter of the previous year; and the net amount of duty levied thereon was Rs. 63,81,532-8, against Rs. 65,36,650 in the previous quarter and Rs. 58,64,525-11 in the corresponding quarter of the previous year.

3. The quantity of excise salt sold in Orissa during the quarter under review and the quantity which remained in store at the close of the quarter are shown in table I:—

TABLE I.

	Cuttack.	Pooree.	Balasore.
		MDS. S.	MDS. S.
Balance at close of the last quarter	......	48,784 20	501 0
Manufactured or added during the quarter	......	8,554 0	431 0
Total ...	......	57,338 20	932 0
Sales during the quarter	......	3,349 0	......
Wastage	......	492 0	......
Total ...	......	3,841 0	......
Balance at close of the quarter	......	53,497 20	932 0

4. The total sale of excise salt during the quarter under review amounted to 3,349 maunds, against 8,005 maunds in the previous quarter, and 36,102 maunds 20 seers in the corresponding quarter of the previous year. The total amount of excise salt cleared, *i.e.*, on which duty was paid during the quarter, was 3,275 maunds. The figures in the table shown in the last paragraph are for the salt removed from the golahs.

5. The subjoined table shows in comparison the importations into the port of Calcutta and the total clearances of sea-imported salt during the quarter under review and the corresponding quarters of the previous two years :—

TABLE II.

	1889-90.		1890-91.		1891-92.	
	2nd quarter.		2nd quarter.		2nd quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Liverpool pungah	14,67,169	17,14,048	18,43,107	16,15,682	13,34,647	15,99,146
Foreign kurkutch	2,29,083	4,00,462	6,02,286	6,14,903	10,67,540	8,46,388
Indian ditto	1,69,228	1,67,498	1,55,628	1,54,573	2,76,105	1,78,732
Total ...	18,65,480	22,82,008	26,01,021	23,85,158	26,78,592	26,24,266

6. The following are the details of the Indian kurkutch salt shown in the above table :—

TABLE III.

	1889-90.		1890-91.		1891-92.	
	2nd quarter.		2nd quarter.		2nd quarter.	
	Imported.	Cleared.	Imported.	Cleared.	Imported.	Cleared.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Bombay	1,58,932	1,57,202	1,52,830	1,51,775	2,74,267	1,76,594
Coconada	9,796	9,796	2,798	2,798	......	...
Madras	500	500	......	......	.....	.....
Rangoon	......	......	......	......	.....	......
Tuticorin	......	......	......	......	2,138	2,138
Total ...	1,69,228	1,67,498	1,55,628	1,54,573	,76,405	1,78,732

7. Table IV shows the quantity of sea-imported salt remaining in the warehouses at the close of the quarter, as compared with the results of the previous four quarters :—

TABLE IV.

WHERE STORED.	Second quarter of 1890-91.	Third quarter of 1890-91.	Fourth quarter of 1890-91.	First quarter of 1891-92.	Second quarter of 1891-92.
	Mds.	Mds.	Mds.	Mds.	Mds.
Sulkea Government golahs	21,64,395	23,66,555	22,46,443	15,55,915	11,89,650
Chittagong ditto ditto	83,574	2,60,057	2,43,399	1,26,919	1,27,631
Ditto private ditto	......	......	......	42,998	37,028
Naraingunge ditto ditto	......	......	......	168	8,451
Total ...	22,47,969	26,26,612	24,89,842	17,29,000	13,63,660

8. The despatches of salt from Calcutta by water and the three railways passing the several salt pass-stations into the interior of the country, both east and west of the river Hooghly, during the quarter under review and the corresponding quarters of the previous two years, are shown in the table below:—

TABLE V.

PERIOD.	*Viâ* Balikhall.	*Viâ* Sankrail.	*Viâ* Gewakhally.	*Viâ* Kidderpore.	*Viâ* Balliaghatta	*Viâ* Ruthtollah Ghât.	By the East Indian Railway.	By the Eastern Bengal and South-Eastern Railways or *viâ* Chitpore.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Second quarter of 1889-90 ...	4,49,757	1,41,318	40,912	85,625	3,77,037	2,803	8,11,072	1,95,427
Ditto of 1890-91 ...	4,09,305	1,47,005	53,182	1,11,075	3,73,488	1,527	6,85,009	3,05,483
Ditto of 1891-92 ...	3,56,164	1,81,752	51,229	1,18,489	4,07,135	1,538	7,63,048	3,08,477

9. The quantity of salt despatched by the East Indian Railway to stations beyond Buxar during the quarter under review amounted to 2,430 maunds as noted in the margin, against 2,126 maunds 10 seers in the previous quarter, and 3,037 maunds 20 seers in the corresponding quarter of the previous year. A further quantity of 56,710 maunds was sent to Orissa during the quarter, against 65,714 maunds sent during the previous quarter.

	Mds.	s.
July ...	1,215	0
August ...	607	20
September ...	607	20
Total ...	2,430	0

10. The shipments of Liverpool salt for the port of Calcutta, according to published market reports, were as follows:—

		Tons.
July ...	...	21,350
August ...	...	20,500
September ...	...	21,490
Total	...	63,340

11. Table VI shows the market price per 100 maunds of Liverpool and other descriptions of salt at the close of each fortnight during the quarter, as compared with those obtaining during the same period last year:—

TABLE VI.

DESCRIPTION OF SALT.	Prices on the 15th July.		Prices on the 31st July.		Prices on the 15th August.		Prices on the 31st August.		Prices on the 15th September.		Prices on the 30th September.	
	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.	1890.	1891.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Liverpool pungah ...	81	71	84	74	77	71	72	70	73	66	77	64
Jedda kurkutch ...	50	.	49	...	47	...	44	...	46	...	46	...
Bombay ditto ...	60	55	52	55	55	55	56	55	56	55	56	55
Muscat ditto ...	55	43	51	41	52	41	52	43	43	43	43	43
Rock ...	70	125	70	125	65	125	65	125	60	125	60	125

12. The following table shows the quantity of sea-imported salt admitted into bond and cleared from bond and shipboard at Chittagong and Narain-gunge during the quarter under review and the corresponding quarter of 1889-90:—

TABLE VII.

PORT.	Description of Salt.	ADMITTED INTO BOND. Second quarter of 1890-91.		Second quarter of 1891-92.		CLEARED. Second quarter of 1890-91.		Second quarter of 1891-92.	
		MDS.	s.	MDS.	s.	MDS.	s.	MDS.	s.
Chittagong ...	Liverpool pungah ...	56,960	0	55,058	0	31,080	0	48,572	21
	Bassein ...	......		......		......			1
	Madras ...	......		......		......			25
	Bremen ...	......		......		12,072	0	......	
Naraingunge ...	Liverpool pungah ...	......		18,333	0	48,484	11	63,262	20
	Total ...	56,960	0	73,391	0	91,636	11	1,11,835	27

No transactions in sea-imported salt have been reported for the quarter from the ports of Cuttack, Pooree, and Balasore.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 21st November, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
BURDWAN DIVN.			
1	Burdwan Nov. 21, '91 Culna ... Cutwa ... Raneegunge ...	Nil Nil Nil Nil	Weather—cool mornings and evenings. Prospects of early winter in Sudder subdivision not good. Sugarcane fair. Rice selling at from 14 to 16 seers per rupee.
2	Bankoora „ 21, '91	Nil	Weather—seasonable. *Aman* coming to maturity. Harvesting of early winter paddy continues Sowing of *rabi* in progress. Sugarcane doing well. Condition of cattle good and supply of fodder sufficient. Common rice selling at 15½ seers per rupee at Bishenpore and 17 seers at Sudder station.
3	Birbhum „ 21, '91 Rampore Haut ...	Nil Nil	Weather—cool and a little cloudy now and then, but no rain. No rain can be of any use now. Rice crops on low lands in good condition; those on high lands have been injured by drought. Outturn expected to be 12 to 14 annas of an average crop all round. Fodder and water plentiful. Price of common rice stationary.
4	Midnapore „ 21, '91	Nil	Weather—fair: getting cooler every day. Prospects of winter paddy crop not bright except in Contai. Indigo doing tolerably well. Cow-pox is still reported. Fodder plentiful. Prices of common rice— Srs. Sudder ... ... 16 } Contai ... ... 18 } per rupee. Tumluk ... ... 16 } Ghatal ... ... nearly 16 }
5	Hooghly „ 21, '91 Serampore ... Jehanabad ...	Nil 0·01 Nil	Weather—fair and cool. Winter rice crop not expected to be more than 8 annas. Sugarcane reported to be in good condition. Fodder and water-supply sufficient. Prices of common rice— Srs. Sudder ... ... 13 } Serampore ... ... 13 } per rupee. Jehanabad ... ... 16 }
6	Howrah „ 21, '91 Uluberia ...	Nil Nil	Weather—not quite so cold as the season would warrant. Paddy on high lands somewhat damaged; otherwise prospects favourable. *Rabi* crops being sown. Fodder and water-supply adequate. Condition of cattle good. Price of common rice 14 seers 12 chittacks per rupee.
PRESIDENCY DIVN.			
7	24-Perghs. „ 24, '91	Nil	Weather—seasonable. *Aman* in ear and prospects unchanged. *Rabi* cultivation not yet finished. Prices stationary. Cattle-disease gradually diminishing. No deficiency of fodder or want of water reported.
8	Nuddea „ 21, '91 Kushtea ... Meherpore ... Chuadanga ... Ranaghat ...	Nil Nil Nil Nil Nil	Weather—seasonable. Harvesting of *aman* going on; outturn not expected to be more than 3 annas. Prospects of winter crops bad owing to continued drought. Common rice selling at from 12 seers 12 chittacks to 15 seers per rupee. Condition of cattle good and supply of fodder and water sufficient.
9	Khoolna „ 21, '91 Bagirhat ... Satkhira ...	Nil 0·16 0·30	Weather—fair and cool. Prospects of *aman* good in the Bagirhat and Satkhira subdivisions, but not so in the Sudder subdivision. Fodder and water sufficient. Price of common rice 14 to 15 seers per rupee.
10	Jessore „ 21, '91 Jhenidah ... Magura ... Narail ... Bongong ...	Nil 0·03 0·06 0·02 0·09	Weather—cool. Outturn of *aman* paddy throughout the district will be much below the average. Recent rain was too insufficient to do any good except in Narail subdivision. *Chotan* paddy is now being harvested, but the crop is thin. Prospects of *rabi* crops fair. Supply of water and fodder sufficient.
11	Murshedabad „ 23, '91	Nil	Weather—bright and cool. Prospects of winter rice improved. *Rabi* crops are being sown. *Kalai* thriving. Fodder obtainable for cattle.
CHITTAGONG DIVN.			
12	Chittagong ...		Report not received.
13	Noakhally „ 21, '91	0·34	Weather—seasonable. *Rajasail* rice is being reaped. Sowing of *rabi* crops continues. Outturn of betelnuts estimated to be 15 annas. Condition of cattle, and fodder and water-supply, good. Price of common rice 15 seers per rupee.
14	Tipperah „ 21, '91	Nil	Weather—seasonable. Prospects of *aman* fair. Fodder sufficient. No cattle-disease reported in any part of the district. Jute market brisk.
15	Chittagong Hill Tracts. „ 20, '91	Nil	Weather—seasonable. Gathering of cotton still continues. Late plough-paddy in flower. Mustard and other cold-weather crops are being sown and transplanted. Common rice is being sold at 11 seers 6¼ chittacks per rupee.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.—*concluded.*				
DACCA DIVN.				
16	Dacca	Nov. 21, '91	0·37	Weather—seasonable. Prospect of *aman* on low lands fair, but the crop on high lands has been partially damaged. Prospects of *rabi* crops fair. Recent showers have done much good to standing crops, especially to paddy. Condition of cattle good. Fodder available. Common rice selling at 13 to 16 seers per rupee.
17	Furreedpore	" 21, '91	Nil	Weather—cool. State of crops fair. Harvesting of *aman* commenced. Sowing of winter crops in progress. Rice selling at 16, 14 to 16, and 16¼ seers per rupee at Sudder, Goalundo and Madaripore respectively.
18	Backergunge	" 21, '91	0·81	Weather—seasonable. Prospects of crops good in the Patuakhali and Perozepore subdivisions, but not so in the Sudder and Bhola subdivisions. Price of common rice varies from 12 to 17 seers per rupee. Supply of fodder and water sufficient except in parts of the Sudder subdivision. Cattle-disease reported.
19	Mymensingh	" 21, '91	Nil	Weather—moderately cold and seasonable. Prospects of winter crops fair. Rice selling at 13¼ seers per rupee. Condition of cattle good. Sufficient supply of water and fodder.
RAJSHAHYE DIVN.				
20	Dinagepore Thakurgaon	" 21, '91 ...	Nil Nil	Weather—bright and cool. Prospects of winter rice bad. Cultivation of *rabi* still going on. Price of rice both at Sudder and Thakurgaon stationary. Condition of cattle good. Fodder and drinking water sufficient.
21	Rajshahye Nattore Nowgong	" 21, '91	Nil Nil Nil	Weather—seasonable. Condition of *aman* continues the same. Prospect of *rabi* favourable. Land is being prepared for sowing of *rabi* crops. Prospect of ganja good. Price of common rice ranges from 11 to 15 seers per rupee. Condition of cattle good. Fodder and water sufficient.
22	Rungpore Gaibanda Nilphamari Kurigram	" 21, '91	Nil Nil Nil Nil	Weather—cool with occasional clouds. Prospects of *aman* unchanged. Mustard, potato and tobacco doing well. Rice selling at from 8½ to 12 seers per rupee. Fodder and water sufficient.
23	Bogra Sherpur Nowkhilla	" 21, '91	Nil Nil Nil	Weather—seasonable. Harvesting of *aman* commenced. *Rabi* crops promising. 14 annas outturn of *aman* expected. No want of fodder and water. Common rice selling at 14 seers a rupee.
24	Pubna	" 21, '91	Nil	Weather—fine and cool. *Aman* paddy is being reaped and is estimated to yield an outturn of 10 annas. *Rabi* crops doing well. Price of common rice 13 seers per rupee. Condition of cattle good. Supply of fodder and water sufficient.
25	Darjeeling	" 21, '91	0·01	Weather—fair. *Haimanti* rice progressing; want of rain has made the produce less. *Kalai* progressing favourably. *Marua* flowering in some places and coming to perfection. Fodder and water-supply sufficient. Prices of common rice— Srs. Silliguri ... ... 11 Kurseong ... ... 10 Naxalbari ... ... 10 Kalimpong ... ... 9 Darjeeling ... ... 9 per rupee. Pulbazar ... ... 11 Sonadah ... ... 10 Jore Bungalow ... ... 10 Nagri 8
26	Julpigoree	" 21, '91	Nil	Weather—seasonable. Prospect of *haimanti* paddy not good for want of rain. *Rabi* crops promising. Common rice sells at 10 seers per rupee. Fodder and water-supply sufficient. No cattle-disease.
BEHAR.				
BHAGULPORE DIVN.				
27	Monghyr Beguserai Jamui	" 21, '91	Nil Nil Nil	Weather—bright with clouds intervening. *Rabi* crop as far as sown is yet promising, but rain is urgently wanted. Prices of common rice varying from 11 to 14 seers per rupee. No cattle-disease. Fodder and water sufficient.
28	Bhagulpore	" 21, '91	Nil	No rain. Prospects of *aghani* rice not altered. Those of *rabi* not favourable. Fodder plentiful. No cattle-disease.
29	Purneah Kishengunge Arrareah	" 21, '91	Nil Nil Nil	Weather—becoming cooler, but still hot in the day. Rain still urgently wanted everywhere for *rabi* crops; those sown early so far doing well. A larger amount of land sown with *rabi*, especially *kurthi* and wheat. In Arrareah price of rice shows a tendency to fall; in other parts it is stationary. Fodder and water-supply sufficient.
30	Maldah Chanchal Shibgunge Gajole	" 21, '91	Nil Nil Nil Nil	Weather—seasonable. Prospects of winter rice not improved for want of rain; outturn expected to be 6 to 8 annas. *Kalai* and others winter crops thriving. Common rice sells at from 12 to 15 seers per rupee. Supply of fodder and water plentiful. Condition of cattle good.
31	Sonthal Perghs.	" 21, '91	Nil	Weather—seasonable. Harvesting of paddy has commenced. Outturn estimated to be 8 annas in Deoghur, 10 annas in Godda, and 8 annas in Rajmehal. Taking the district as a whole, the average yield will be about 12 annas. Price of commun rice 16 seers per rupee. Fodder and water-supply sufficient.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—(concld.)			
Patna Division.			
32	Patna Nov. 21, '91 Barh ... Dinapore ... Hilsa ...	Nil Nil Nil Nil	Weather—seasonable. *Rabi* sowings progressing slowly for want of rain. Paddy that has survived is being harvested in places. Opium sowings in progress. Rain badly wanted for all of these crops. Prices almost stationary
33	Gya " 21, '91	Nil	Weather—fair. Paddy harvest commenced. Sowing of *rabi* and poppy still going on in some places. Prices of food-grains almost stationary. Supply of fodder and water for cattle yet sufficient.
34	Shahabad " 21, '91 Buxar ... Bhabuah ... Sasseram ...	Nil Nil Nil Nil	Cold weather has set in. *Rabi* crops damaged by insects are being resown. These crops generally are thriving. But rain is very much wanted in tracts not reached by the canal system. Artificial irrigation is largely had recourse to. Prices rising slowly in the west of the district. Fodder abundant.
35	Durbhunga " 21, '91	Nil	Weather—getting colder. There can be no improvement in prospects without rain. Paddy is getting into ear. Lands are being prepared for indigo. High land paddy everywhere withered or withering. Condition of cattle good. Fodder and water plentiful.
36	Mozufferpore " 21, '91 Sitamarhi ... Hajipore ...	Nil Nil Nil	Weather—seasonable. *Sudder subdivision*—Rain urgently wanted for rice, poppy and *rabi* crops. Estimated outturn of rice crop 5 annas. *Hajipur subdivision*—Paddy flowering, but withering for want of rain; estimated outturn 3 annas. *Rabi* withering in some places for want of moisture. Other standing crops in good condition. *Sitamarhi subdivision*—Paddy is being cut in several places for cattle. Estimated outturn for the whole subdivision 7 annas. *Rabi* sowings nearly completed. Sugarcane and *rahar* good everywhere. Fodder and water for cattle sufficient. Prices of common rice— Srs. Sudder .. .. 12 } Hajipore ... ... 13 } per rupee. Sitamarhi ... ... 14 } Prices of indian-corn— Sudder ... ... 20 } Hajipur ... ... 21 } per rupee. Sitamarhi ... . 21½ }
37	Sarun " 21, '91	Nil	Weather—fine and dry; warm for the time of the year. *Rabi* crops germinating well. Supply of fodder and water sufficient. Prices of common rice— Srs. Sudder ... ... 13 } Sewan ... ... 16 } Per rupee. Gopalgunge ... ... 12 }
38	Chumparun " 21, '91	Nil	Weather—seasonable. *Rabi* crops are being sown. State of standing crops fair. Supply of fodder and water for cattle plentiful.
ORISSA.			
Orissa Divn.			
39	Cuttack " 21, '91	Nil	Weather—seasonable. *Laghu* paddy is being harvested. Prices of common rice stationary. More rain wanted in parts of Banki for *sarad* crop.
40	Pooree " 19, '91 Khurda ... Banpur ...	Nil Nil Nil	Weather—seasonable. *Laghu* rice being reaped. *Sarad* in ear and in fair condition. Common rice sells at from 12 seers 8 chittacks to 19 seers per rupee.
41	Balasore " 21, '91	Nil	Weather—seasonable. Harvesting of winter rice commenced. Extent of *biri, mung,* and mustard sowings estimated to be 16 annas. Rice sells at Balasore 19 seers per rupee and at Bhadrak 21 seers.
CHOTA NAGPORE.			
South-West Frontier Agency.			
Chota Nagpore Divn.			
42	Hazaribagh Nov. 21, '91 Giridih ...	Nil Nil	Weather—seasonable. Harvesting of paddy continues. Rain wanted for *rabi* crops; 14 annas of the poppy crop sown and seeds germinated strongly. Common rice selling at from 12 to 16 seers per rupee. Fodder and water-supply sufficient. Cattle-disease reported from Symiria thana.
43	Lohardugga " 21, '91 Palamow (up to 16th) ...	Nil Nil	Weather—a little cloudy. Harvesting of winter rice continues. Rain badly wanted for *rabi* crops. Price of common rice 15 seers per rupee. Ample fodder and water for cattle.
44	Singbhoom " 21, '91	Nil	Weather—cloudy. Prospects good. Winter rice is being harvested with an outturn of 16 annas. No change in prices.
45	Manbhoom " 21, '91 Govindpore ...	Nil Nil	Weather—seasonable. Prospects of crops continue satisfactory. Rice selling at from 14 to 20 seers per rupee.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 24th November, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTERS STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH NOVEMBER, 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPEE IN

	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (*Sorghum Vulgare.*) Present return.	Jowar or Cholum Next preceding return.	Jowar or Cholum Corresponding return of last year.
BENGAL																	
			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Burdwan Division.	1	Burdwan ...	11 8	11 8	14 0	...	...	...	12 0	12 0	12 12	15 8	15 6	16 2	...	...	...
	2	Bankoora ...	12 8	12 8	13 12	16 0	16 0	18 0	15 0	15 0	17 0	19 0	19 0	20 0	...	...	...
	3	Beerbhoom ...	12 0	13 8	17 4	...	...	...	13 8	13 8	13 8	15 0	15 0	16 8	...	...	...
	4	Midnapore ...	11 0	11 0	10 8	...	...	...	12 0	12 0	11 0	16 0	16 0	16 0	...	...	...
	5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	13 0	...	...	...
	6	Howrah ...	...	11 4	...	...	...	...	10 4	10 8	10 0	14 4	14 8	14 0	...	...	...
Presidency Division.		Calcutta ..	11 1	11 4	13 3	18 9	19 4	17 10	8 10	8 10	8 10	12 5	12 10	13 3	...	...	16 0
	7	24-Pergunnahs	11 0	12 0	13 0	20 0	20 0	18 0	8 0	8 0	8 0	15 0	15 0	15 0	...	...	...
	8	Nuddea ...	13 1	13 5	15 10	20 0	22 14	17 12	11 7	11 10	11 6	13 9	13 7½	15 3½	...	...	...
	9	Khoolna ...	...	...	...	...	...	...	12 8	12 0	12 8	14 0	14 4	15 0	...	...	...
	10	Jessore ...	11 8	11 8	13 0	...	...	...	11 12	11 12	11 0	14 8	14 8	13 0	...	...	...
	11	Moorshedabad	13 5	13 4	16 0	...	...	...	11 8	11 8	10 0	15 0	15 0	16 0	...	...	...
Chittagong Division.	12	Chittagong ...	10 0	10 0	12 0	...	...	...	11 0	12 0	11 0	15 0	16 0	15 14	...	...	...
	13	Noakholly ...	...	...	...	...	...	...	14 0	14 0	14 8	15 0	15 0	16 0	...	...	...
	14	Tipperah ...	10 0	10 0	10 0	...	...	...	10 0	10 0	11 7	13 14	13 14	16 0	..	...	...
	15	Chittagong Hill Tracts.	...	...	...	...	...	...	10 10½	11 6½	10 5	12 10¾	12 12	11 6¾	...	...	...
Dacca Division.	16	Dacca ...	10 8	11 8	12 0	18 0	20 0	14 0	13 0	13 0	13 0	15 0	15 0	14 0	...	...	...
	17	Furreedpore ...	16 0	15 0	18 0	31 0	35 0	25 0	...	13 0	12 0	17 0	16 0	14 0	...	...	...
	18	Backergunge ...	...	...	...	...	...	...	11 6	12 4	12 4	14 8	15 7	13 4	...	...	...
	19	Mymensingh ...	9 8	9 8	11 4	...	...	...	11 8	13 0	10 0	13 0	14 0	12 12	...	...	...
Rajshahye Division.	20	Dinagepore ...	10 10	10 13	15 10	17 0	16 0	18 0	11 0	9 9½	15 0	12 0	11 0	18 0	...	...	...
	21	Rajshahye ...	12 0	15 0	16 8	19 8	24 0	24 0	9 12	9 12	12 12	13 8	12 0	15 15	...	...	...
	22	Rungpore ...	8 0	10 10	13 5	...	...	...	10 0	10 10	9 6	10 4	12 13	13 5	...	...	...

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11¾ seers, and Raneegunge 10 seers.
B At Bishenpore retail price of salt 10 seers per rupee.
C At Rampore Hât retail price of salt 10½ seers per rupee.
D At Ghattal retail price of salt 11 seers per rupee.
E In subdivisions retail prices of salt per rupee are :—Serampore (at Bhudessur) 11 seers and Johanabad 11 seers 7 chittacks.
F Retail price of salt at Uluberiah 10¼ seers per rupee.
G In subdivisions retail prices of salt per rupee are :—Barasat 10 seers 10 chittacks, Bussirhat (at Baduria) 11¼ seers, Diamond Harbour (at Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
H In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers and Ranaghat 10 seers.
I In subdivisions retail prices of salt per rupee are :—Satkhira 9 seers 13 chittacks and Bagirhat 8 seers.
J In subdivisions retail prices of salt per rupee are :—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.

Head-quarters Station Bazars of the Districts of Bengal on the 15*th November*, 1891.

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or thur, Cadjan Pea. (*Cajanus indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. a. p.	Rs. a. p.	Rs. a. p.	BENGAL.	
...	...	...	17 0	17 0	18 0	100 0	100 0	100 0	A 11 4	11 4	11-2-1	13 5 8	3 5 8	3 7 6	Burdwan.	Burdwan Division.
22 0	22 0	30 0	16 4	17 0	16 0	220 0	220 0	280 0	B 11 8	11 0	10 8	3 10 0	3 10 0	3 10 0	Bankoora.	
...	...	...	13 0	13 0	13 8	160 0	160 0	160 0	C 10 8	10 14	10 8	3 10 0	3 11 6	3 10 0	Beerbhoom.	
...	...	...	10 10	10 10	11 8	120 0	120 0	110 0	D 10 12	10 12	10 8	3 12 0	3 12 0	3 13 0	Midnapore.	
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	E 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.	
...	...	..	10 12	11 0	11 4	100 0	100 0	100 0	F 10 8	10 8	10 8	3 6 0	3 6 0	3 8 0	Howrah.	
16 14	18 8	16 0	14 11	14 15	14 2	95 0	93 5	90 0	11 0	11 2	10 10	3 5 9	3 5 2	3 7 6	Calcutta.	Presidency Division.
...	...	...	15 0	17 0	15 0	100 0	100 0	100 0	G 11 0	11 0	10 12	3 4 0	3 4 0	3 6 6	24-Pergunnahs.	
...	..	...	16 0	16 0	16 0	...	...	...	H 11 0	11 0	9 13	3 9 0	3 8 0	3 12 0	Nuddea.	
...	.	...	..	...	..	160 0	160 0	160 0	I 9 8	9 Q	8 0	4 0 0	4 0 0	4 0 0	Khoolna.	
...	...	..	16 0	16 0	16 0	160 0	160 0	160 0	J 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.	
...	...	...	16 0	16 0	16 0	200 0	200 0	200 0	K 11 8	9 0	10 12	3 8 0	4 7 6	3 12 0	Moorshedabad.	
...	..	...	...	...	...	110 0	110 0	110 0	10 8	10 0	10 0	3 8 0	3 8 0	3 14 0	Chittagong.	Chittagong Division.
...	...		8 0	8 0	8 0	..	.	...	L 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakholly.	
...	..	...	6 4	6 4	11 7	...	...	..	M 10 0	10 0	10 0	3 14 0	3 14 0	4 0 0	Tipperah.	
..	...	...	...	..	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.	
...	..	...	13 0*	16 0	16 0	120 0	120 0	120 0	N 10 0	10 0	9 12	3 12 0	3 12 0	4 0 0	Dacca.	Dacca Division.
...	...	...	10 0	16 0	13 0	...	...	120 0	O 13 4	13 4	10 0	...	3 0 0	3 14 0	Furreedpore.	
...	...	...	(Khosari, husked) 14 8	14 8	13 0	100 0	120 0	100 0	P 10 0	10 8	10 10	3 10 0	3 10 0	3 12 0	Backergunge.	
...	...	...	10 0	9 8	13 0	...	...	.	Q 10 0	10 0	9 8	3 14 0	3 14 0	4 0 0	Mymensingh.	
...	...	.	16 0	16 0	15 10	160 0	160 0	160 0	R 10 4	10 4	10 0	3 14 0	3 14 0	4 0 0	Dinagepore.	Rajshahye Division.
...	...	...	17 8	16 10	17 12	240 0	240 0	240 0	S 9 9	9 9	9 9	3 10 8	3 10 8	3 13 4	Rajshahye.	
...	...	...	13 5	13 5	10 10	100 0	100 0	100 0	T 9 4	10 0	9 6	4 0 0	4 0 0	4 4 0	Rungpore.	

* *Arhar* has on a sudden become almost unavailable, and hence the rise in price.

K In subdivisions retail prices of salt per rupee are :—Lalbagh 11 seers, Kandi 11½ seers and Jungipore 10 seers.

L At Fenny hât retail price of salt 9 seers per rupee.

M Retail price of salt at Chandpore 9 seers per rupee.

N In subdivisions retail prices of salt per rupee are :—Manickgunge 9 seers, Munshigunge 9 seers, and Naraingunge 10 seers.

O Retail prices of salt at Madaripore 10¾ seers per rupee and at Goalundo 10 seers.

P In subdivisions retail prices of salt per rupee are :—Perozepore 9 seers, Patuakhali 9 seers, and Bhola 8 seers.

Q In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Tangail 10 seers, Netrokona 8 seers, Jamalpore 9½ seers and Sherpore 8 seers.

R At Thakurgaon retail price of salt 8 seers per rupee.

S In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.

T In subdivisions retail prices of salt per rupee are :—Kurigram 8 seers, Gaibanda 9 seers 6 chittacks, and Nilphamari 10 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

Division	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (*Sorghum Vulgare.*) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
			QUANTITIES PER RUPEE IN														
		BENGAL.—*continued.*	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Rajshahye Division—*contd.*	23	Bogra ...	12 0	12 0	15 0	...	..	.	12 0	11 4	12 0	14 4	13 8	15 12	...	...	...
	24	Pubna .	13 8	13 8	18 12				7 8	7 0	7 5	15 0	15 0	15 8		.	...
	25	Darjeeling ..	8 0	8 0	8 0	9 0	10 0	10 0	5 0	5 0	5 0	11 0	11 0	13 0		...	...
	26	Julpigoree	11 0	11 0	13 0	16 0	16 0	16 0	6 0	6 0	8 0	11 0	11 0	16 0	.	..	...
		BEHAR.															
Bhagulpore Division.	27	Monghyr ...	13 8	13 12	15 12	20 8	19 8	17 13	10 8	11 0	11 0	13 0	13 0	14 11	...	...	...
	28	Bhagulpore ...	13 14	13 14	16 7	22 11	22 11	18 15	11 6	12 10	Old 10 1 New 12 10	13 14	14 8	Old 12 10 New 15 2	...	...	...
	29	Purneah ...	11 0	12 0	15 0	12 0	12 0		10 0	11 0	15 0	11 0	13 0	17 0	..	...	...
	30	Maldah ...	12 0	13 0	17 0	...	.		10 0	10 0	11 0	11 8	12 8	15 8	...	...	...
	31	Sonthal Perghs.	11 0	12 0	14 0				13 0	13 8	13 0	15 0	15 0	20 0	...	..	...
Patna Division.	32	Patna ...	15 0 13 8	Red. 15 12 White. 14 12	17 2 15 12	24 0	25 0	19 0	11 8	11 8	11 0	18 0	18 0	17 0	..	...	...
	33	Gya ...	12 8	13 8	15 8	24 0	22 0	19 0	10 8	10 8	10 0	13 8	14 8	17 0	...	...	...
	34	Shahabad ...	13 4	13 8	15 8	20 0	20 0	16 0	9 0	8 0	9 0	14 8	14 5½	15 0	..	...	..
	35	Durbhunga ...	13 0	15 6	14 0	22 0	19 12	17 9	11 0	11 0	12 0	13 0	14 4	16 8	...	...	...
	36	Mosufferpore	14 0	13 0	16 0	18 0	18 0	17 0	11 0	11 0	8 0	12 0	13 0	14 0	..	..	...
	37	Sarun ...	13 8	14 5	14 8	23 8	22 0	16 8	8 8	8 8	8 8	13 3	14 0	14 14	...	...	...
	38	Chumparun ...	14 0	15 0	16 0	21 0	24 0	21 0	10 0	10 0	9 0	13 0 17 0	(Old). 13 0 (New). 17 0	17 0	.	...	...
		ORISSA.															
Orissa Division.	39	Cuttack ...	10 8	10 8	13 2	...	..	...	10 8	10 8	10 8	14 7	14 7	18 6	...		...
	40	Pooree ...	9 7	9 7	14 7	...	...	...	10 8	10 8	14 7	15 12	15 12	21 0		..	...
	41	Balasore ...	12 0	15 0	15 0	10 0	13 0	13 0	13 0	13 0	13 0	19 0	19 0	22 0			...
		CHOTA NAGPORE.															
Chota Nagpore Division.	42	Hazaribagh ..	13 0	13 8	14 0	17 0	16 0	16 0	8 0	8 0	10 0	15 0	14 8	19 0	...	...	...
	43	Lohardugga* ...	11 8 7 8	Red. 12 0 White. 7 4	13 0 ...	15 0	17 0	21 0	11 8	12 8	Old. 13 12 New. 16 0	Ordinary. 15 8 Course. 17 0	Ordinary. 15 0 Course. 19 8	Ordinary. 18 0 Course. 20 0	...	.	...
	44	Singbhoom ...	15 0	16 0	16 0	20 0	14 0	20 0	11 0	12 0	14 0	20 0	20 0	16 0		.	..
	45	Manbhoom	11 4	11 12	13 5	...	...	..	13 0	13 8	13 0	20 0	20 0	23 0	...	..	...

U At Serajgunge retail price of salt 11 seers per rupee.
V Retail price of salt at Kurseong 8 seers per rupee.
W In Alipore subdivision (at Fallacotta) retail price of salt 8½ seers per rupee.
X In subdivisions retail prices of salt per rupee are:—Beguserai 9½ seers and Jamui 10 seers.
Y In subdivisions the retail prices of salt per rupee are:—Kishengunge 8 seers, and Arrareah 10 seers.
Z Retail price of salt at Deoghur and Jamtara 10 seers per rupee.
a At Behar retail price of salt 10 seers per rupee.
b In subdivisions retail prices of salt per rupee are:—Sasseram 10½ seers, Bhabuah 10 seers, and Buxar 10½ seers.
c In Madhubani and Somastipore subdivisions retail price of salt 11 seers per rupee.

CALCUTTA,
The 23rd November, 1891.

Station Bazars of the Districts of Bengal on the 15*th November*, 1891—(concluded)

Indian-corn or Maize. (*Zea Mays.*) Present return.	Indian-corn: Next preceding return.	Indian-corn: Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus Indicus.*) Present return.	Arhar: Next preceding return.	Arhar: Corresponding return of last year.	Firewood. Present return.	Firewood: Next preceding return.	Firewood: Corresponding return of last year.	Salt. Present return.	Salt: Next preceding return.	Salt: Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Wholesale Salt: Next preceding return.	Wholesale Salt: Corresponding return of last year.	Districts.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL—*continued.*	
...	...	...	...	..	...	90 0	90 0	90 0	9 9	9 12	9 0	3 14 8	4 0 0	4 0 0	Bogra.	Rajshahye Division—*contd.*
...	...	...	16 8	17 4	17 4	200 0	200 0	200 0	8 15 [U]	8 15	8 15	3 12 0	3 14 0	3 14 0	Pubna.	
16 0	20 0	20 0	10 0	10 0	10 0	120 0	120 0	120 0	8 0 [V]	8 0	8 0	5 0 0	5 0 0	5 0 0	Darjeeling.	
...	...	...	8 0	8 0	12 0	200 0	200 0	200 0	10 0 [W]	10 0	10 0	4 0 0	4 0 0	4 0 0	Julpigoree.	
																BEHAR.
...	...	21 0	16 0	16 8	17 13	140 0	140 0	168 0	10 8 [X]	10 4	9 15	3 12 0	3 14 0	3 13 0	Monghyr.	Bhagulpore Division.
21 7	22 11	21 7	16 6	16 6	17 11	151 8	151 8	151 8	10 11	10 11	10 8	3 12 0	3 12 0	3 11 0	Bhagulpore.	
16 0	20 0	...	13 0	13 0	14 0	80 0	80 0	130 0	10 0 [Y]	10 0	9 0	3 10 3	3 10 3	4 7 0	Purneah.	
...	...	..	...		.	140 0	120 0	120 0	9 8	9 8	9 0	3 14 0	3 8 0	4 0 0	Maldah.	
25 0	25 0	21 0	16 0	17 0	20 0	200 0	200 0	200 0	9 0 [Z]	10 0	9 0	4 0 0	4 0 0	3 14 0	Sonthal Pergh's.	
24 0	24 0	19 0	19 0	19 0	...	120 0	120 0	130 0	11 8 [a]	11 8	9 8	3 8 0	3 8 0	3 10 0	Patna.	Patna Division.
...	...	...	15 4	15 4	17 0	140 0	140 0	160 0	10 0	10 0	10 0	3 14 0	3 14 0	4 2 0	Gya.	
21 8	20 0	...	16 0	16 0	17 0	120 0	120 0	120 0	10 0 [b]	10 0	10 0	4 0 0	4 0 0	3 15 0	Shahabad.	
20 8	18 8	19 12	15 6	15 6	17 0	160 0	160 0	160 0	11 0 [c]	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.	
20 0	20 0	18 0	15 0	15 0	16 0	160 0	160 0	160 0	11 0 [d]	11 0	10 0	3 10 2	3 10 6	4 0 0	Mozufferpore.	
23 0	23 0	18 0	17 0	17 0	16 4	180 0	180 0	180 0	10 8 [e]	10 8	10 4	3 12 0	3 12 0	3 14 0	Sarun.	
22 0	22 0	20 0	15 0	15 0	17 0	160 0	160 0	160 0	10 8 [f]	10 8	10 0	3 10 0	3 12 0	3 13 0	Chumparun.	
																ORISSA
...	..	...	17 1	17 11	18 6	80 0	80 0	80 0	11 0 [g]	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.	Orissa Division.
...	..	...	13 2	13 2	17 12	80 0	80 0	80 0	11 13 [h]	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.	
...	...	...	...			160 0	160 0	160 0	10 8 [i]	10 8	10 0	3 12 0	3 12 0	3 14 0	Balasore.	
																CHOTA NAGPORE
24 0	24 0	25 0	17 0	16 0	20 0	240 0	240 0	240 0	9 0 [j]	9 0	8 0	3 14 6	4 0 0	4 2 0	Hazaribagh.	Chota Nagpore Division.
25 0	32 0	28 8	Small 19 0; Big 12 0	Small 19 0; Big 12 8	Small 24 8; Big ...	150 0	150 0	130 0	9 12	9 12	9 0	4 0 0	4 1 0	4 2 0	Lohardugga.	
21 0	20 0	20 0	16 0	16 0	18 0	200 0	240 0	240 0	9 0	9 0	9 0	4 4 0	4 6 0	4 6 0	Singbhoom.	
-	...	...	16 0	16 0	16 0	200 0	200 0	200 0	10 10 [k]	9 13½	9 14	3 10 0	3 12 0	3 14 0	Manbhoom.	

d In subdivisions retail prices of salt per rupee are:—Hajipore 10½ seers and Sitamarhi 10 seers.
e Retail price of salt at Sewan 11 seers per rupee,
f At Bettiah retail price of salt 10 seers per rupee.
g In subdivisions retail prices of salt per rupee are:—Jajpore 8 seers, Kendrapara 9 seers, and Banki Estate 12 seers.
h At Khurda retail price of salt 10½ seers per rupee.
i At Bhuddruck retail price of salt 9 seers per rupee.
j At Giridhi (Whitty Bazar) retail price of salt 10¼ seers per rupee.
k At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 5 6	3 4 8	2 12 10	1 14 3	1 13 1	2 0 2	4 5 10	4 5 11	4 5 10	2 15 4	2 14 9	2 12 3
2	Serajgunge	3 2 0	3 4 0	1 12 0	...	...	...	5 0 0	5 0 0	4 10 0	3 4 0	3 4 0	5 4 0
3	Dacca ...	3 10 0	3 8 0	3 4 0	2 2 0	1 12 0	2 12 0	3 0 0	3 0 0	3 0 0	2 11 0	2 11 0	2 13 0
4	Naraingunge	...	...	...	...	...	...	2 10 0	2 10 9	3 0 0	2 6 0	2 6 0	2 12 0
5	Chittagong	4 0 0	4 0 0	3 4 0	...	...	...	3 8 0	3 4 0	3 8 0	2 10 0	2 8 0	2 8 0
6	Patna ...	2 10 8 2 15 3	Red, 2 8 6 White, 2 11 9	2 5 0 2 8 0	1 10 6	1 9 6	2 0 0	3 8 0	3 8 0	3 8 0	2 3 6	2 3 6	2 5 6
7	Balasore ...	3 4 0	2 12 0	2 8 0	3 12 0	3 0 0	3 0 0	3 0 0	3 0 0	3 0 0	2 1 0	2 1 0	1 13 0
8	Pooree ...		...	...	...	..		...	...	...	2 8 6	2 8 6	1 14 3
9	Cuttack ...	3 12	3 12 0	3 0 0	...	...	...	3 10 0	3 10 0	3 10 0	2 12 0	2 12 0	2 2 0

CALCUTTA,
The 23rd November, 1891.

in the undermentioned Marts of Bengal on the 15th November, **1891.**

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 2 10	2 4 0	2 2 5	2 1 11	1 14 11	2 3 10	2 7 7	2 6 9	2 8 11	0 5 9	0 5 10	0 5 9	3 5 9	3 5 2	3 7 6	Calcutta.
2 12 0	2 10 0	2 8 0	...	...	...	...	...	...	0 7 0	0 8 0	0 6 6	3 8 0	3 13 0	3 14 0	Serajgunge.
2 8 0	2 8 0	2 8 0	...	...	...	3 0 0	2 6 0	2 8 0	0 5 0	0 5 6	0 5 0	3 12 0	3 12 0	4 0 0	Dacca.
3 8 0	3 8 0	3 4 0	...	...	...	3 8 0	3 8 0	3 4 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 11 0	Naraingunge.
3 4 0	3 6 0	3 0 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 14 0	Chittagong.
1 13 0	1 12 6	2 1 0	1 10 6	1 10 6	2 1 0	2 1 6	2 1 6	...	0 5 4	0 5 4	0 5 0	3 8 0	3 8 0	3 10 0	Patna.
2 12 0	2 12 0	2 12 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 12 0	3 12 0	3 14 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 12 0	Pooree.
2 14 0	(Kalai) 2 14 0	2 10 0	...	...	...	2 4 0	2 4 0	2 2 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal,

Meteorological Division.	District.	Representative station.	Air pressure. Mean barometric height, 8 A.M.	Air pressure. Mean reduced to sea-level and to lat. 45°.	Air pressure. Variation from mean.	Wind. Prevailing direction.	Wind. Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Temperature. Mean maximum temperature.	Temperature. Mean minimum temperature of week.	Temperature. Mean daily temperature of week.	Temperature. Variation from normal mean of week.	Temperature. Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	29·907	29·916	—	?	?	86·7	16th Nov.	64·6	19th Nov.	85·1	66·7	75·9	—	71·7
		Gopalpore	29·976	29·937	+·008	NNW	264	84·1	15 to 18 & 20, 21 ,,	62·3	17 to 19 & 21 ,,	84·1	62·3	73·2	—1·1	70·5
		False Point	29·970	29·933	—·028	N & NNW	202	81·4	15 & 16 ,,	63·0	19th ,,	80·5	65·4	72·9	+0·1	70·0
	Cuttack	Cuttack	29·920	29·915	—·016	Calm		86·4	15th ,,	60·8	19 & 20	84·6	62·9	73·8	—0·8	69·4
	Balasore	Balasore	29·939	29·943	—·030	N & NNW	82	85·4	16th ,,	58·6	17, 18 & 21	84·1	60·0	72·1	+0·9	67·0
South West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·957	29·927	—·032	NNE	202	85·2	16th ,,	64·0	21st ,,	82·1	65·8	74·0	+2·3	72·0
	Midnapore	Midnapore	29·845	29·946	—·035	N	239	86·3	15, 16th ,,	59·2	18th ,,	85·2	61·6	73·4	+2·2	68·5
	24-Pergunnahs, Howrah, Hooghly	Calcutta	29·977	29·944	—·024	Nly	69	84·2	16th ,,	60·2	19 & 20 ,,	82·8	62·5	72·6	+0·5	69·9
	Burdwan	Burdwan	29·918	29·967	—·016	N	40	87·6	15th ,,	61·4	19 & 20 ,,	84·8	63·1	74·0	+1·6	70·9
	Bankoora	Bankoora	29·675	29·937	—·037	NWly	48	85·1	16th ,,	60·4	18th ,,	83·8	61·7	72·8	+0·9	67·9
	Beerbhoom, West Burdwan	Raneegunge	29·664	29·972	—·028	NNW	65	87·0	15th ,,	59·7	17th ,,	84·9	61·3	73·1	+1·7	67·6
	Moorshedabad	Berhampore	29·931	29·940	—·031	N	35	84·1	15th ,,	62·7	19 & 20 ,,	82·5	63·6	73·1	+1·2	68·3
	Nuddea	Krishnaghur	29·947	29·941	—·025	Nly	65	80·3	16th ,,	58·4	20th ,,	84·3	60·0	72·4	+0·9	69·4
	Jessore, Khoolna	Jessore	29·950	29·937	—·024	Calm	41	85·2	15th ,,	60·5	20th ,,	83·1	62·5	72·8	—1·7	69·5
East Bengal.	Chittagong	Chittagong	29·879	29·916	—·026	Calm	29*	86·7	18 & 19 ,,	64·1	19 & 20 ,,	85·8	65·8	75·8	+1·0	72·3
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	29·963	29·921	—·003	Calm & NE	51	82·8	15, 16, 18, 19 & 21 Nov.	61·6	18th ,,	82·3	63·6	73·0	+0·7	72·1
	Noakhally	Noakholly	29·936	29·927	—·003	N	74	85·5	19th ,,	60·0	21st ,,	84·0	62·6	73·3	+0·4	72·0
	Furreedpore	Furreedpore	29·960	29·948	+·001	Calm	40	83·0	15th ,,	60·0	18th ,,	82·6	62·6	72·6	+0·5	71·3
	Dacca	Dacca	29·959	29·929	—·020	NNW	62	85·6	19 & 20 ,,	62·3	21st ,,	84·5	64·3	74·4	+0·6	70·9
	Commillah	Commillah	29·950	29·934	—·006	Calm	16	86·1	19th ,,	59·9	21st ,,	83·8	63·7	73·8	+1·2	71·3
	Mymensingh	Mymensingh	29·940	29·950	—·001	ENE	48	83·8	19th ,,	60·6	16th ,,	82·6	62·5	72·6	—0·2	69·3
North Bengal.	Bogra	Bogra	29·923	29·938	+·009	Calm	31	83·3	15th ,,	59·2	20th ,,	82·4	61·0	71·7	+0·4	68·1
	Pubna	Serajgunge	29·938	29·935	—·026	NEly	29	83·3	20th ,,	57·5	19th ,,	82·6	59·6	71·1	0	68·3
	Rajshahye	Rampore Beauleah	29·921	29·912	—·019	N	38	83·8	15th ,,	59·9	20th ,,	82·4	61·6	72·0	+2·9	68·7
	Maldah	Maldah	29·927	29,962	—	NW	84	86·0	15th ,,	56·9	20th ,,	84·8	58·5	71·7	—	68·1
	Dinagepore	Dinagepore	29·881	29·957	—·028	E	33	86·1	15th ,,	54·0	20th ,,	84·2	57·2	70·8	+0·3	67·6
	Rungpore	Rungpore	29·891	29·973	—·007	ENE	34	84·0	19th ,,	56·0	20th ,,	83·1	59·1	71·1	+1·3	67·5
	Julpigoree, Cooch Behar	Julpigoree	29·727	29·974	—·002	Variable	65	82·9	15th ,,	57·1	18th ,,	83·1	58·1	70·1	+0·4	67·0
	Darjeeling Hill Tracts	Darjeeling	23·035	—	—·023	Calm	92	56·4	18th ,,	39·5	20th ,,	54·5	41·8	48·1	+0·7	48·2
North Behar.	Purneah, North Bhagulpore	Purneah	29·805	29·979	—·008	Calm	11	85·8	21st ,,	53·3	17th ,,	83·9	54·4	69·2	—0·3	63·7
	Mozufferpore	Mozufferporo	29·821	29·960	—	Variable	34	?	?	?	?	?	57·7	?	?	66·0
	Durbhunga	Durbhunga	29·858	29·984	—·022	Calm	22	84·4	20th ,,	58·4	21st ,,	83·3	60·2	71·8	+1·2	67·1
	Chumparun	Motihari	29·777	29·908	—·018	WNW	73	85·2	19th ,,	52·9	21st ,,	83·6	55·0	69·4	+2·0	65·3
	Sarun	Chupra	29·852	29·974	0	Variable	40	85·8	15th ,,	57·1	21st ,,	84·4	59·5	72·0	+2·9	67·6
South Behar.	Shahabad	Dehree	29·077	29·997	—·013	SW	?	85·3	15, 16, 17 ,,	58·0	17, 18 20, 21 ,,	84·2	59·1	71·7	+2·8	67·2
		Buxar	29·782	29·984	—·026	NW	58	86·4	16th ,,	57·9	21st ,,	84·6	59·8	72·2	+2·9	69·1
		Arrah	29·822	29·972	—·016	Wly	48	86·0	17th ,,	60·8	17 & 19 ,,	85·3	62·2	73·8	+5·2	66·3
	Gya	Gya	29·649	29·993	—·014	S	118	85·9	17th ,,	59·5	17, 18 & 20 ,,	84·0	60·3	72·3	+2·2	66·7
	Patna	Bankipore	29·846	29·988	—·028	Variable	53	84·1	17th ,,	58·3	17th ,,	83·2	60·0	72·1	+2·4	70·0
	South Bhagulpore, Monghyr	Bhagulpore	29·847	29·965	—·018	Calm	5	85·7	15th ,,	58·0	17th ,,	83·7	59·3	71·5	+2·6	69·1
	Sonthal Pergunnahs	Doomka	29·590	29·965	—·012	Calm	43	84·6	15th ,,	59·0	16 & 17 ,,	83·4	60·9	72·2	+3·0	69·0
Chutia Nagpur.	Hazaribagh	Hazaribagh	7 970	29·968	—·023	Calm	120	80·1	17th ,,	56·2	20 & 21 ,,	78·5	57·3	67·9	+1·1	67·4
	Lohardugga, Manbhoom	Ranchee	27·842	29·960	—·021	Calm	13	78·9	17th ,,	54·5	19th e,,	77·2	55·7	66·4	+1·6	66·4
	Singbhoom	Chyebassa	29·225	29·958	—·011	Wly	32	83·9	17th ,,	56·0	18th ,,	82·8	58·1	70·5	+0·5	67·0

* Mean of 6 days.

Explanation.—*Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fall.

for the week ending Saturday, the 21st of November 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. RAINFALL. Of week. Mean for district.	Of week. Normal mean.	Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
73	1'4	Nil	Nil	0 41	8'05	1'21	+6'84	8'33	5'21	+3'12	0'00	0 47	Pooree ...	Pooree ...	Orissa.
69	0'3	Nil											Gopalpore ...		
79	2'6	Nil											False Point ...		
71	2'1	Nil	Nil	0'43	7'57	0'73	+6'84	7'69	3'35	+4'64	0'00	0'43	Cuttack ...	Cuttack ...	
80	0	Nil	Nil	0'14	3'92	0'55	+3'37	3'97	2'30	+1'67	0'00	0'33	Balasore ...	Balasore ...	
87	3'6	Nil	Nil	0'03	3'49	0'22	+2'27	2'54	3'75	—1'21	0'00	0 26	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
71	0'4	Nil	Nil	0'03	0'26	0'09	+0'17	0'28	1 55	—1'27	0'00	0'24	Midnapore ...	Midnapore ...	
70	0'3	Nil	Nil	0'02	0'41	0'15	+0'26	0'46	1'42	—0'96	0'00	0'23	Calcutta ...	24-Pergunnahs ... Howrah ... Hooghly ...	
64	0	Nil	Nil	Nil	0'48	0'10	+0'38	0'49	1'41	—0'92	0'00	0'00	Burdwan ...	Burdwan ...	
73	0'4	Nil	Nil	0 06	0'51	0'27	+0'24	0'56	1'35	—0'79	0'00	0'24	Bankoora ...	Bankoora ...	
73	0	Nil	Nil	Nil	1'14	0'10	+1'04	1'35	0'89	+0'46	0'00	0'00	Raneegunge ...	Beerbhoom ... West Burdwan ...	
85	0'6	Nil	Nil	Nil	1'23	0 17	+1'06	1'34	0'79	+0'55	0'00	0'00	Berhampore ...	Moorshedabad ...	
79	0'6	Nil	Nil	0'01	0'66	0'24	+0'42	0'73	1'44	—0'71	0'00	0'14	Krishnagur ...	Nuddea ...	
85	0'4	Nil	Nil	0'06	1'78	0'19	+1 59	1'84	1'79	+0'05	0'00	0'28	Jessore ...	Jessore ... Khoolna ...	
87	3 3	Nil	0'01	0'61	1'27	1'16	+0'11	2'78	4'30	—1'52	0'00	0'45	Chittagong ...	Chittagong ...	East Bengal.
			Nil	0 41	1'87	1'21	+0'66	3'04	3'68	—0'64	0'00	0'40	Domagiri ...	Chittagong Hill Tracts	
78	0	0'94	0 25	0 29	1'22	0 58	+0'64	1'34	2 98	—1'64	0'50	0'41	Barrisal ...	Backergunge ...	
80	0	0'35	0 17	0'55	1'14	1'24	—0'10	2'40	3 87	—1'47	0'50	0'49	Noakhally ...	Noakhally ...	
80	0'4	Nil	Nil	0'10	1'89	0 24	+1'65	1'99	1'48	+0'51	0'00	0'25	Furreedpore ...	Furreedpore ...	
81	0'4	0'08	0'09	0'15	2'45	0'42	+2'03	2'47	2'01	+0'46	0'25	0'33	Dacca ...	Dacca ...	
82	1'0	Nil	0'06	0 11	3'98	0 31	+3 67	5'33	1'94	+3'39	0'25	0'33	Commillah ...	Commillah ...	
85	1'1	Nil	Nil	0'02	1'52	0 21	+1'31	1'78	1'65	+0'13	0'00	0'11	Mymensingh ...	Mymensingh ...	
84	0	Nil	Nil	Nil	2'00	0 25	+1'84	2'34	1'06	+1'28	0'00	0'00	Bogra ...	Bogra ...	North Bengal.
90	0'3	Nil	Nil	0'01	1'03	0'19	+0'84	1'05	1'56	—0'51	0'00	0'08	Serajgunge ...	Pubna ...	
81	0'3	Nil	Nil	0'01	1'22	0'18	+1'04	1'22	0'92	+0'30	0'09	0'03	Rampore Beauleah	Rajshahye ...	
83	0	Nil	Nil	Nil	0'14	0'18	—0'04	0'16	1'06	—0'90	0'00	0'00	Maldah ...	Maldah ...	
82	0'1	Nil	Nil	0'02	0'19	0'10	+0'09	0'19	0'56	—0'37	0'00	0 05	Dinagepore ...	Dinagepore ...	
87	0	Nil	Nil	Nil	0'15	0'08	+0'07	0'17	0 95	—0'78	0'00	0'00	Rungpore ...	Rungpore ...	
83	0	Nil	Nil	Nil	Nil	0 04	—0'04	Nil	1'14	—1'14	0'00	0'00	Julpigoree ...	Julpigoree ... Cooch Behar ...	
75	0'6	0'01	0'11	0 03	0'11	0'24	—0'13	0'71	1'95	—1'24	0'25	0'05	Darjeeling ...	Darjeeling Hill Tracts	
86	0'1	Nil	Nil	Nil	Nil	0'03	—0'03	Nil	0'96	—0'96	0'00	0'00	Purneah ...	Purneah ... North Bhagulpore ...	North Behar.
87	0	Nil	Nil	0'02	Nil	0'06	—0'06	0'06	0'80	—0'74	0'00	0 13	Mozufferpore ...	Mozufferpore ...	
81	0	Nil	Nil	0'01	Nil	0'03	—0'03	Nil	0'68	—0'68	0'00	0 03	Durbhunga ...	Durbhunga ...	
84	0	Nil	Nil	0'01	Nil	0'01	0'01	Nil	0'28	—0'28	0'00	0'03	Motihari	Chumparun ...	
81	0'9	Nil	Nil	0'04	Nil	0'08	—0'08	0'05	0'64	—0'59	0'00	0'06	Chupra ...	Sarun ...	
70	0	Nil											Dehree ...		
67	0'6	Nil	Nil	0'05	Nil	0'16	—0'16	0'04	1'01	—0'97	0'00	0'13	Buxar ...	Shahabad ...	South Behar.
76	0'3	Nil											Arrah ...		
69	2'4	Nil	Nil	Nil	Nil	0'14	—0'14	0'20	0'67	—0'47	0'00	0'00	Gya ...	Gya ...	
63	1'1	Nil	Nil	0'01	Nil	0'10	—0'10	0'13	1'02	—0'89	0'00	0'09	Bankipore ...	Patna ...	
77	0	Nil	Nil	Nil	Nil	0'12	—0'12	0'07	1'07	—1'00	0'00	0'00	Bhagulpore ...	South Bhagulpore ... Monghyr ...	
70	0	Nil	Nil	Nil	0'46	0'12	+0'34	0'40	1'03	—0'54	0'00	0'00	Doomka ...	Sonthal Pergunnahs	
58	0'3	—	Nil	0'01	0'15	0'19	—0'04	0'15	0'77	—0'63	0'00	0'08	Hazaribagh ...	Hazaribagh ...	Chutia Nagpur.
71	1'7	Nil	Nil Nil	0'05 0'01	0'12 0'23	0'13 0'11	—0'01 +0'11	0'18 0'46	1'02 0'98	—0'84 —0'52	0'00 0'00	0 21 0'20	Ranchi ...	Lohardugga ... Manbhoom ...	
72	0'3	Nil	Nil	Nil	0'48	0'18	+0'30	0'54	1'38	—0'84	0'00	0'00	Chyebassa ...	Singbhoom ...	

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean
ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the sub-divisions

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 21st of November 1891.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 15th Nov.	Monday, 16th Nov.	Tuesday, 17th Nov.	Wednesday, 18th Nov.	Thursday, 19th Nov.	Friday, 20th Nov.	Saturday, 21st Nov.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	......	......	......	Nil	Nil	0·24	15·91	0·83	15·91	6·00
		Khurdah ...	......	......	......	......	......	......	......	Nil	Nil	0·22	3·74	0·74	3·74	3·83
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	0·93	1·50	1·90	1·77	4·93
		False Point ...	......	......	......	......	......	......	......	Nil	Nil	0·25	11·00	1·34	12·21	6·06
		Gop ...	......	......	......	......	......	......	......	Nil	Nil	?		?		?
		Satpara ...	......	......	......	......	......	......	......	Nil	Nil	?	3·95	?	4·10	?
		Pipli	......	......	......	......	......	......	......	Nil	Nil	?	6·95	?	6·98	?
	Cuttack	Jagatsingpore	......	......	......	......	......	......	......	Nil	Nil	0·37	12·47	0·64	12·47	3·55
		Banki ..	......	......	......	......	......	......	......	Nil	Nil	1·13	1·17	1·67	1·17	2·79
		Cuttack ..	......	......	......	......	......	......	......	Nil	Nil	0·12	4·87	0·59	4·87	3·48
		Kendrapara ...	......	......	......	......	......	......	......	Nil	Nil	0·24	10·12	0·43	10·72	3·59
		Jajpore ..	......	......	......	......	......	......	......	Nil	Nil	0·26	3·24	0·38	3·24	2·56
		Dharmsala	......	......	......	......	......	......	......	Nil	Nil	?	5·30	?	5·30	?
		Salipore	......	......	......	......	......	......	......	Nil	Nil	?		?		?
	Balasore .	*Akhyapada* ...	......	......	......	......	......	......	......	Nil	Nil	?	4·74	?	4·74	?
		Chandbali .	......	......	......	......	......	......	......	Nil	Nil	0·32	10·38	1·12	10·90	3·33
		Bhuddruck ..	......	......	......	......	......	......	......	Nil	Nil	0·08	5·55	0·66	5·85	2·52
		Sorah ...	......	......	......	......	......	......	......	Nil	Nil	0·06	3·93	0·51	3·93	2·44
		Balasore ..	......	......	......	......	......	......	......	Nil	Nil	0·04	2·47	0·26	2·47	2·94
		Jellasore ..	......	......	......	......	......	......	......	Nil	Nil	0·10	0·82	0·21	0·82	1·06
		Baripedah ..	......	......	......	......	......	......	......	Nil	Nil	0·26	0·35	0·55	0·35	1·58
SOUTH-WEST BENGAL.	Midnapore .	Contai ..	......	......	......	......	......	......	......	Nil	Nil	0·02	2·40	0·16	2·40	4·42
		Saugor Island	......	......	......	......	......	......	......	Nil	Nil	0·04	4·29	0·26	4·44	4·64
		Tumlook ..	......	......	......	......	......	......	......	Nil	Nil	0·06	0·35	0·16	0·35	2·18
		Midnapore ..	......	......	......	......	......	......	......	Nil	Nil	0·02	0·18	0·10	0·18	1·93
		Ghattal ..	......	......	......	......	......	......	......	Nil	Nil	Nil	0·26	0·02	0·33	0·54
		Kukrahaty ..	......	......	......	......	......	......	......	Nil	Nil	?	0·31	?	0·31	?
		Garbetta ...	......	......	......	......	......	......	......	Nil	Nil	?	0·19	?	0·19	?
	24-Pergunnahs	Diamond Harbour ...	......	......	......	......	......	......	......	Nil	Nil	0·03	0·70	0·24	0·78	2·17
		Canning Town	......	......	......	......	......	......	......	Nil	Nil	?	2·34	?	2·34	?
		Alipore Jail ..	......	......	......	......	......	......	......	Nil	Nil	0·01	0·43	0·14	0·43	1·83
		Barrackpore...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·18	0·32	0·28	1·36
		Dum-Dum ..	......	......	......	......	......	......	......	Nil	Nil	0·02	0·40	0·10	0·40	1·55
		Barasat ..	......	......	......	......	......	......	......	Nil	Nil	0·02	0·21	0·20	0·36	1·52
		Buseerhat ...	......	......	......	......	......	......	......	Nil	Nil	0·04	1·28	0·18	1·28	1·50
	Howrah	Howrah	......	......	......	......	......	......	......	Nil	Nil	0·02	0·20	0·20	0·29	1·67
		Mohesreka ...	......	......	......	......	......	......	......	Nil	Nil	0·13	0·41	0·16	0·41	0·87
		Oolooberiah ...	......	......	......	......	......	......	......	Nil	Nil	?	0·36	?	0·36	?
	Hooghly ..	Serampore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·25	0·09	0·49	1·27
		Hooghly ...	......	......	......	......	......	......	......	Nil	Nil	0·02	0·33	0·13	0·33	1·44
		Jehanabad .	......	......	......	......	......	......	......	Nil	Nil	Nil	0·30	0·03	0·30	1·27
	Burdwan	Culna .	......	......	......	......	......	......	......	Nil	Nil	Nil	0·28	0·07	0·28	1·36
		Burdwan ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·25	0·06	0·28	1·47
		Cutwa ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·90	0·18	0·90	1·41
		Raneegunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·28	0·08	0·56	0·96
		Mapkur ...	......	......	......	......	......	......	......	Nil	Nil	?	0·70	?	0·65	?
	Bankoora ..	Bankoora ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·69	0·13	0·69	1·32
		Bishenpore ...	......	......	......	......	......	......	......	Nil	Nil	0·10	0·37	0·31	0·37	1·35
		Mahara ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·47	0·09	0·65	1·06
		Khatra ...	......	......	......	......	......	......	......	Nil	Nil	0·15	0·50	0·57	0·50	1·64
		Indas ...	......	......	......	......	......	......	......	Nil	Nil	?	0·46	?	0·46	?
		Kotalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	0·30	?	0·30	?
		Anda ..	......	......	......	......	......	......	......	Nil	Nil	?	0·41	?	0·41	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	?	0·29	?	0·20	?
		Raipore ...	......	......	......	......	......	......	......	Nil	Nil	?	0·82	?	0·82	?
		Sonamukhi ..	......	......	......	......	......	......	......	Nil	Nil	?	0·51	?	0·51	?
	Beerbhoom	Bh. Soory ..	......	......	......	......	......	......	......	Nil	Nil	Nil	1·43	0·10	1·45	1·33
		Hetampore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·14	0·09	1·52	0·55
		Rampore Haut	......	......	......	......	......	......	......	Nil	Nil	Nil	1·74	0·13	1·88	0·80
		Bolpore ..	......	......	......	......	......	......	......	Nil	Nil	?	1·75	?	2·10	?
		Murari ..	......	......	......	......	......	......	......	Nil	Nil	?	0·56	?	0·56	?
	Nuddea ..	Ranaghat	......	......	......	......	......	......	......	Nil	Nil	Nil	0·54	0·28	0·56	1·47
		Kishnaghur ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·30	0·21	1·30	1·13
		Chooadanga ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·16	0·37	0·47	1·82
		Meherpore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·30	0·10	0·30	1·29
		Kooshtea .	......	......	......	......	......	......	......	Nil	Nil	0·04	1·00	0·24	1·00	1·48
	Khoolna .	Satkhira ..	......	......	......	......	......	......	......	Nil	Nil	0·06	3·13	0·32	3·13	1·84
		Bagirhat ..	......	......	......	......	......	......	......	Nil	Nil	0·17	2·44	0·28	2·78	1·91
		Khoolna ...	......	......	......	......	......	......	......	Nil	Nil	0·07	3·89	0·30	3·89	1·98
		Nakipur ...	......	......	......	......	......	......	......	Nil	Nil	?	2·82	?	2·82	?
		Rampal .	......	......	......	......	......	......	......	Nil	Nil	?	1·80	?	1·80	?
	Jessore ...	Narail ..	......	......	......	......	......	......	......	Nil	Nil	0·05	2·13	0·12	2·13	2·11
		Jessore ...	......	......	......	......	......	......	......	Nil	Nil	0·06	1·33	0·13	1·39	1·96
		Jhenidah ..	......	......	......	......	......	......	......	Nil	Nil	0·02	0·30	0·17	0·34	1·70
		Magoorah ...	......	......	......	......	......	......	......	Nil	Nil	0·04	0·52	0·15	0·52	1·28
		Bongong ..	......	......	......	......	......	......	......	Nil	Nil	0·04	0·53	0·07	0·56	1·63
	Moorshedabad	Kandi ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·20	0·32	1·20	1·01
		Berhampore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·06	0·19	1·06	0·84
		Lalbagh ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·76	0·10	0·86	0·86
		Aurungunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·33	0·15	1·86	0·80
		Jungipore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	1·43	0·08	1·43	0·66
		Lalgola ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·60	0·12	1·60	0·60
		Azimgunj ...	......	......	......	......	......	......	......	Nil	Nil	?	0·71	?	1·03	?
		Patkabari ..	......	......	......	......	......	......	......	Nil	Nil	?	0·40	?	1·10	?
EAST BENGAL	Chittagong .	Cox's Bazar ...	......	......	......	......	......	0·02	......	Nil	0·02	0·69	1·13	1·30	3·91	5·48
		Chittagong ...	......	......	......	......	......	......	......	Nil	Nil	0·52	1·39	1·00	1·63	3·07
		Kutubdia ...										?	2·78	?	3·56	?
		Satkanya ...	......	......	......	......	......	......	......	Nil	Nil	?	2·96	?	3·70	?
	Chittagong Hill Tracts.	Rangamati ...	......	......	......	......	......	......	......	Nil	Nil	0·44	1·87	1·21	3·04	3·68
		Bundarbun ...	......	......	......	......	......	......	......	Nil	Nil	?	2·10	?	3·04	?
	Backergunge	Patuakhally...	......	......	......	......	......	......	......	Nil	Nil	0·30	0·72	0·51	0·93	3·29
		Perozepore .	0·18	......	......	......	......	......	......	1	0·18	0·16	1·69	0·40	1·69	2·75
		Burrisal ...	0·81	......	......	......	......	......	......	1	0·81	0·25	2·10	0·43	2·21	2·96
		Bhola ...	......	......	......	......	......	......	......	Nil	Nil	0·44	0·38	0·56	0·63	2·90

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 21st of November 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 15th Nov.	Monday, 16th Nov.	Tuesday, 17th Nov.	Wednesday, 18th Nov.	Thursday, 19th Nov.	Friday, 20th Nov.	Saturday, 21st Nov.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
EAST BENGAL —concld.		*Gournaddi* ...	......	......	......	......	......	......	......	Nil	Nil	?	3·35	?	4·01	?
		Bauphal ...	......	......	......	......	......	......	......	Nil	Nil	?	0·75	?	1·50	?
	Noakholly ...	Noakholly	0·34	......	......	......	......	......	......	1	0·84	0·29	0·84	0·61	2·71	3·41
		Fenny ..	......	......	......	......	......	......	......	Nil	Nil	0·80	1·44	1·85	2·09	4·33
		Harishpore ...	......	......	......	......	......	......	......	Nil	Nil	?	0·45	?	0·47	?
		Ramganj ...	......	......	......	......	......	......	......	Nil	Nil	?	1·28	?	1·39	?
	Furreedpore	Madaripore ..	......	......	......	......	......	......	......	Nil	Nil	0·16	4·11	0·21	4·24	1·44
		Furreedpore ..	......	......	......	......	......	......	......	Nil	Nil	0·09	1·07	0·28	1·07	1·43
		Goalunoo .	......	......	......	......	......	......	......	Nil	Nil	0·04	0·49	0·21	0·52	1·55
	Dacca ...	Munshigunge	......	......	......	......	......	......	......	Nil	Nil	0·23	3·70	0·33	3·78	2·22
		Dacca .	0·37	......	......	......	......	......	......	1	0·37	0·07	1·98	0·18	1·98	1·37
		Naraingunge	......	......	......	......	......	......	......	Nil	Nil	0·29	3·34	0·95	3·34	3·02
		Manickgunge	......	......	......	......	......	......	......	Nil	Nil	0·13	0·82	0·20	0·82	1·38
		Joydebpore ..	......	......	......	......	......	......	......	Nil	Nil	?	1·05	?	1·05	?
	Hill Tipperah	Agartola ..	......	......	......	......	......	......	......	Nil	Nil	0·08	3·75	0·41	6·05	2·72
	Tipperah ...	Comilla ...	......	......	......	......	......	......	......	Nil	Nil	0·19	4·54	0·41	6·42	1·84
		Chandpore ..	......	......	......	......	......	......	......	Nil	Nil	0·08	4·45	0·14	4·45	1·39
		Brahmunberia	0·24	......	......	......	......	......	......	1	0·24	0·10	3·19	0·29	4·59	1·80
		Ramchandrapore ...	0·16	......	......	......	......	......	......	1	0·16	?	2·04	?	3·42	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	1·25	?	1·25	?
		Daudkandi .	......	......	......	......	......	......	......	Nil	Nil	?	3·17	?	3·17	?
		Kasba ...	......	......	......	......	......	......	......	Nil	0·85	?	5·92	?	7·20	?
		Laksham ..	......	......	......	......	......	......	......	Nil	Nil	?	1·20	?	2·05	?
	Mymensingh ..	Kishoregunge	......	......	......	......	......	......	......	Nil	Nil	0·02	1·67	0·23	1·87	1·40
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	0·03	0·63	0·10	0·63	1·48
		Mymensingh	......	......	......	......	......	......	......	Nil	Nil	0·01	1·84	0·17	2·03	1·68
		Jamalpore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	1·80	0·18	3·00	1·34
		Netrokona ...	......	......	......	......	......	......	......	Nil	Nil	0·02	1·58	0·35	1·58	2·31
		Subornakhally	......	......	......	......	......	......	......	Nil	Nil	?	1·10	?	1·10	?
		Durgapore ...	......	......	......	......	......	......	......	Nil	Nil	?		?		?
		Sherepore Town	......	......	......	......	......	......	......	Nil	Nil	?	2·08	?	2·08	?
		Dewanganj .	......	......	......	......	......	......	......	Nil	Nil	?	1·84	?	1·84	?
NORTH BENGAL.	Pubna ...	Pubna ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·99	0·13	0·99	1·40
		Serajgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·01	1·06	0·24	1·09	1·61
	Bogra ...	Sherepore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	1·79	0·41	2·04	1·35
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	Nil	2·67	0·41	2·67	1·26
		Bogra ..	......	......	......	......	......	......	......	Nil	Nil	Nil	3·60	0·17	3·60	1·23
		Panchbibi .	......	......	......	......	......	......	......	Nil	Nil	Nil	0·30	0·01	0·45	0·43
	Rajshahye ...	Beauleah .	......	......	......	......	......	......	......	Nil	Nil	Nil	0·31	0·14	0·31	0·98
		Nattore .	......	......	......	......	......	......	......	Nil	Nil	Nil	1·44	0·21	1·44	1·14
		Naogaon ...	......	......	......	......	......	......	......	Nil	Nil	0·02	1·90	0·16	1·90	0·61
		Lalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	1·07	?	1·07	?
		Manda .	......	......	......	......	......	......	......	Nil	Nil	?	1·00	?	1·00	?
	Maldah ..	Maldah .	......	......	......	......	......	......	......	Nil	Nil	Nil	0·26	0·16	0·26	1·85
		Chanchal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·02	0·19	0·02	0·74
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	?	0·15	?	0·15	?
		Sibganj ..	......	......	......	......	......	......	......	Nil	Nil	?	0·93	?	0·93	?
	Dinagepore ..	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	Nil	0·70	0·08	0·70	0·29
		Churamon ..	......	......	......	......	......	......	......	Nil	Nil	0·04	0·08	0·16	0·08	0·25
		Raigunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·06	Nil	0·16
		Dinagepore .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·06	Nil	1·79
		Baloorghat	......	......	......	......	......	......	......	Nil	Nil	0·03	0·17	0·12	0·17	0·39
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Rungpore ..	Bhowanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	Nil	0·46	0·06	0·54	1·07
		Rungpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·09	0·09	0·09	1·30
		Kurigram ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·06	0·16	0·06	0·75
		Bagdogra (*Nilphamari*)	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·02	Nil	0·46
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·48	?
	Julpigoree .	Julpigoree ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·08	Nil	2·14
		Alipore Dooar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Debiganj ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bhagatpore (Nagrakatta)	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·41	?
	Cooch Behar	Dinhatta ..	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	0·04	Nil	0·86
		Cooch Behar ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·03	Nil	1·09
		Mickilgunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·01	Nil	0·81
		Matabhanga ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·03	Nil	0·75
	Darjeeling Hill.	Buxa ..	0·45	......	......	......	......	......	......	1	0·45	0·10	0·45	0·31	2·30	3·23
		Silliguri .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·32	Nil	0·68
		Darjeeling ...	......	......	......	......	......	0·01	......	Nil	0·01	0·03	0·01	0·11	0·07	3·37
		Kalimpong .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·20	0·47	0·52
		Kurseong ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
NORTH BEHAR	Purneah ...	Kissengunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·02	Nil	0·94
		Arrareah .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·03	Nil	0·81
		Purneah .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·06	Nil	1·45
		Gondwara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Balarampore	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Manary ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Kaliaganj .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddapore ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·04	Nil	0·84
		Soopool ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	Nil	0·75
		Protabganj ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Durbhunga ...	Tajpore .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·04	Nil	0·68
		Durbhunga ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·03	Nil	0·68
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·02	Nil	0·68
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Roshera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamarhi ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	Nil	0·46
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·07	Nil	1·27
		Hajipore ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·08	0·17	0·63
		Paru ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Mahua ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sukar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pupri ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 21st of November 1891—concld.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 15th Nov.	Monday, 16th Nov.	Tuesday, 17th Nov.	Wednesday, 18th Nov.	Thursday, 19th Nov.	Friday, 20th Nov.	Saturday, 21st Nov.	TOTAL— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
NORTH BEHAR —concluded.	Chumparun	Motihari	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	Nil	0·32
		Bettiah	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	Nil	0·23
		Bagaha	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sarun	Gopalgunge	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·11	0·07	0·17
		Sewan	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·08	0·09	1·01
		Chuprah	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·06	Nil	0·75
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·10	0·18	1·04
		Dehree	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·09	Nil	0·78
		Bhaboosh	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·30	Nil	1·31
		Sasseram	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·11	Nil	1·14
		Arrah	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·08	Nil	0·76
		Mohaniah	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·12	Nil	0·41
		Gya	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·22	0·73	0·92
		Nowadah	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·08	0·07	0·70
		Jehanabad	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·14	Nil	0·64
		Arwal	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Daudnagar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sherghatti	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·26	?
		Rajauli	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·03	?
	Patna	Patna	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·07	0·31	0·99
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·06	0·10	0·98
		Behar	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·13	0·06	1·07
		Barrh	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·15	0·13	1·07
		Bickram	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hilsa	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
	Monghyr	Begoosarai	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·21	0·05	1·28
		Monghyr	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·07	Nil	1·19
		Jamui	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·03	0·10	0·73
		Gogri	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sheikpura	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore	Bhagulpore	......	......	......	......	......	......	......	Nil	Nil	Nil	0·01	0·21	0·01	0·91
		Banka	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·07	0·18	1·28
		Kolgong	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bongaon	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal	......	......	......	......	......	......	......	Nil	Nil	Nil	0·14	0·11	0·14	0·97
		Godda	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·05	0·08	0·75
		Pakour	......	......	......	......	......	......	......	Nil	Nil	Nil	1·82	0·05	1·85	0·87
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	Nil	0·36	0·16	0·38	0·98
		Deoghur	......	......	......	......	......	......	......	Nil	Nil	Nil	0·12	0·09	0·16	1·60
		Jamtara	......	......	......	......	......	......	......	Nil	Nil	Nil	0·30	0·28	0·30	1·07
		Mohagama										?		?		?
		Nanihat	......	......	......	......	......	......	......	Nil	Nil	?	0·61	?	1·76	?
CHOTA NAGPUR.	Hazaribagh	Pachamba (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·15	Nil	0·94
		Hazaribagh	......	......	......	......	......	......	......	Nil	Nil	Nil	0·15	0·16	0·15	0·91
		Semtagurah	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·17	Nil	0·50
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	Nil		0·16		0·55
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·26	0·50	0·84
		Barhi	......	......	......	......	......	......	......	Nil	Nil	?	0·07	?	0·07	
		Chatra	......	......	......	......	......	......	......	Nil	Nil	?	0·05	?	0·05	?
		Karagdeha	......	......	......	......	......	......	......	Nil	Nil	?	0·17	?	0·17	?
		Ramghar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	?
	Lohardugga	Lohardugga	......	......	......	......	......	......	......	Nil	Nil	0·08	0·04	0·15	0·22	0·96
		Ranchi	......	......	......	......	......	......	......	Nil	Nil	0·06	0·26	0·12	0·26	1·09
		Palamow	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	0·11	0·06	1·02
		Silli	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Balumat	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hosseinabad	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Gurwah	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Singbhoom	Chyebassa	......	......	......	......	......	......	......	Nil	Nil	Nil	0·48	0·18	0·54	1·38
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	?		?		?
		Ghatsilla	......	......	......	......	......	......	......	Nil	Nil	?	0·88	?	0·68	?
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	?	0·30	?	0·62	?
	Manbhoom	Purulia	......	......	......	......	......	......	......	Nil	Nil	0·02	0·43	0·10	0·65	0·94
		Gobindpore	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·13	0·25	1·02
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Barrabhoom	......	......	......	......	......	......	......	Nil	Nil	?	0·70	?	0·70	?
		Jhalda	......	......	......	......	......	......	......	Nil	Nil	?	0·23	?	0·23	?
		Chas	......	......	......	......	......	......	......	Nil	Nil	?	0·19	?	0·19	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 24th November* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE WEEK ENDING 8 A.M., SATURDAY, THE 21ST OF NOVEMBER 1891.

THE weather conditions in Bengal at the close of the previous week had been distinctly disturbed owing to the formation of a barometric depression in the centre of the Bay, and on the 13th, when the depression was fairly well marked, cloudy weather with rain and unusually high temperature and humidity prevailed in the south of the province. The depression in the Bay, however, filled up almost entirely on the 14th, or the last day of the previous week, and thus weather began rapidly to improve in Bengal, and the sky cleared to a large extent, though still a few local rain-showers fell at some of the stations in East Bengal, and which falls were reported on the morning of the 15th instant. With the commencement of more settled weather pressure rose rapidly in Bengal, the increase on the 15th at some stations exceeding a tenth of an inch, while temperature on the other hand commenced to fall. Light north-easterly and northerly winds set in over the greater part of the province except the extreme western stations, where more or less southerly winds were blowing. The disturbed conditions in the province indeed had so rapidly disappeared, that at almost all stations the sky had become nearly cloudless, and at the same time humidity decreased and the air became generally fairly dry, so that from this day practically ordinary cold weather or north-east monsoon conditions had again set in over the province. The meteorological changes in Bengal on the next three days were unimportant; on the 16th pressure rose slowly and temperature continued to fall rather rapidly; on the 17th pressure had commenced to fall moderately, and there was a slight further fall of temperature; on the 18th pressure had commenced to rise very slowly, but the slow fall of temperature continued except at some of the central and northern stations. To the east of the centre of the Bay, however, on this day there were distinct indications of the formation of a new depression and strong easterly winds set in at Diamond Island, pointing to the existence of squally or somewhat stormy weather in the eastern part of the southern half of the Bay, or perhaps to the existence of a feeble storm between the Andamans and the Madras Coast. The indications of the existence of this depression were more marked on the morning of the 19th, but the depression did not on this occasion concentrate to form a definite storm, for on the 20th it had practically disappeared, and on the 21st there was again no indication of the existence of any definite depression or storm, though probably squally weather generally obtained in the south of the Bay. The unsettled weather in the Bay as usual affected the weather in Bengal, and pressure fell moderately to rapidly on the 19th and the 20th, though there was a slight rise on the 21st. Wind directions on the whole were almost unchanged except on the 19th, when they became more southerly. Temperature, however, on the 19th rose decidedly, the increase being from 1° to 2°, but on the 20th and 21st there was on the whole a fall. The sky became a little more clouded and humidity a little higher, but except for a few drops of rain at Cox's Bazar and Darjeeling, the whole province remained rainless. The cold weather conditions have therefore not been very strongly developed in Bengal during the week under review, and weather has been for a part of it again distinctly disturbed.

Pressure.—The mean pressure of the province for the week has been generally below the normal by from one to three hundredths of an inch, but the variations have been somewhat irregular. The defects at the western stations have been generally rather larger than those over the eastern half of the province, where at some stations such as Comilla, Burisal, Furreedpore, and Julpigoree pressure has been almost normal.

Temperature.—The mean temperature has been above the normal in all districts except Orissa, where a defect of 1·4° has been registered. In South-West, East and North Bengal the excess has equalled about one degree, and in Chutia Nagpur and North Behar about one-and-a-half degrees. The largest excess has, however, been registered in South Behar, where it has equalled no less than 3°. For the whole province the mean temperature for the week has been above the normal by about one degree.

Rainfall.—The only stations at which falls in excess of a tenth of an inch have been received during the week have been Perozepore, Burisal, Noakhally, Dacca, Brahmanberiah and Buxa. Elsewhere the whole province has been practically rainless.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 21st of November 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	86·7	58·6	83·7	63·5	73·6	—1·4	Nil	0·31	—0·31	0·00	0·40	—0·40	6·25	0·78	6·30	3·42
South-West Bengal ...	87·6	58·4	83·7	62·5	73·1	+0·9	Nil	0·03	—0·03	0·00	0·10	—0·10	0·98	0·18	1·06	1·52
East Bengal	86·7	59·9	83·7	63·6	73·6	+0·7	0·08	0·21	—0·13	0·16	0·31	—0·15	1·73	0·51	2·38	2·40
North Bengal	86·1	54·9	83·1	59·3	71·2	+0·9	Nil	0·01	—0·01	0 00	0·05	—0·05	0·60	0·13	0·65	0·98
North Behar	85·8	52·9	83·8	57·3	70 6	+1·5	Nil	0·02	—0·02	0·00	0·06	—0·06	Nil	0·05	0·01	0·78
South Behar	86·9	57·9	84·1	60·4	72·3	+3·0	Nil	0·01	—0·01	0·00	0·05	—0·05	0·11	0·12	0·19	0·96
Chutia Nagpur	80·1*	54·8*	77·9*	76·5*	67·2*	+1·4*	Nil	0·02	—0·02	0·00	0·10	—0·10	0·14	0·15	0·21	0·92

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 24th November 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 15th to 21st November 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
November ...	15th ...	29·989	77·0	84·9	15 8	69·1	81·4	69·5	·560	62·2	52	Nil
,, ...	16th ...	30·041	73·9	83 9	20·0	63·9	79·6	68·6	·552	61·8	55	,,
,, ...	17th ...	29·991	72·5	82·9	90 8	62·1	77·6	68·6	·579	63 1	61	,,
,, ...	18th ..	30·000	72·8	83·4	21 3	62·1	77·6	67·6	·542	61·2	58	,,
,, ...	19th ...	29·956	72·4	83·9	23·0	60·9	79·6	68·1	·534	60·8	53	,,
,, ...	20th ...	·937	72·6	83·9	22·6	61·3	78·6	68·0	·544	61·3	56	,,
,, ...	21st ...	·952	72·4	82 9	21·0	61·9	77·6	67·8	·550	61·6	58	,,

	Inches.
The mean 10 A.M. pressure of the seven days	29·981
	°
The mean temperature of the seven days	73·4
The extreme variation of temperature	24·0
The maximum temperature	84·9
	%
The mean 10 A.M. relative humidity of the seven days	56
	Inches.
The total fall of rain from 15th to 21st November 1891	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 23rd November 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 15th to 21st November 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Nov.	15th	138·0	9·6	29·945	75·7	84·4	16·2	68·2	68·7	0·610	64·6	70	NNE and N by W	95	Nil	Clear, ⌓.
„	16th	137·0	9·6	·960	72·5	82·7	19·3	63·4	66·1	·557	62·0	72	N by W and NNW	87	„	Clear, ⌓.
„	17th	140·3	9·5	·929	71·3	81·1	18·7	62·4	65·6	·558	62·0	74	N and NNW ...	60	„	Clear, ⌓.
„	18th	136·5	9·7	·937	70·8	81·9	20·4	61·5	65·2	·549	61·6	75	NNW and WNW	47	„	Clear, ⌓.
„	19th	138·8	9·7	·900	70·3	82·7	22·5	60·2	61·4	·530	60·6	74	WNW and NNW	36	„	Clear, ⌓.
„	20th	136·7	9·7	·900	71·3	82·7	22·6	60·1	64·8	·530	60·6	71	NNW, N and NNE	81	„	Clear, ⌓.
„	21st	135·3	8·9	·902	72·0	82·0	20·2	61·8	65·5	·545	61·4	71	NNE and N ...	95	„	Partially cloudy, ⌓.

	Inches.
The mean pressure of the seven days	29·925
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	29·988
	Hours.
The total number of hours of bright sunshine	66·7
The maximum possible number of hours of sunshine	76·8
	°
The mean temperature of the seven days	72·0
The average temperature of the corresponding period for 24 years, S.-G.'s Office	74·3
The extreme variation of temperature	24·3
The maximum temperature	84·4
	Miles.
The highest velocity of the wind in one hour	10
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	72
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	71
	Inches.
The total fall of rain from 15th to 21st November 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·03
The total fall from 1st January to 21st November 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	65·14

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

⌓, dew.

C. Little,

For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;

Calcutta, the 23rd November 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 31st October 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
		Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the proceeding week.	Male.	Female.	Male.	Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan	Burdwan	18,063	16,017	34,080	11	3	*14*	16·8	4·6	*21·4*	366	5	...	6	5	1	4	*21*	7·6	...	9·2	7·6	1·5	6·1	*32·0*	64·1	11	10	31·7	32·5	97
	Raniganj	6,246	4,691	10,937	1	5	*6*	4·7	23·8	*28·5*	20	4	...	4	2	...	1	*11*	19·0	...	19·0	9·5	...	4·7	*52·3*	57·1	7	4	58·3	44·3	131
Bankura	Bankura	8,970	8,925	17,895	7	8	*15*	20·3	23·2	*43·6*	87	...	...	6	1	...	1	*8*	..	...	17·4	2·9	...	2·9	*23·2*	46·5	5	8	29·0	17·5	166
Birbhum	Soori	3,962	3,866	7,848	1	...	*1*	6·6	...	*6·6*	No female birth.	...	...	4	...	...	1	*5*	...	...	26·5	...	...	6·6	*33·1*	19·8	2	3	26·1	40·4	64
Midnapore	Midnapore	16,927	16,633	33,560	6	5	*11*	9·3	7·7	*17·0*	120	2	...	7	..	...	7	*16*	3·1	...	10·8	...	...	10·8	*24·8*	43·4	10	6	30·7	18·8	163
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	18	9	*27*	29·5	14·8	*44·3*	200	2	...	27	2	...	9	*40*	3·2	...	44·3	3·2	...	14·8	*65·6*	62·4	17	23	55·7	75·6	73
	Serampore	13,559	12,937	26,496	9	10	*19*	17·7	19·6	*37·3*	90	28	...	10	11	...	12	*61*	54·9	...	19·6	21·6	...	23·6	*119·7*	182·5	35	26	134·2	104·5	128
	Utterpara	3,046	2,464	5,510	1	1	*2*	9·4	9·4	*18·9*	100	...	..	...	3	...	4	*7*	...	...	...	28·3	...	37·7	*66·1*	18·9	3	4	51·2	84·4	60
Howrah	Howrah	53,153	37,660	90,813	26	20	*46*	14·9	11·4	*26·3*	130	20	...	13	13	...	12	*58*	11·4	...	7·4	7·4	...	6·9	*83·2*	31·5	37	21	36·2	29·0	125
	Bali	7,836	6,979	14,815	2	5	*7*	7·0	17·5	*24·6*	40	7	..	7	2	1	1	*18*	24·6	...	24·6	7·0	3·5	3·5	*63·2*	77·2	13	5	86·3	37·3	231
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	4	7	*11*	7·9	13·8	*21·7*	57	11	...	20	4	...	6	*41*	21·7	...	39·6	7·9	...	11·8	*81·1*	102·8	24	17	77·6	86·5	90
	Manicktolla	16,536	12,112	28,648	4	2	*6*	7·3	3·6	*10·9*	200	3	..	6	1	1	3	*14*	5·4	...	10·9	1·8	1·8	5·4	*25·4*	21·8	10	4	31·4	17·2	182
	Baranagore	15,920	14,062	29,982	7	5	*12*	12·1	8·7	*20·8*	140	3	..	10	4	...	4	*21*	5·2	...	17·3	6·9	...	6·9	*36·4*	61·5	13	8	42·5	29·6	143
	South Suburban	26,400	25,258	51,658	4	8	*12*	4·0	8·1	*12·1*	50	4	...	12	1	...	4	*21*	4·0		12·1	1·0	...	4·0	*21·1*	19·1	10	11	19·7	22·6	87
Nuddea	Krishnagar	13,263	14,214	27,477	4	7	*11*	7·6	13·8	*20·8*	57	1	..	23	1	...	6	*31*	1·9	...	43·5	1·9	...	11·4	*58·7*	49·2	11	20	43·1	73·2	59
	Ranaghat	4,028	4,655	8,683	3	...	*3*	18·0	...	*18·0*	No female birth.	...	.	5	...	...	1	*6*	...		29·9	...	...	6·0	*35·9*	18·0	3	3	38·7	33·5	115
	Santipore	13,708	15,979	29,687	13	3	*16*	22·8	5·2	*28·0*	433	...	..	10	...	..	1	*11*	...	...	17·5	...	...	1·7	*19·3*	22·8	8	3	30·3	9·8	209
Jessore	Jessore										Return not received up to date.															18·4					
Murshedabad	Berhampore	11,657	11,948	23,605	12	9	*21*	26·4	19·8	*46·3*	133	17	...	12	9	...	8	*46*	37·4	...	26·4	19·8	...	17·6	*101·3*	121·2	28	18	124·9	78·3	159
	City Murshedabad										Return not received up to date.															57·0					
Khulna	Khulna	3,249	3,043	6,292	5	2	*7*	41·3	16·5	*57·8*	250	...		7	...	...	1	*8*	...	...	57·8	...	...	8·3	*66·1*	66·1	6	2	96·0	34·2	251
Dinajpore	Dinajpore	7,254	5,306	12,560	4	6	*10*	16·6	24·8	*41·4*	66	...	...	6	1	..	7	*14*	...	..	24·8	4·1	...	29·0	*58·0*	41·4	8	6	57·3	58·8	97

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	10	7	17	26·3	13·4	44·7	143	13	..	26	1	...	3	45	34·1	...	73·6	2·6	...	7·9	118·2	78·8	22	23	106·3	132·5	
Rungpore ...	Rungpore	8,011	5,309	13,320	1	2	3	3·9	7·8	11·7	50	...	...	...	...	..	3	3	...	..	...	...	...	11·7	11·7	140·5	3	...	19·5	...	No female death.
Bogra ...	Bogra	3,480	2,699	6,179	6	2	8	50·5	16·8	67·3	300	1	...	7	2	1	1	12	8·4	...	58·9	16·8	8·4	8·4	101·0	42·1	8	4	119·5	77·1	154
Pubna ...	Pubna	7,701	7,566	15,267	9	15	24	30·6	51·1	81·7	60	2	...	9	...	...	6	17	6·8	..	30·6	...	...	20·4	57·9	54·5	5	12	33·8	83·5	40
	Serajganj	11,213	9,824	21,037	12	8	20	29·6	19·8	49·4	150	9	...	4	...	1	3	17	22·2		9·9	...	2·5	7·4	42·0	76·6	10	7	46·4	37·1	125
Darjeeling ...	Darjeeling ...	4,579	2,439	7,018	1	1	2	7·4	7·4	14·8	100	...	..	2	...	...	...	2	...	...	14·8	...	...	...	14·8	96·3	1	1	11·4	21·3	53
Julpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	1	3	4	6·5	19·6	26·2	33	...	...	3	2	1	4	10	...	...	19·6	13·1	6·5	26·2	65·4	52·3	3	7	31·4	122·4	126
Dacca ..	Dacca	42,782	37,379	80,161	25	26	51	16·2	16·9	33·1	96	...	...	19	7	...	14	40	...	...	12·3	4·5	...	9·1	25·9	27·3	22	18	26·7	25·0	111
	Naraingunj ...	7,605	4,956	12,561	7	12	19	29·0	49·7	78·7	58	...	...	5	7	...	7	19	...	...	20·7	29·0	...	29·0	78·7	62·1	11	8	75·2	83·9	90
Faridpore ...	Faridpore	5,663	4,600	10,263	3	2	5	15·2	10·1	25·3	150	...	...	1	1	..	.	2	...	...	5·0	5·0	...	...	10·1	30·4	2	...	18·4	...	No female death.
Backergunj ..	Barisal	8,701	4,485	13,186	5	3	8	19·7	11·8	31·5	166	1	...	4	2	..	4	11	3·9	.	15·8	7·9	...	15·8	43·4	11·8	9	2	53·8	23·2	231
Mymensing ...	Nasirabad ...	10,443	4,413	14,856	1	2	3	3·5	7·0	10·5	80	...	...	...	1	...	4	5	...	...	...	3·5	...	14·0	17·5	21·0	3	2	14·9	23·6	63
Chittagong ...	Chitagong	13,340	8,790	22,130	3	2	5	7·0	4·7	11·7	150	...	...	5	1	...	...	6	..	...	11·7	2·3	...	...	14·1	14·1	5	1	19·5	5·9	330
Noakhali ...	Sudharam ...	3,410	1,714	5,124	...	1	1	...	10·1	10·1	No male birth.	...	..	2	...	..	...	2	...	..	20·3	...	...	...	20·3	...	1	1	15·2	30·3	50
Tipperah ...	Comillah	8,153	5,353	13,5 6	7	3	10	25·9	11·6	38·5	233	...	..	2	...	...	3	5	...	..	7·7	...	...	11·6	19·3	15·4	3	2	19·1	19·4	98
Patna ...	Patna City ...	78,762	81,475	160,237	29	19	48	9·4	6·2	15·6	152	15	1	46	4	...	19	85	4·9	·3	14·9	1·3	...	6·2	27·6	26·9	40	45	26·4	28·7	92
	Behar	23,799	25,172	48,971	8	22	30	8·5	23·4	31·9	36	...	...	6	4	...	1	11	..	..	6·4	4·2	...	1·1	11·7	30·8	5	6	10·9	12·4	88
Gya ...	Gya	38,290	37,831	76,121	34	29	63	23·2	19·8	43·0	117	...	...	38	2	.	27	67	...	..	26·0	1·4	...	18·4	45·8	47·1	35	32	47·5	41·0	108
Shahabad ...	Arrah	20,960	22,505	43,465	24	11	35	25·7	13·2	41·9	218	...	...	21	1	...	10	32	...		25·1	1·2	...	13·0	38·3	76·6	19	13	47·1	30·0	157
	Buxar	9,299	8,369	17,668	4	5	9	11·8	14·7	26·5	80	...		5	1	...	1	7	...	..	14·7	2·9	...	2·9	20·6	17·7	3	4	16·8	24·9	67
Mozufferpore ..	Mozufferpore ...	23,084	19,658	42,742	11	8	19	13·4	9·7	23·1	137	...	.	3	5	...	7	15	...	..	3·6	6·1	...	8·5	18·2	19·5	10	5	22·5	13·2	170
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	19	14	33	11·9	11·0	26·0	136	...	...	11	3	...	7	21	...	..	8·6	2·4	...	5·5	16·5	22·8	11	10	16·9	16·1	105
Sarun ...	Chupra	25,116	26,554	51,670	34	19	53	34·2	19·1	53·3	178	2	..	8	4	1	24	39	2·0	...	8·1	4·0	1·0	24·1	39·2	33·2	20	19	41·4	37·2	111
Champarun ...	Motihari	6,328	3,979	10,307	3	8	11	15·1	40·4	55·5	37	...	..	3	3	...	3	9	...	.	15·1	15·1	...	15·1	45·4	45·4	8	1	65·7	13·5	486
Monghyr ...	Monghyr	28,154	29,366	57,520	18	14	32	16·3	12·6	28·9	128	19	.	16	5	.	13	52	16·3	..	14·5	4·5	...	11·7	47·0	42·5	28	24	51·7	42·5	121
	Jamalpore ...	7,456	6,107	13,563	5	7	12	19·2	26·8	46·0	71	1	..	7	..	...	7	15	3·8	...	26·8	...	...	26·8	57·5	61·3	7	8	45·8	68·1	71
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	14	15	29	10·7	11·4	22·1	33	3		20	3	...	10	36	2·3	..	15·2	2·3	...	7·6	27·4	34·3	15	21	22·3	32·8	67
Purneah ...	Purneah	8,463	6,553	15,016	2	...	2	6·9	...	6·9	No female birth.	.	...	10	...	.	..	10	..	..	34·6	...	...	...	34·6	13·9	5	5	30·7	39·7	77
Maldah ...	English Bazar ..	6,289	6,141	12,430	9	3	12	37·6	12·5	50·2	300	15	..	19	2	...	6	42	62·7	...	79·5	8·4	...	25·1	175·7	205·0	20	22	165·4	186·3	89
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	5	2	7	32·5	13·0	45·5	250	3	...	3	1	...	8	15	19·5	...	19·5	6·5	..	51·9	97·4	32·5	7	8	73·3	136·8	53
Cuttack ..	Cuttack	22,632	20,607	43,239	16	11	27	19·2	13·2	32·5	145	2	...	8	7	1	11	29	2·4	...	9·6	8·4	1·2	13·2	34·9	31·3	15	14	34·5	35·3	97
Poori ..	Poori	13,247	11,537	24,784	7	3	10	14·7	6·3	21·0	233	10	...	11	6	...	5	32	21·0	..	23·0	12·6	...	10·5	67·1	79·7	19	13	74·6	58·6	127
Balasore ..	Balasore	10,282	9,983	20,265	6	3	9	15·4	7·7	23·1	200	...	...	2	4	..	6	12	...	...	5·1	10·3	...	15·4	30·8	18·0	4	8	20·2	41·7	48
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	7	5	12	23·8	17·0	40·8	140	...	...	3	..	...	2	5	...	...	10·2	...	...	6·8	17·0	20·4	1	4	6·8	27·1	25
Lohardugga .	Ranchi	10,101	8,342	18,443	5	3	8	14·1	8·5	22·6	166	...	...	5	4	...	3	12	...	...	14·1	11·2	...	8·5	33·8	22·6	10	2	51·5	12·5	412
Singhbhum	Chaibassa	3,128	2,880	6,008	...	2	2	...	17·3	17·3	No male birth.	...	...	...	...	...	...	...	...	...	..	...	.	...	...	8·7	...	...	...	...	......
Manbhum	Purulia	5,060	4,244	9,304	2	2	4	11·2	11·2	22·4	100	...	.	2	...	...	1	3	...	...	11·2	...	...	5·6	16·8	39·1	1	2	10·3	24·5	42
	Total ...	848,295	761,974	1,610,269	495	409	904	16·0	13·2	29·2	121	202	1	533	143	8	316	1,203	6·5	·03	17·2	4·6	·2	10·2	38·8	44·8	653	551	40·0	37·6	106

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	...	17	4	...	...	...	37·3	20·3	...	...	2	...	2	3	...	5	1	5	2	1	157·6	...	44·6	62·0	...	32·8	7·5	53·9	42·4	35·1
	Raniganj	...	10	1	...	...	...	58·3	23·3	...	...	...	...	1	...	...	...	4	3	2	1	...	...	45·9	...	...	...	96·8	124·7	172·2	124·7
Bankura	Bankura	...	8	...	...	...	...	24·5	...	...	...	2	2	1	...	...	1	...	2	...	..	219·0	54·4	23·0	...	...	15·8	...	57·1	...	...
Birbhum	Soori	...	3	2	...	...	...	26·7	52·2	...	...	2	2	...	...	...	...	...	...	...	1	597·7	166·7	...	...	...	...	...	...	...	108·8
Midnapore	Midnapore	...	15	1	...	...	...	30·1	7·2	...	...	2	.	...	...	...	2	3	2	1	6	140·0	...	...	...	...	14·2	23·1	27·9	25·2	170·5
Hughli, including Serampore.	Hughli and Chinsurah.	...	32	8	...	...	...	65·8	67·5	...	...	8	4	5	2	...	1	4	3	3	10	518·1	93·7	90·1	41·9	...	8·4	36·4	37·4	60·0	250·8
	Serampore	...	55	6	...	...	...	113·3	332·6	...	...	3	15	4	5	2	7	9	2	5	9	219·7	432·1	82·7	117·1	47·6	67·6	94·1	39·8	135·8	336·4
	Utterpara	...	7	...	...	...	...	68·3	...	...	...	1	1	...	...	1	1	...	1	1	1	323·0	133·5	...	...	118·2	45·2	...	74·2	141·3	200·0
Howrah	Howrah	1	45	12	...	...	27·5	34·3	30·4	...	...	7	11	5	2	3	6	9	6	2	7	178·4	103·2	41·3	15·8	21·3	13·8	24·3	26·5	18·9	97·0
	Bali	...	12	6	...	...	...	46·5	238·0	...	...	1	4	1	2	..	2	1	3	1	3	143·6	208·2	49·8	87·6	...	31·1	18·6	80·6	49·6	213·1
24-Pergunnahs.	Cossipore-Chitpore	...	11	30	...	...	...	31·3	198·1	...	...	7	6	...	2	...	4	5	6	2	9	761·5	353·7	...	41·2	..	21·9	40·6	124·7	106·9	1,000·0
	Manicktola	...	10	4	...	...	...	31·1	18·1	...	...	4	...	1	1	2	...	2	2	...	2	3,354·8	...	321·0	44·6	54·7	...	12·8	23·1	...	109·8
	Baranagore	...	20	1	...	...	...	40·4	12·5	..	...	6	4	...	1	1	3	2	1	...	3	460·9	101·3	...	22·2	22·7	24·4	17·8	12·6	...	93·1
	South Suburban	...	14	7	...	...	...	23·0	18·7	...	...	2	2	1	3	5	4	...	1	2	1	78·4	21·9	10·2	32·7	58·9	20·5	...	8·8	31·4	16·0
Nuddea	Krishnagar	1	23	7	...	...	91·7	64·2	44·0	...	...	2	3	5	3	1	4	4	3	2	4	209·7	63·2	75·6	65·5	25·3	43·3	48·6	47·8	43·4	120·4
	Ranaghat	...	6	...	...	...	...	42·6	...	...	...	...	..	...	...	.	1	1	1	..	3	...	...	...	...	...	34·5	41·7	51·8	...	274·2
	Santipore	...	10	1	...	...	...	25·1	5·8	...	...	3	1	1	1	...	...	2	...	...	3	184·6	17·9	13·6	17·9	...	...	24·0	...	...	79·4
Jessore	Jessore											Return not received up to date.																			
Murshedabad.	Berhampore	2	31	13	...	...	442·6	88·7	133·3	...	..	10	4	5	4	2	5	4	1	3	9	1,379·3	130·5	123·0	109·3	59·0	58·4	47·0	15·1	83·[illegible]	260·3
	City Murshedabad											Return not received up to date.																			
Khulna	Khulna	...	1	7	...	...	...	16·3	119·4	...	...	3	1	1	...	1	...	...	1	...	1	1,228·3	65·2	65·4	...	100·4	...	...	73·8	...	165·1
Dinajpore	Dinajpore	...	8	6	...	...	...	68·7	48·4	...	...	...	3	2	...	...	1	3	3	1	1	...	180·6	83·1	...	...	19·3	63·1	99·5	62·7	51·4
Rajshahye	Rampore Beauleah	...	23	22	...	...	...	130·7	116·6	...	...	4	13	4	2	1	7	4	3	1	6	512·3	476·7	100·0	57·7	31·3	87·6	57·7	63·1	41·9	324·0
Rungpore	Rungpore	...	1	2	...	...	...	8·0	15·6	...	...	1	1	..	...	...	...	...	1	...	..	223·2	58·1	...	...	...	...	...	32·9	...	...
Bogra	Bogra	...	5	7	...	...	...	97·5	105·1	...	...	1	2	...	...	...	2	1	2	...	4	379·6	202·3	...	...	..	78·7	48·6	153·3	...	662·4

Pubna ...	Pubna ...	...	6	11	...	...	...	43·7	70·6	...	...	5	1	1	2	1	.	1	3	2	1	654·9	35·7	30·8	78·5	42·3	...	30·8	91·5	102·9	88·3
	Serajganj ...	...	7	9	...	1	...	42·5	38·1	...	307·7	1	2	3	...	3	3	...	2	2	1	96·5	43·5	51·3	...	95·0	42·4	...	46·5	83·3	44·6
Darjeeling ...	Darjeeling	...	1	1	...	...	...	11·3	85·0	..	...	2	...	...	...	...	...	...	...	...	...	859·5	...	...	...	...	...	...	...	...	...
Julpaiguri ...	Julpaiguri ...	...	8	2	...	...	...	98·0	28·5	...	...	2	1	..	1	1	...	4	...	...	1	707·5	70·6	...	72·0	82·0	...	137·9	...	...	165·1
Dacca ...	Dacca ...	...	22	18	...	...	...	28·4	23·8	...	...	6	4	3	4	3	3	4	5	2	6	164·4	28·2	15·7	26·2	21·4	10·2	17·8	31·0	22·0	56·0
	Narainganj ...	...	10	9	...	...	...	82·0	76·0	...	...	5	3	...	1	1	3	2	1	1	2	931·9	136·8	...	45·8	49·5	58·4	48·6	37·3	66·5	159·3
Faridpore ...	Faridpore ...	...	1	1	...	...	..	9·7	10·7	..	...	...	...	...	..	...	...	...	1	...	1	...	...	...	..	...	...	...	44·6	...	70·2
Backerganj ...	Burisal ...	...	5	5	...	1	...	43·0	35·3	...	7,2·3	1	2	...	1	..	...	3	3	...	1	265·3	122·2	...	45·7	...	...	62·5	102·6	...	91·7
Mymensing ...	Nasirabad ...	...	3	2	...	...	...	20·3	14·7	...	...	2	2	...	...	..	...	..	1	...	...	470·6	104·7	...	...	...	...	..	29·5	...	...
Chittagong ...	Chittagong ...	1	2	3	...	...	65·3	17·9	16·2	...	...	2	...	..	...	...	1	...	..	1	2	184·7	...	...	...	...	11·2	...	...	47·9	130·7
Noakhali ...	Sudharam ...	...	1	1	...	...	...	20·3	20·6	...	..	...	1	1	...	...	...	...	...	...	...	...	146·1	106·1	...	...	...	...	...	...	...
Tipperah ...	Comillah ...	...	2	3	...	...	...	17·5	21·1	...	...	1	..	...	...	1	...	1	1	1	..	175·1	...	...	...	41·3	...	26·1	39·6	64·9	...
Patna ...	Patna City ...	...	65	20	...	...	...	28·4	25·4	...	..	11	14	7	3	1	6	5	10	5	23	132·7	49·9	21·6	10·8	4·7	10·8	11·2	27·6	18·4	86·6
	Behar ...	...	9	2	...	...	...	13·9	6·8	...	...	..	3	..	2	...	1	..	...	3	2	...	26·9	...	21·7	...	6·1	...	...	43·1	28·9
Gya ...	Gya ...	...	47	20	...	...	...	40·7	64·7	...	...	17	14	5	1	4	2	3	3	4	14	493·9	114·6	37·2	7·7	39·7	7·1	12·3	16·0	31·6	141·4
Shahabad ...	Arrah ...	...	27	5	...	...	...	45·3	21·0	...	...	7	3	2	1	3	...	4	1	1	5	282·6	93·8	20·3	11·8	49·5	...	32·3	11·1	16·8	90·2
	Buxar ...	...	7	...	...	...	...	26·2	...	...	...	2	1	...	..	..	1	2	...	...	1	250·6	30·2	...	..	...	16·3	34·2	...	...	48·1
Mozufferpore ...	Mozufferpore	...	13	2	...	...	..	22·5	8·3	...	..	6	1	1	...	...	2	1	1	2	1	326·7	12·9	11·6	...	...	12·1	7·5	10·4	32·0	21·4
Durbhanga ...	Durbhanga	...	11	10	...	...	...	11·8	29·6	...	.	5	6	2	1	...	1	...	3	1	2	167·0	41·0	13·3	9·4	...	3·9	...	21·0	11·9	32·6
Sarun ...	Chupra ...	...	30	9	...	...	...	39·3	33·3	.	..	19	4	1	1	1	1	3	1	4	5	663·4	40·3	8·7	10·4	15·0	5·8	20·0	8·6	50·3	76·4
Chumparun ...	Motihari ...	...	5	4	...	...	...	34·6	75·1	...	...	2	3	...	..	...	..	2	...	1	1	759·1	155·9	...	...	...	...	70·2	...	55·7	85·7
Monghyr ...	Monghyr ...	...	45	7	...	...	...	58·3	29·9	...	...	7	12	5	3	4	5	4	1	...	11	245·1	100·3	36·8	27·2	55·1	25·1	23·3	8·2	...	159·5
	Jamalpore	...	12	3	...	...	...	63·5	50·3	...	...	3	2	...	...	1	2	2	...	...	5	439·4	69·3	...	...	64·5	37·1	43·1	...	...	389·8
Bhagulpore ...	Bhagulpore	...	28	8	...	...	...	29·8	22·0	...	...	3	8	3	3	1	1	1	4	6	6	108·7	64·1	22·1	21·5	10·5	4·0	4·7	27·2	61·5	72·5
Purneah ...	Purneah ...	...	4	6	...	...	..	22·7	55·1	...	...	3	...	1	...	...	1	...	5	...	..	551·2	...	32·9	...	...	15·8	...	140·2	...	...
Maldah ...	English Bazar	...	26	16	.	...	...	186·0	131·7	...	..	3	8	8	3	...	6	2	7	1	4	525·8	437·0	277·1	126·3	...	135·9	48·4	247·3	69·5	295·9
Sonthal Pergunnahs.	Deoghur ...	...	14	1	...	...	...	94·5	175·1	...	...	3	2	2	...	..	2	...	2	1	3	1.200·0	180·9	147·3	...	...	55·1	...	111·0	104·2	408·4
Cuttack ...	Cuttack ...	2	23	4	...	...	56·2	35·6	27·0	...	...	9	3	..	1	1	...	3	2	9	1	456·1	41·7	...	12·8	12·9	...	25·5	22·9	151·7	17·7
Poori ...	Poori ...	...	32	..	.	...	...	67·3	...	...	...	1	3	...	...	1	7	6	5	3	6	171·6	86·9	...	...	28·0	68·9	77·0	78·2	69·9	172·8
Balasore ...	Balasore ...	1	10	1	...	...	150·3	30·9	16·9	...	...	6	...	...	...	1	1	2	...	1	1	589·8	...	...	...	30·4	12·7	35·6	...	40·6	44·9
Hazaribagh ...	Hazaribagh	...	5	...	...	...	...	23·6	..	...	...	2	..	...	..	...	...	..	..	1	2	213·6	...	...	...	...	...	...	...	49·0	124·7
Lohardugga ...	Ranchi ...	6	4	...	.	2	210·0	22·6	...	..	44·1	...	2	2	1	...	...	1	1	2	3	...	56·5	47·0	25·7	...	...	16·9	28·6	106·0	192·4
Singbhum ...	Chaibassa ...	..	...	...	...	...	...	..	...	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manbhum ...	Purulia ...	1	2	...	...	...	204·7	13·3	...	...	...	1	1	1	..	...	...	...	...	...	...	293·8	58·4	47·1	...	...	...	...	...	...	...
	TOTAL ...	15	854	33	..	4	57·0	39·4	37·0	...	50·7	207	190	87	60	47	105	115	115	82	195	287·7	70·7	27·3	21·3	19·9	16·7	22·0	3.·8	37·9	106·2

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 24th November 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra, for the month of September 1891.

Date.	River Ganges. Mirzapur. From Allahabad ... 86 miles. Height over zero.	Mirzapur. Height over mean sea-level.	Benares. From Allahabad ... 134 miles. Height over zero.	Benares. From Mirzapur ... 48 miles. Height over mean sea-level.	Buxar. From Benares 90 miles. Height over zero.	Buxar. Height over mean sea-level.	Dinapur. From Benares 177 miles. Height over zero.	Dinapur. From Buxar ... 87 miles. Height over mean sea-level.
1st ...	33.50	239.72	32.50	229.30	26.00	195.05	27.60	161.83
2nd ...	34.33	240.55	33.50	230.30	26.58	195.63	28.00	162.23
3rd ...	34.00	240.22	33.25	230.05	26.67	195.72	28.20	162.43
4th ...	34.00	240.22	33.25	230.05	26.58	195.63	28.10	162.33
5th ...	33.92	240.14	33.00	229.80	26.42	195.47	27.85	162.08
6th ...	34.00	240.22	33.00	229.80	26.25	195.30	27.85	162.08
7th ...	34.00	240.22	33.00	229.80	26.42	195.47	28.00	162.23
8th ...	38.25	244.47	35.00	231.80	26.58	195.63	28.20	162.43
9th ...	40.50	246.72	37.00	233.80	27.33	196.38	29.35	163.58
10th ...	41.00	247.22	39.00	235.80	28.17	197.22	30.25	164.48
11th ...	41.58	247.80	40.00	236.80	28.75	197.80	30.50	164.73
12th ...	40.83	247.05	39.83	236.63	29.00	198.05	30.50	164.73
13th ...	38.83	245.05	37.50	234.30	28.75	197.80	30.10	164.33
14th ...	35.00	241.22	34.50	231.30	27.58	196.63	29.70	163.93
15th ...	32.06	238.30	31.00	227.80	25.50	194.55	28.55	162.78
16th ...	32.58	238.80	31.25	228.05	24.50	193.55	27.25	161.48
17th ...	36.00	242.22	34.00	230.80	25.58	194.63	27.10	161.33
18th ...	38.00	244.22	36.50	233.30	26.83	195.88	28.20	162.43
19th ...	37.50	243.72	37.00	233.80	27.58	196.63	29.15	163.38
20th ...	35.50	241.72	34.00	230.80	27.00	196.05	29.60	163.83
21st ...	32.50	238.72	30.50	227.30	25.50	194.55	29.00	163.23
22nd ...	29.33	235.55	28.00	224.80	23.58	192.63	27.10	161.33
23rd ...	27.50	233.72	26.00	222.80	22.25	191.30	26.20	160.43
24th ...	27.00	233.22	25.00	221.80	21.42	190.47	25.40	159.63
25th ...	26.67	232.89	23.50	220.30	20.83	189.88	25.00	159.23
26th ...	26.25	232.47	23.50	220.30	20.58	189.63	25.00	159.23
27th ...	26.83	233.05	24.75	221.55	20.50	189.55	24.30	158.43
28th ...	29.08	235.30	27.00	223.80	21.17	190.22	24.20	158.43
29th ...	31.91	238.13	29.50	226.30	21.92	190.97	25.45	159.68
30th ...	32.50	238.72	30.75	227.55	22.50	191.55	26.10	160.33

Date.	River Ganges. Monghyr. From Benares 287 miles. Height over zero.	Monghyr. From Dinapur 110 miles. Height over mean sea-level.	Sahebgunge. From Benares 381 miles. Height over zero.	Sahebgunge. From Monghyr 94 miles. Height over mean sea-level.	Rampore Beauleah. From Benares 471 miles. Height over zero.	Rampore Beauleah. From Sahebgunge .. 90 miles. Height over mean sea-level.	Goalundo. From Benares 591 miles. Height over zero.	Goalundo. From Rampore Beauleah ... 120 miles. Height over mean sea-level.
1st ...	20.25	122.10	21.00	89.00	21.00	63.00	19.33	28.27
2nd ...	20.92	122.77	21.00	89.00	20.58	62.58	19.17	28.11
3rd ...	21.33	123.18	21.17	89.17	20.33	62.33	19.00	27.94
4th ...	21.50	123.35	20.83	88.83	20.50	62.50	18.83	27.77
5th ...	21.33	123.18	20.83	88.83	20.75	62.75	18.75	27.69
6th ...	21.08	122.93	20.67	88.67	20.83	62.83	18.67	27.61
7th ...	21.25	123.10	21.50	89.50	20.75	62.75	18.58	27.52
8th ...	21.33	123.18	20.50	88.50	20.67	62.67	18.42	27.36
9th ...	21.53	123.38	20.58	88.58	20.62	62.62	18.25	27.19
10th ...	22.75	124.60	20.92	88.92	21.00	63.00	18.08	27.02
11th ...	23.50	125.35	21.58	89.58	21.42	63.42	18.00	26.94
12th ...	23.83	125.68	22.08	90.08	21.75	63.75	18.17	27.11
13th ...	23.92	125.77	22.42	90.42	22.17	64.17	18.17	27.11
14th ...	23.75	125.60	22.75	90.75	22.42	64.42	18.17	27.11
15th ...	23.17	125.02	22.50	90.50	22.50	64.50	18.08	27.02
16th ...	22.08	123.93	22.08	90.08	22.33	64.33	18.00	26.94
17th ...	21.17	123.02	21.42	89.42	22.00	64.00	18.00	26.94
18th ...	21.00	122.85	20.83	88.83	21.50	63.50	18.08	27.02
19th ...	22.00	123.85	20.75	88.75	21.25	63.25	18.17	27.11
20th ...	22.75	124.60	21.17	89.17	21.25	63.25	18.25	27.19
21st ...	23.17	125.02	21.58	89.58	21.50	63.50	18.25	27.19
22nd ...	22.33	124.18	21.58	89.58	21.67	63.67	18.42	27.36
23rd ...	20.92	122.77	20.92	88.92	21.58	63.58	18.67	27.61
24th ...	19.33	121.18	19.67	87.67	20.54	62.54	18.58	27.52
25th ...	18.42	120.27	18.33	86.33	18.67	60.67	18.25	27.19
26th ...	17.92	119.77	17.58	85.58	17.67	59.67	17.67	26.61
27th ...	17.42	119.27	16.83	84.83	17.50	59.50	17.00	25.94
28th ...	17.00	118.85	16.25	84.25	16.83	58.83	16.50	25.44
29th ...	17.33	119.18	16.25	84.25	16.25	58.25	16.00	24.94
30th ...	18.50	120.35	16.75	84.75	16.75	58.75	15.67	24.61

Date.	River Bhagiruthee. Berhampore. Height over zero.	Berhampore. Height over mean sea-level.	River Jellinghee. Sarupgunge. Height over zero.	Sarupgunge. Height over mean sea-level.	River Brahmapootra. Gowhatty. Height over zero.	Gowhatty. Height over mean sea-level.
1st ...	25.83	59.57	24.50	28.80	20.40	169.16
2nd ...	25.33	59.07	24.33	28.63	20.00	168.76
3rd ...	25.00	58.74	24.08	28.38	19.70	168.46
4th ...	24.83	58.57	24.00	28.30	19.10	167.86
5th ...	24.71	58.45	23.83	28.13	18.90	167.66
6th ...	24.62	58.36	23.67	27.97	18.60	167.36
7th ...	24.54	58.28	23.67	27.97	18.10	166.86
8th ...	24.50	58.24	23.67	27.97	18.50	167.26
9th ...	24.46	58.20	23.67	27.97	18.80	167.56
10th ...	24.42	58.16	23.58	27.88	18.90	167.66
11th ...	24.46	58.20	23.50	27.80	18.70	167.46
12th ...	24.83	58.57	23.50	27.80	18.60	167.36
13th ...	25.25	58.99	23.42	27.72	18.50	167.26
14th ...	25.42	59.16	23.50	27.80	18.30	167.06
15th ...	25.50	59.24	23.67	27.97	18.10	166.86
16th ...	25.50	59.24	23.75	28.05	18.00	166.76
17th ...	25.58	59.32	23.92	28.22	18.80	167.56
18th ...	25.25	58.99	24.08	28.38	19.20	167.96
19th ...	24.83	58.57	24.00	28.30	19.50	168.26
20th ...	24.67	58.41	23.92	28.22	19.80	168.56
21st ...	24.50	58.24	23.92	28.22	19.90	168.66
22nd ...	24.58	58.32	23.83	28.13	19.10	167.86
23rd ...	24.50	58.24	23.83	28.13	19.00	167.76
24th ...	24.25	57.99	23.62	27.92	18.80	167.56
25th ...	23.75	57.49	23.58	27.88	17.20	165.96
26th ...	22.75	56.49	23.25	27.55	15.70	164.46
27th ...	21.75	55.49	22.83	27.13	14.10	162.86
28th ...	21.00	54.74	22.08	26.38	13.40	162.16
29th ...	20.33	54.07	21.42	25.72	13.10	161.86
30th ...	19.92	53.66	21.00	25.30	13.00	161.76

CALCUTTA,
The 23rd November 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, BENGAL.

Statements showing quantities of goods carried on Canals in Bengal, classed as Major Works, for the quarter ending 30th June 1891.

ORISSA CIRCLE.

TALDUNDA CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDA CANAL, 27 MILES. MACHGONG „ 4 „

Number of boats and rafts.	DESCRIPTION.		TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
...	1. Cotton raw and manufactured	...	......	......	......	......	......	......
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
...	3. Dyes and tans	...	......	......	......	......	......	......
39	4. Rice or wheat	...	512	......	512	56,520	512	56,520
49	5. Other food-grains	...	......	544	544	15,215	544	15,215
...	6. Hides and skins	...	......	......	......	......	......	......
...	7. Liquors	...	......	......	......	......	......	......
...	8. Metals	...	......	......	......	......	......	......
...	9. Oils	...	......	......	......	......	......	......
...	10. Oilseeds	...	......	......	......	......	......	......
...	11. Provisions	...	......	......	......	......	......	......
...	12. Salt	...	......	......	......	......	......	......
...	13. Spices	...	......	......	......	......	......	......
...	14. Sugar	...	......	......	......	......	......	......
...	15. Tobacco	...	......	......	......	......	......	......
1	16. Building materials	...	......	4	4	32	4	32
65	17. Miscellaneous goods	...	1	804	805	8,976	805	8,976
...	18. Timbers	...	......	......	......	......	......	......
3	19. Firewood	...	......	47	47	160	47	160
...	20. Bamboos	...	......	......	......	......	......	......
4	21. Coal or coke	...	......	13	13	90	13	90
...	22. Jute	...	......	......	......	......	......	......
...	23. Treasure	...	......	......	......	......	......	......
161	Total boat traffic	Tons.	513	1,412	1,925	80,993	1,925	80,993
55	24. Timber in logs	C. ft.	......	2,442	2,442	1,284	2,442	1,284
...	25. Squared timber	...	......	......	......	......	......	......
...	26. Sleepers, broad gauge	...	......	......	......	......	......	......
...	27. Sleepers, metre gauge	...	......	......	......	......	......	......
...	28. Scantlings	...	......	......	......	......	......	......
...	29. Poles	...	......	......	......	......	......	......
...	30. Firewood	...	......	......	......	......	......	......
88	31. Bamboos	C. ft.	......	19,550	19,550	1,183	19,550	1,183
...	32. Reeds	...	......	......	......	......	......	......
143	Total raft traffic	C. ft.	......	21,992	21,992	2,467	21,992	2,467
Boats 161 Rafts 143	GRAND TOTAL	Tons. C. ft.	513	1,412 21,992	1,925 21,992	83,460	1,925 21,992	83,460

KENDRAPARA CANAL SYSTEM.

Length of Canal open, 75 miles.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up	Down.	Total.	Rupees.	Tons.	Rupees.
17	1. Cotton raw and manufactured	...	452	7	459	1,28,000	459	1,28,000
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
1	3. Dyes and tans	... ...	11	......	11	600	11	600
373	4. Rice or wheat	... ...	965	7,038	8,0 3	6,34,380	8,003	6,34,380
58	5. Other food-grains	... ...	682	46	728	23,800	728	23,800
1	6. Hides and skins	... ...	......	57	57	16,000	57	16,000
...	7. Liquors	... ...	......	......	......	......	......	......
...	8. Metal	... ...	......	......	......	......	......	......
8	9. Oils	... ...	129	......	129	14,800	129	14,800
40	10. Oilseeds	... ...	1	1,765	1,766	2,47,400	1,766	2,47,400
4	11. Provisions	... ...	10	2	12	2,700	12	2,700
37	12. Salt	... ...	92	76	168	13,840	168	13,840
46	13. Spices	... ...	1,182	1	1,183	1,61,500	1,183	1,61,500
40	14. Sugar	... ...	1	507	508	28,310	508	28,310
1	15. Tobacco	... ...	......	1	1	140	1	140
11	16. Building materials	... ...	......	122	122	680	122	680
96	17. Miscellaneous goods	... ...	104	534	638	35,190	638	35,190
36	18. Timbers	... ...	......	512	512	14,280	512	14,280
6	19. Firewood	... ...	19	......	19	80	19	80
12	20. Bamboos	... ...	......	10	10	130	10	130
4	21. Coal or coke	... ...	7	30	37	1,110	37	1,110
6	22. Jute	... ...	......	10	10	580	10	580
...	23. Treasure	... .	......	......	......	......	......	......
795	Total boat traffic ...	Tons.	3,655	10,718	14,373	13,23,520	14,373	13,23,520
39	24. Timber in logs ...	C. ft.	......	13,830	13,830	5,160	13,830	5,160
...	25. Squared timber	... ...	......	......	......	......	......	......
...	26. Sleepers, broad gauge	... ...	......	......	......	......	......	......
...	27. Sleepers, metre gauge	... ...	......	......	......	......	......	......
...	28. Scantlings	... ...	......	......	......	......	......	......
...	29. Poles	... ...	......	......	......	......	......	......
...	30. Firewood	... ...	......	......	......	......	......	......
100	31. Bamboos	C. ft.	650	82,432	83,082	5,040	83,082	5,040
...	32. Reeds	... ...	......	......	......	......	......	......
139	Total raft traffic ...	C. ft.	650	96,262	96,912	10,200	96,912	10,200
Boats 795	Grand Total ...	Tons.	3,655	10,718	14,373	13,33,720	14,373	13,33,720
Rafts 139		C. ft.	650	96,262	96,912		96,912	

HIGH LEVEL CANAL, RANGE I.

Length of Canal open, 33 miles.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
9	1. Cotton raw and manufactured ...		......	28	28	7,800	28	7,800
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
...	3. Dyes and tans		......	......	......	......	......	......
123	4. Rice or wheat		380	......	380	24,190	380	24,190
6	5. Other food grains		20	......	20	1,140	20	1,140
...	6. Hides and skins		......	......	......	......	......	......
...	7. Liquors		......	......	......	......	......	......
1	8. Metal		1	......	1	200	1	200
...	9. Oils		......	......	......	......	......	......
13	10. Oilseeds		65	......	65	5,490	65	5,490
7	11. Provisions		1	22	23	1,700	23	1,700
77	12. Salt		......	694	694	56,720	694	56,720
9	13. Spices		......	44	44	12,500	44	12,500
6	14. Sugar		......	35	35	3,000	35	3,000
...	15. Tobacco		......	......	......	......	......	......
46	16. Building materials		155	45	200	3,490	200	3,490
111	17. Miscellaneous goods		301	14	315	5,780	315	5,780
...	18. Timbers		......	......	......	......	......	......
12	19. Firewood		165	......	165	460	165	460
1	20. Bamboos		......	2	2	10	2	10
...	21. Coal or coke		......	......	......	......	......	......
...	22. Jute		......	......	......	......	......	......
...	23. Treasure		......	......	......	......	......	......
421	Total boat traffic ...	Tons	1,088	884	1,972	1,22,480	1,972	1,22,480
6	24. Timber in logs ...	C. ft	13,002	1,728	14,730	4,050	14,730	4,050
...	25. Squared timber ...	...	......	......	......	......	......	......
...	26. Sleepers, broad gauge ...	...	......	......	......	......	......	......
...	27. Sleepers, metre guage ...	...	......	......	......	......	......	......
...	28. Scantlings	...	......	......	......	......	......	......
...	29. Poles	...	......	......	......	......	......	......
...	30. Firewood	...	......	......	......	......	......	......
7	31. Bamboos	C. ft.	......	5,681	5,681	410	5,681	410
...	32. Reeds	...	......	......	......	......	......	......
13	Total raft traffic ...	C. ft.	13,002	7,409	20,411	4,460	20,411	4,460
Boats 421	Grand Total ...	Tons.	1,088	884	1,972	1,26,940	1,972	1,26,940
Rafts 13		C. ft.	13,002	7,409	20,411		20,411	

HIGH LEVEL, RANGE II.

Length of Canal open, 12½ miles.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
8	1. Cotton raw and manufactured	...	......	3	3	170	3	170
...	2. Woollen goods raw and manufactured	...	......	......	......	......	......	......
...	3. Dyes and tans	...	......	......	......	......	......	......
3	4. Rice or wheat	...	3	3	6	560	6	560
68	5. Other food-grains	...	155	17	172	9,260	172	9,260
...	6. Hides and skins	...	......	......	......	......	......	......
...	7. Liquors	...	......	......	......	......	......	......
1	8. Metal	...	......	2	2	180	2	180
...	9. Oils	...	......	......	......	......	......	......
9	10. Oilseeds	...	22	2	24	2,400	24	2,400
6	11. Provisions	...	......	17	17	497	17	497
6	12. Salt	...	......	33	33	3,175	33	3,175
1	13. Spices	...	......	4	4	400	4	400
...	14. Sugar	...	......	¼	¼	10	¼	10
...	15. Tobacco	...	......	......	......	......	......	......
6	16. Building materials	...	......	31	31	1,120	31	1,120
24	17. Miscellaneous goods	...	18	54¾	72¾	3,617	72¾	3,617
...	18. Timbers	...	......	......	......	......	......	......
1	19. Firewood	...	......	4	4	90	4	90
...	20. Bamboos	...	......	......	......	......	......	......
...	21. Coal or coke	...	......	......	......	......	......	......
...	22. Jute	...	......	......	......	......	......	......
...	23. Treasure	...	......	......	......	......	......	......
133	Total boat traffic ...	Tons ...	198	171	369	21,479	369	21,479
17	24. Timber in logs ...	C. ft ...	......	7,374	7,374	1,364	7,374	1,364
...	25. Squared timber	...	......	......	......	......	......	......
...	26. Sleepers, broad gauge	...	......	......	......	......	......	......
...	27. Sleepers, metre gauge	...	......	......	......	......	......	......
...	28. Scantlings	...	......	......	......	......	......	......
...	29. Poles	...	......	......	......	......	......	......
...	30. Firewood	...	......	......	......	......	......	......
28	31. Bamboos ...	No. ...	......	50,000	50,000	1,297	50,000	1,297
...	32. Reeds	...	......	......	......	......	......	......
45	Total raft traffic ...	C. ft. ...	......	7,374	7,374	2,661	7,374	2,661
		No. ...	......	50,000	50,000		50,000	
Boats 133	Grand Total ...	Tons ...	198	171	369	24,140	369	24,140
		C. ft. ...	......	7,374	7,374		7,374	
Rafts 45		No. ...	......	50,000	50,000		50,000	

HIGH LEVEL CANAL, RANGE III.

Length of Canal open, 19 *miles*.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
...	1. Cotton raw and manufactured ...		......	......	......	......	......	......
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
...	3. Dyes and tans		......	......	......	......	......	......
...	4. Rice or wheat		......	......	......	......	......	......
52	5. Other food-grains		151	......	151	8,351	151	8,351
...	6. Hides and skins		......	......	......	......	......	......
...	7. Liquors		......	......	......	......	......	......
...	8. Metal		......	......	......	......	......	......
1	9. Oils		2	......	2	248	2	248
...	10. Oilseeds		......	......	......	......	......	......
...	11. Provisions		......	......	......	......	......	......
4	12. Salt		5	1	6	708	6	708
...	13. Spices		......	......	......	......	......	......
...	14. Sugar		......	......	......	......	......	......
...	15. Tobacco		......	......	......	......	......	......
1	16. Building materials		......	5	5	60	5	60
18	17. Miscellaneous goods		20	34	54	5,040	54	5,040
...	18. Timbers		......	......	......	......	......	......
...	19. Firewood		......	......	......	......	......	......
...	20. Bamboos		......	......	......	......	......	......
...	21. Coal or coke		......	......	......	......	......	......
...	22. Jute		......	......	......	......	......	......
...	23. Treasure		......	......	......	......	......	......
71	Total boat traffic ...	Tons	178	40	218	14,407	218	14,407
2	24. Timber in logs ...	C. ft.	......	318	318	22	318	22
...	25. Squared timber ...	...	......	......	......	......	......	......
...	26. Sleepers, broad gauge ...	...	......	......	......	......	......	......
...	27. Sleepers, metre gauge ...	...	......	......	......	......	......	......
...	28. Scantlings	...	......	......	......	......	......	......
...	29. Poles	...	......	......	......	......	......	......
...	30. Firewood	...	......	......	......	......	......	......
4	31. Bamboos	No.	......	450	450	20	450	20
...	32. Reeds	...	......	......	......	......	......	......
6	Total raft traffic ...	C. ft. No.	....	318 450	318 450	42	318 450	42
Boats 71 Rafts 6	Grand Total ...	Tons C. ft. No.	178	40 318 450	218 318 450	14,449	218 318 450	14,449

JAJEPORE CANAL.

Length of Canal open, 6½ miles.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
1	1. Cotton raw and manufactured ...		......	¼	¼	60	¼	60
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
...	3. Dyes and tans		......	......	......	......	......	......
...	4. Rice or wheat		......	......	......	......	......	......
5	5. Other food-grains		......	6	6	413	6	413
...	6. Hides and skins		......	......	......	......	......	......
...	7. Liquors		......	......	......	......	......	......
...	8. Metal		......	......	......	......	......	......
1	9. Oils		2	......	2	120	2	120
1	10. Oilseeds		......	2	2	224	2	224
1	11. Provisions		......	1	1	100	1	100
...	12. Salt		......	......	......	......	......	......
...	13. Spices		......	......	......	......	......	......
1	14. Sugar		......	½	½	60	½	60
...	15. Tobacco		......	......	......	......	......	......
1	16. Building materials		......	9	9	20	9	20
6	17. Miscellaneous goods		3	24	27	2,680	27	2,680
...	18. Timbers		......	......	......	......	......	......
1	19. Firewood		......	7	7	14	7	14
...	20. Bamboos		......	......	......	......	......	......
...	21. Coal or coke		......	......	......	......	......	......
...	22. Jute		......	......	......	......	......	......
...	23. Treasure		......	......	......	......	......	......
18	Total boat traffic ...	Tons	5	49¾	54¾	3,681	54¾	3,681
30	24. Timber in logs ...	C. ft.	......	6,708	6,708	1,436	6,708	1,436
...	25. Squared timber		......	......	......	......	......	......
...	26. Sleepers, broad gauge		......	......	......	......	......	......
...	27. Sleepers, metre gauge		......	......	......	......	......	......
...	28. Scantlings		......	......	......	......	......	......
...	29. Poles		......	......	......	......	......	......
...	30. Firewood		......	......	......	......	......	......
18	31. Bamboos	No.	......	18,796	18,796	471	18,796	471
...	32. Reeds		......	......	......	......	......	......
48	Total raft traffic...	C. ft.	......	6,708	6,708	1,907	6,708	1,907
		No.	......	18,796	18,796		18,796	
Boats 18	Grand Total ...	Tons	5	49¾	54¾	5,588	54¾	5,588
		C. ft.	......	6,708	6,708		6,708	
Rafts 48		No.	......	18,796	18,796		18,796	

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

Length of Canal open, 53 *miles*.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
31	1. Cotton raw and manufactured ...		249	9	258	4,68,083	258	4,68,083
...	2. Woollen goods raw and manufactured.		......	......	......	......	......	......
3	3. Dyes and tans		......	28	28	793	28	793
482	4. Rice or wheat		51	4,352	4,403	2,99,972	4,403	2,99,972
1,007	5. Other food-grains		650	4,544	5,194	2,44,498	5,194	2,44,498
7	6. Hides and skins		......	77	77	29,140	77	29,140
...	7. Liquors		1	......	1	1,350	1	1,350
8	8. Metal		92	9	101	30,489	101	30,489
64	9. Oils		401	3	404	52,538	404	52,538
44	10. Oilseeds		87	760	847	1,13,434	847	1,13,434
57	11. Provisions		180	417	597	35,719	597	35,719
245	12. Salt		2,501	......	2,501	2,47,861	2,501	2,47,861
6	13. Spices		262	......	262	63,738	262	63,738
30	14. Sugar		127	112	239	43,814	239	43,814
38	15. Tobacco		296	2	298	51,857	298	51,857
43	16. Building materials		27	724	751	3,839	751	3,839
270	17. Miscellaneous goods		694	394	1,088	1,10,230	1,088	1,10,230
...	18. Timbers		......	......	......	......	......	......
3	19. Firewood		1	6	7	31	7	31
...	20. Bamboos		......	......	......	......	......	......
29	21. Coal or coke		435	......	435	3,001	435	3,001
1	22. Jute		......	3	3	400	3	400
2	23. Treasure		......	10	10	9,31,600	10	9,31,600
2,355	Total boat traffic ...	Tons.	6,054	11,450	17,504	27,32,337	17,504	27,32,337
12	24. Timber in logs ...	C. ft.	235	652	887	1,811	887	1,811
...	25. Squared timber ...	...	......	......	......	......	......	......
...	26. Sleepers, broad gauge ...	...	......	......	......	......	......	......
...	27. Sleepers, metre gauge ...	...	......	......	......	......	......	......
...	28. Scantlings		......	......	......	......	......	......
42	29. Poles	C. ft.	......	13,656	13,656	5,426	13,656	5,426
...	30. Firewood	...	......	......	......	......	......	......
9	31. Bamboos	C. ft.	......	2,975	2,975	124	2,975	12
...	32. Reeds	...	......	......	......	......	......	......
63	Total raft traffic ...	C. ft.	235	17,283	17,518	7,361	17,518	7,361
Boats 2,355 / 63	Grand Total ...	Tons. / C. ft.	6,054 / 235	11,450 / 17,283	17,504 / 17,518	27,39,698	17,504 / 17,518	27,39,698

HIDGELLEE TIDAL CANAL.

Length of Canal open, 29 miles.

Number of boats and rafts.	Description.	Total Government and Private.				Private.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
...	1. Cotton raw and manufactured ...	......	......	......	......	......	......
...	2. Woollen goods raw and manufactured	......	......	......	......	......	......
...	3. Dyes and tans	......	......	......	......	......	......
...	4. Rice or wheat	......	......	......	......	......	......
...	5. Other food-grains	......	......	......	......	......	......
...	6. Hides and skins	......	......	......	......	......	......
...	7. Liquors	......	......	......	......	......	......
...	8. Metal	......	......	......	......	......	......
...	9. Oils	......	......	......	......	......	......
...	10. Oilseeds	......	......	......	......	......	......
...	11. Provisions	......	......	......	......	......	......
...	12. Salt	......	......	......	......	......	......
...	13. Spices	......	......	......	......	......	......
...	14. Sugar	......	......	......	......	......	......
...	15. Tobacco	......	......	......	......	......	......
...	16. Building materials	......	......	......	......	......	......
...	17. Miscellaneous goods	......	......	......	......	......	......
...	18. Timbers	......	......	......	......	......	......
...	19. Firewood	......	......	......	......	......	......
...	20. Bamboos	......	......	......	......	......	......
...	21. Coal or coke	......	......	......	......	......	......
...	22. Jute	......	......	......	......	......	......
...	23. Treasure	......	......	......	......	......	......
...	Total boat traffic ...	......	......	......	......	......	......
...	24. Timber in logs	......	......	......	......	......	......
...	25. Squared timber	......	......	......	......	......	......
...	26. Sleepers, broad gauge	......	......	......	......	......	......
...	27. Sleepers, metre gauge	......	......	......	......	......	......
...	28. Scantlings	......	......	......	......	......	......
...	29. Poles	......	......	......	......	......	......
...	30. Firewood	......	......	......	......	......	......
...	31. Bamboos	......	......	......	......	......	......
...	32. Reeds	......	......	......	......	......	......
...	Total raft traffic	......	......	......	......	......	......
Boats ... Rafts ...	Grand Total. ...	......	......	......	......	......	......

Note.—The Canal was closed for repairs.

SONE CIRCLE.
PATNA CANAL SYSTEM.
Length of Canal open, 86½ miles.

Number of boats and drafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.
...	1. Cotton raw and manufactured ...	9	4	13	19,250	13	19,250
...	2. Woollen goods raw and manufactured	......	......	......	......	......	......
...	3. Dyes and tans	......	......	......	......	......	......
4	4. Rice or wheat	......	23	23	1,562	23	1,562
93	5. Other food-grains	1	1,097	1,098	81,814	1,098	81,814
2	6. Hides and skins	5	20	25	3,425	25	3,425
...	7. Liquors	......	......	......	......	......	......
...	8. Metal	8	7	15	36,878	15	36,878
1	9. Oils	6	......	6	742	6	742
67	10. Oilseeds	......	993	993	94,048	993	94,048
1	11. Provisions	5	......	5	200	5	200
6	12. Salt	69	21	90	6,577	90	6,577
3	13. Spices	10	......	10	363	10	363
...	14. Sugar	......	......	......	......	......	......
18	15. Tobacco	164	......	164	7,138	164	7,138
5	16. Building materials	24	11	35	518	13	93
71	17. Miscellaneous goods	183	294	477	3,77,690	414	3,70,940
3	18. Timbers	35	......	35	1,710	35	1,710
...	19. Firewood	......	......	......	......	......	......
18	20. Bamboos	180	......	180	5,066	180	5,066
5	21. Coal or coke	31	10	41	550	41	550
...	22. Jute	......	......	......	......	......	......
...	23. Treasure	......	......	......	......	......	......
297	Total boat traffic ... Tons	730	2,480	3,210	6,37,431	3,125	6,36,356
...	24. Timber in logs	1	......	1	220	1	220
...	25. Squared timber	......	14	14	607	14	607
...	26. Sleepers, broad gauge	......	15	15	200	15	200
...	27. Sleepers, metre gauge	......	......	......	......	......	......
...	28. Scantlings	......	......	......	......	......	......
...	29. Poles	......	299	299	3,413	299	3,413
...	30. Firewood	......	62	62	216	62	216
...	31. Bamboos	2	467	469	6,332	469	6,332
...	32. Reeds	......	......	......	......	......	......
...	Total raft traffic ... Tons	3	857	860	10,988	860	10,988
Boats 297 Rafts ...	Grand Total ... Tons	733	3,337	4,070	6,48,419	3,985	6,47,344

ARRAH CANAL SYSTEM.

Length of Canal open, 65 miles.

Number of boats and rafts.	Description.	Total Government and Private.				Private.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
5	1. Cotton raw and manufactured ...	164	1	165	2,22,210	165	2,22,210
...	2. Woollen goods raw and manufactured	......	......	......	......	......	......
...	3. Dyes and tans	......	......	......	......	......	......
15	4. Rice or wheat	54	61	115	8,254	115	8,254
97	5. Other food-grains	14	1,288	1,252	1,08,119	1,252	1,08,119
...	6. Hides and skins	......	......	......	......	......	......
...	7. Liquors	......	......	......	......	......	......
1	8. Metal	29		31	1,03,835	31	1,08,835
...	9. Oils	......	......	......	......	......	......
160	10. Oilseeds	1	2,372	2,373	2,24,505	2,373	2,24,505
...	11. Provisions	......	......	......	......	......	......
121	12. Salt	1,202	......	1,202	1,30,581	1,202	1,30,581
3	13. Spices	36	......	36	2,300	36	2,300
10	14. Sugar	......	88	88	13,990	88	13,990
22	15. Tobacco	102	......	102	10,928	102	10,928
30	16. Building materials	10	323	333	2,052	75	798
151	17. Miscellaneous goods	342	901	1,243	3,56,673	1,186	3,56,753
...	18. Timbers	2	......	2	78	2	78
2	19. Firewood	......	10	10	62	10	62
...	20. Bamboos	......	......	......	......	......	......
13	21. Coal or coke	225	......	225	2,933	10	89
...	22. Jute	......	......	......	......	......	......
...	23. Treasure	......	......	......	......	......	......
650	Total boat traffic ... Tons	2,181	4,996	7,177	11,86,515	6,647	11,81,497
...	24. Timber in logs	......	......	......	......	......	......
...	25. Squared timber	......	......	......	......	......	......
...	26. Sleepers, broad gauge	......	......	......	......	......	......
...	27. Sleepers, metre gauge	......	......	......	......	......	......
...	28. Scantlings	......	......	......	......	......	......
...	29. Poles	......	2,403	2,403	19,482	2,403	19,482
...	30. Firewood	......	186	186	725	186	725
...	31. Bamboos	......	1,968	1,968	22,675	1,968	22,675
...	32. Reeds	......	......	......	......	......	......
...	Total raft traffic ... Tons	......	4,557	4,557	42,882	4,557	42,882
Boats 650 Rafts ...	Grand Total ... Tons	2,181	9,553	11,734	12,29,397	11,204	12,24,379

BUXAR CANAL SYSTEM.

Length of Canal open, 67 *miles.*

Number of boats and rafts.	Description.	Total Government and Private. Quantity—Tons. Up.	Down.	Total.	Value. Rupees.	Private. Quantity. Tons.	Value. Rupees.
1	1. Cotton raw and manufactured ...	9	......	9	1,200	9	1,200
1	2. Woollen goods raw and manufactured	5	......	5	50	5	50
...	3. Dyes and tans	......	......	......	......	......	......
65	4. Rice or wheat	90	1,027	1,117	76,053	1,117	76,053
74	5. Other food-grains	1	1,015	1,016	76,103	1,016	76,103
...	6. Hides and skins	......	......	......	......	......	......
...	7. Liquors	......	......	......	......	......	......
...	8. Metal	1	......	1	855	1	855
...	9. Oils	......	......	......	......	......	......
59	10. Oilseeds	54	1,060	1,114	90,693	1,114	90,693
...	11. Provisions	......	......	......	......	......	......
...	12. Salt	1	......	1	138	1	138
...	13. Spices	......	......	......	......	......	......
31	14. Sugar	7	320	327	31,671	327	31,671
4	15. Tobacco	26	......	26	1,600	26	1,600
87	16. Building materials	161	779	940	2,873	57	303
25	17. Miscellaneous goods	181	141	322	79,235	322	79,235
1	18. Timbers	1	......	1	31	1	31
1	19. Firewood	......	9	9	27	9	27
...	20. Bamboos	......	......	......	......	......	......
17	21. Coal or coke	187	......	187	1,638	......	......
...	22. Jute	......	......	......	......	......	......
...	23. Treasure	2	1	3	1,03,815	3	1,03,815
366	Total boat traffic ... Tons	726	4,352	5,078	4,65,982	4,008	4,61,779
...	24. Timber in logs	......	......	......	......	......	......
...	25. Squared timber	......	183	183	1,853	183	1,853
...	26. Sleepers, broad gauge	......	......	......	......	......	......
...	27. Sleepers, metre gauge	......	......	......	......	......	......
...	28. Scantlings	......	......	......	......	......	......
...	29. Poles	......	798	798	8,027	798	8,027
...	30. Firewood	......	42	42	275	42	275
...	31. Bamboos	......	1,102	1,102	13,575	1,102	13,575
...	32. Reeds	......	......	......	......	......	......
...	Total raft traffic ... Tons	......	2,125	2,125	23,730	2,125	23,730
Boats 366 Rafts ...	Grand Total ... Tons	726	6,477	7,203	4,89,712	6,133	4,85,509

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Major Works for the quarter ending 30*th June* 1891, *as compared with that of the corresponding quarter of the previous year.*

Canals.	Tollage, 1891-92.		Tollage, 1890-91.	
	During the quarter.	To end of the quarter.	During the quarter.	To end of the quarter.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Orissa Circle.				
Taldunda Canal System ...	568 4 6	568 4 6	1,055 15 2	1,055 15 2
Kendrapara ditto ...	17,142 4 8	17,142 4 8	12,965 15 2	12,965 15 2
High Level, Range I ...	1,517 9 9	1,517 9 9	1,797 3 3	1,797 3 3
Ditto " II ...	360 14 9	360 14 9	865 1 0	865 1 0
Ditto " III ...	224 14 0	224 14 0	595 6 3	595 6 3
Jajepore Canal	45 4 4	45 4 4	36 11 10	36 11 10
Total Orissa Circle ...	19,859 4 0	19,859 4 0	17,316 4 8	17,316 4 8
South-Western Circle.				
Midnapore Canal	19,623 9 9	19,623 9 9	30,322 10 6	30,322 10 6
Hidgellee Tidal Canal ...	...	......	4,950 12 0	4,950 12 0
Total South-Western Circle ...	19,623 9 9	19,623 9 9	35,273 6 6	35,273 6 6
Sone Circle.				
Patna Canal System ...	4,416 2 3	4,416 2 3	6,722 0 2	6,722 0 2
Arrah ditto	7,622 9 9	7,622 9 9	6,179 14 3	6,179 14 3
Buxar ditto	3,340 13 6	3,340 13 6	2,900 2 0	2,900 2 0
Total Sone Circle ...	15,379 9 6	15,379 9 6	15,802 0 5	15,802 0 5
Grand Total ...	54,862 7 3	54,862 7 3	68,391 11 7	68,391 11 7

Government Transport Service.

Canal.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the quarter.			To end of the quarter.			During the quarter.			To end of the quarter.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
Orissa Circle.												
High Level	1,965	2,362	2,080 0 3	1,965	2,362	2,080 0 3	1,736	2,961	1,981 3 5	1,736	2,961	1,981 3 5
Total Orissa Circle ...	1,965	2,362	2,080 0 3	1,965	2,302	2,080 0 3	1,736	2,961	1,981 3 5	1,736	2,961	1,981 3 5

Total Navigation Receipts.

Canals.	Earnings, 1891-92.		Earnings, 1890-91.	
	During the quarter.	To end of the quarter.	During the quarter.	To end of the quarter.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Orissa Canals	21,939 4 3	21,939 4 3	19,297 8 1	19,297 8 1
Midnapore Canal	19,623 9 9	19,623 9 9	30,322 10 6	30,322 10 6
Hidgellee Tidal Canal ...	... ...	...	4,950 12 0	4,950 12 0
Sone Canals	15,379 9 6	15,379 9 6	15,802 0 5	15,802 0 5
Total ...	56,942 7 6	56,942 7 6	70,372 15 0	70,372 15 0

Calcutta,
The 23*rd November* 1891.

W. A. Inglis,
Offg. Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, BENGAL.

SOUTH-WESTERN CIRCLE.

Statements showing quantities of goods carried on canals in Bengal, classed as Minor Works and Navigation, for the quarter ending 30th June 1891.

CALCUTTA AND EASTERN CANALS.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
10	1. Cotton raw and manufactured ...		......	27	27	12,000	27	12,000
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
...	3. Dyes and tans		......	......	......	......	......	......
1,039	4. Rice or wheat		......	18,526	18,526	18,60,458	18,526	18,60,458
240	5. Other food-grains		......	3,159	3,159	2,21,093	3,159	2,21,093
47	6. Hides and skins		......	71	71	22,710	71	22,710
...	7. Liquors		......	......	......	......	......	......
12	8. Metal		......	150	150	20,610	150	20,610
172	9. Oils		2,396	43	2,439	3,41,625	2,439	3,41,625
286	10. Oilseeds		43	3,686	3,729	3,78,761	3,729	3,78,761
314	11. Provisions		241	821	1,062	59,444	1,062	59,444
541	12. Salt		7,471	1,888	9,359	9,15,189	9,359	9,15,189
218	13. Spices		......	2,309	2,309	6,46,650	2,309	6,46,650
33	14. Sugar		......	124	124	29,070	124	29,070
4	15. Tobacco		11	7	18	3,500	18	3,500
298	16. Building materials		58	11,500	11,558	1,90,753	11,558	1,90,753
2,525	17. Miscellaneous goods		478	9,622	10,100	10,20,752	10,100	10,20,752
...	18. Timbers		......	......	......	......	......	......
741	19. Firewood		......	17,646	17,646	1,23,519	17,646	1,23,519
...	20. Bamboos		......	......	......	......	......	......
240	21. Coal or coke		726	5,567	6,293	43,979	6,293	43,979
270	22. Jute		......	5,952	5,952	7,68,447	5,952	7,68,447
...	23. Treasure		......	......	......	......	......	......
6,990	Total boat traffic ...	Tons	11,424	81,098	92,522	66,58,560	92,522	66,58,560
...	24. Timber in logs ...	C. ft.	......	56	56	140	56	140
1	25. Squared timber ...	..	......	......	......	......	......	......
...	26. Sleepers, broad gauge ...	...	......	......	......	......	......	......
...	27. Sleepers, metre gauge ...	...	......	......	......	......	......	......
...	28. Scantlings ...	...	......	......	......	......	......	......
...	29. Poles	...	......	......	......	......	......	......
...	30. Firewood	...	......	......	......	......	......	......
25	31. Bamboos	C. ft.	......	8,275	8,275	1,034	8,275	1,034
...	32. Reeds	...	......	......	......	......	......	......
26	Total raft traffic ...	C. ft.	......	8,331	8,331	1,174	8,331	1,174
Boats 6,990	GRAND TOTAL ...	Tons	11,424	81,098	92,522	66,59,734	92,522	66,59,784
Rafts 26		C. ft.	......	8,331	8,331		8,331	

TOLLY'S NULLAH.

Number of boats and rafts.	Description.	Total Government and Private.				Private.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
7	1. Cotton raw and manufactured ...	......	70	70	31,600	70	31,600
...	2. Woollen goods raw and manufactured	......	......	......	......	......	......
...	3. Dyes and tans	......	......	......	......	......	......
3,377	4. Rice or wheat	16	16,861	16,877	14,77,857	16,877	14,77,857
146	5. Other food-grains	......	1,438	1,438	1,00,687	1,438	1,00,687
...	6. Hides and skins	......	......	......	......	......	......
...	7. Liquors	......	......	......	......	......	......
6	8. Metals	......	68	68	6,650	68	6,650
139	9. Oils	250	1,109	1,359	1,90,225	1,359	1,90,225
83	10. Oilseeds	60	1,141	1,201	1,25,249	1,201	1,25,249
387	11. Provisions	102	980	1,082	60,580	1,082	60,580
332	12. Salt	2,592	2,149	4,741	4,62,027	4,741	4,62,027
14	13. Spices	......	150	150	42,000	150	42,000
7	14. Sugar	......	34	43	7,700	34	7,700
56	15. Tobacco	36	588	624	1,22,500	624	1,22,500
767	16. Building materials	120	7,249	7,369	32,871	7,369	32,871
1,986	17. Miscellaneous goods	359	6,481	6,840	6,23,297	6,840	6,23,297
...	18. Timbers	......	......	......	......	......	......
254	19. Firewood	5	3,534	3,539	24,769	3,539	24,769
...	20. Bamboos	......	......	......	......	......	......
143	21. Coal or coke	196	2,462	2,658	18,756	2,658	18,756
41	22. Jute	2	747	749	95,732	749	95,732
...	23. Treasure	......	......	......	......	......	......
7,745	Total boat traffic ... Tons	3,738	45,061	48,799	34,22,500	48,799	34,22,500
7	24. Timber in logs C. ft.	1,718	8,886	10,604	26,510	10,604	26,510
...	25. Squared timber	......	......	......	......	......	......
...	26. Sleepers, broad gauge	......	......	......	......	......	......
...	27. Sleepers, metre gauge	......	......	......	......	......	......
...	28. Scantlings	......	......	......	......	......	......
...	29. Poles	......	......	......	......	......	......
...	30. Firewood	......	......	......	......	......	......
25	31. Bamboos ... ... C. ft.	......	7,884	7,884	985	7,884	985
...	32. Reeds	......	......	......	......	......	......
32	Total raft traffic .. C. ft.	1,718	16,770	18,488	27,495	18,488	27,495
Boats 7,745	Grand Total ... Tons	3,738	45,061	48,799	34,49,995	48,799	34,49,995
Rafts 32	C. ft.	1,718	16,770	18,488		18,488	

ORISSA COAST CANAL.

Length of Canal open, 97½ miles.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
23	1. Cotton raw and manufactured	...	61	......	61	69,530	61	69,530
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
...	3. Dyes and tans	...	......	......	......	......	......	......
125	4. Rice or wheat	...	348	1,312	1,660	93,175	1,660	93,175
305	5. Other food-grains	...	57	3,133	3,190	1,15,308	3,190	1,15,308
3	6. Hides and skins	...	......	39	39	5,850	39	5,850
...	7. Liquors	...	......	......	......	......	......	......
3	8. Metals	...	14	......	14	4,200	14	4,200
52	9. Oils	...	435	......	435	47,870	435	47,370
5	10. Oilseeds	...	......	37	37	4,580	37	4,580
5	11. Provisions	...	5	1	6	35	6	35
78	12. Salt	...	905	......	905	98,425	905	98,425
2	13. Spices	...	82	......	82	18,400	82	18,400
61	14. Sugar	...	86	1	87	9,855	87	9,855
70	15. Tobacco	...	202	12	214	50,020	214	50,020
26	16. Building materials	...	103	25	128	1,104	83	984
1,274	17. Miscellaneous goods	...	423	491	914	68,554	913	68,264
...	18. Timbers	...	......	......	......	......	......	......
50	19. Firewood	...	152	88	240	914	240	914
2	20. Bamboos	...	......	2	2	32	2	32
18	21. Coal or coke	...	143	4	147	1,650	143	1,610
3	22. Jute	...	......	8	8	645	8	645
...	23. Treasure	...	......	......	......	......	......	......
2,105	Total boat traffic	Tons	3,016	5,153	8,169	5,89,647	8,119	5,89,197
10	24. Timber in logs	C. ft.	......	589	589	483	589	483
...	25. Squared timber	...	......	......	......	......	......	......
...	26. Sleepers, broad gauge	...	......	......	......	......	......	......
...	27. Sleepers, metre gauge	...	......	......	......	......	......	......
...	28. Scantlings	...	......	......	......	......	......	......
...	29. Poles	...	......	......	......	......	......	......
...	30. Firewood	...	......	......	......	......	......	......
61	31. Bamboos	C. ft.	2,860	4,805	7,665	641	7,665	641
...	32. Reeds	...	......	......	......	......	......	......
71	Total raft traffic	C. ft.	2,860	5,394	8,254	1,124	8,254	1,124
Boats 2,105	Grand Total	Tons ...	3,016	5,153	8,169	5,90,771	8,119	5,89,197
Rafts 71		C. ft. ...	2,860	5,394	8,254		8,254	

NUDDEA RIVERS.

Number of boats and rafts.	Description.		Total Government and Private.				Private.	
			Quantity—Tons.			Value.	Quantity.	Value.
			Up.	Down.	Total.	Rupees.	Tons.	Rupees.
4	1. Cotton raw and manufactured ...		......	45	45	10,380	45	10,380
...	2. Woollen goods raw and manufactured		......	......	......	......	......	......
12	3. Dyes and tans		1	35	36	1,410	36	1,410
328	4. Rice or wheat		1,488	237	1,725	1,23,835	1,725	1,23,835
2,002	5. Other food-grains		3,753	17,468	21,221	12,10,950	21,221	12,10,950
...	6. Hides and skins		......	......	......	......	......	......
2	7. Liquors		½	......	½	480	½	480
36	8. Metal		112	131	243	89,205	243	89,205
98	9. Oils		724	17	741	1,37,393	741	1,37,393
209	10. Oilseeds		83	2,511	2,594	2,84,241	2,594	2,84,241
69	11. Provisions		3	212	215	25,305	215	25,305
438	12. Salt		3,703	5	3,708	3,50,780	3,708	3,50,780
29	13. Spices		6	51	57	7,382	57	7,382
13	14. Sugar		8	36	44	8,706	44	8,706
37	15. Tobacco		8	300	308	64,989	308	64,989
67	16. Building materials		397	421	818	13,913	818	13,913
1,614	17. Miscellaneous goods		7,623	5,116	12,739	26,48,586	12,739	26,48,586
3	18. Timbers		......	18	18	4,125	18	4,125
27	19. Firewood		18	75	93	492	93	492
...	20. Bamboos		......	......	......	......	......	......
28	21. Coal or coke		395	42	437	5,091	437	5,091
232	22. Jute		1	2,547	2,548	2,13,396	2,548	2,13,396
...	23. Treasure		......	......	......	......	......	......
5,238	Total boat traffic	Tons	18,323½	29,267	47,590½	52,00,659	47,590½	52,00,659
27	24. Timber in logs ...	C. ft.	519	3,764	4,283	8,207	4,283	8,207
29	25. Squared timber ...	C. ft.	2,425	7,564	9,989	11,983	9,989	11,983
...	26. Sleepers, broad gauge ...	...	......	......	......	......	......	......
...	27. Sleepers, metre gauge ...	...	......	......	......	......	......	......
...	28. Scantlings	...	......	......	......	......	......	......
...	29. Poles	...	......	......	......	......	......	......
...	30. Firewood	...	......	......	......	......	......	......
27	31. Bamboos	C. ft.	397	5,814	6,211	268	6,211	268
...	32. Reeds	...	......	......	......	......	......	......
83	Total raft traffic ...	C. ft.	3,341	17,142	20,483	20,458	20,483	20,458
Boats 5,238	Grand Total ...	Tons	18,323½	29,267	47,590½	52,21,117	47,590½	52,21,117
Rafts 83		C. ft.	3,341	17,142	20,483		20,483	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal, classed as Minor Works and Navigation, for the quarter ending 30th June 1891, as compared with that of the corresponding quarter of the previous year.

Canals.		Tollage, 1891-92.						Tollage, 1890-91.					
		During the quarter.			To end of the quarter.			During the quarter.			To end of the quarter.		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals	...	58,818	5	6	58,818	5	6	51,918	0	9	51,918	0	9
Tolly's Nullah ...	...	25,910	1	0	25,910	1	0	23,687	7	9	23,687	7	9
Total	...	84,728	6	6	84,728	6	6	75,605	8	6	75,605	8	6
Orissa Coast Canal ...	...	14,182	7	3	14,182	7	3	17,496	0	0	17,493	0	0
Nuddea Rivers ...	...	27,036	8	6	27,036	8	6	22,791	7	6	22,791	7	6
Grand Total	...	1,25,947	6	3	1,25,947	6	3	1,15,893	0	0	1,15,893	0	0

CALCUTTA,
The 23rd November 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 21st November 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.			Week ending Saturday, the 21st November 1891.			Week ending Saturday the 22nd November 1890.		
			Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
			No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	...	...	359	82,150	1,347	395	73,725	1,152
Jute	...	...	281	1,07,950	1,965	440	2,45,925	4,294
Firewood	...	...	131	79,625	1,205	181	75,900	1,137
Other articles	...	...	1,151	2,70,930	4,372	1,176	3,03,225	4,360
Total		...	1,922	5,40,655	8,889	2,192	6,98,775	10,943

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 14th November 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*292,399	*3,86,256 12 0	24,27,060 10	5,98,922 13 0	14,992 4 0	10,00,171 13 0	74,652½	91,794¾	166,447¼
Or per mile of railway ...	......	253 3 2	.....	392 9 9	9 13 8	655 10 2	......	......	.....
For previous 19 weeks of half-year	4,611,570	48,59,149 15 0	4,21,49,066 0	99,32,868 12 0	2,96,156 13 0	1,50,88,175 8 0	1,325,240	1,712,900½	3,038,140½
Total for 20 weeks ...	4,903,969	52,45,406 11 0	4,45,77,046 10	1,05,31,791 9 0	3,11,149 1 0	1,60,88,347 5 0	1,399,892½	1,804,695	3,204,587½
Comparison.									
Total for corresponding week of previous year	208,611½	2,98,113 9 4	18,37,197 20	5,30,841 3 9	16,753 7 6	8,45,708 4 7	72,347	80,912	153,259
Per mile of railway corresponding week of previous year ...	......	195 6 9	......	347 15 8	10 15 8	554 6 1	......	......	.....
Total to corresponding date of previous year	4,505,605½	45,86,124 4 11	3,07,86,377 20	87,21,980 6 1	3,09,174 11 4	1,39,17,279 6 4	1,295,519	1,513,019	2,808,538

* The heavy increase in coaching traffic is due to "Rash Poornima," Sonepur fair, and total eclipse of the moon.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th November 1891, on 57⅛ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*24,995	*13,954 15 0	52,285 20	3,408 9 0	34 0 0	17,487 8 0	2,051	951	3,002
Or per mile of railway	437	243 15 6	914 10	61 2 7	0 9 6	305 11 7	......	......	......
For previous 19 weeks of half-year	†242,560	†1,33,297 1 0	‡8,83,301 0	‡57,526 14 0	§657 0 0	1,91,480 15 0	25,849	12,568	38,417
Total for 20 weeks ...	267,555	1,47,252 0 0	9,35,586 20	61,025 7 0	691 0 0	2,08,968 7 0	27,900	13,519	41,419
Comparison.									
Total for corresponding week of previous year	11,462	6,417 0 11	44,531 30	2,857 0 0	48 7 0	9,322 7 11	1,683	711	2,394
Per mile of railway corresponding week of previous year ..	200½	112 3 0	778 30	49 15 2	0 13 6	162 15 8	......	......	......
Total to corresponding date of previous year	‖253,392	‖1,41,583 3 1	¶6,70,104 30	¶44,360 13 0	**1,136 1 9	1,87,085 1 10	26,433	11,510	37,943

* The heavy increase in coaching traffic is due to "Rash Poornima," Sonepur fair and total eclipse of the moon.
† Added number of passengers 13,289 and Rs. 9,530 0 0 }
‡ Ditto maunds 21,162 " " 171 0 0 } on account of differences between the approximate and audited returns from week ended 5th to 26th September 1891.
§ Deducted " " 41 0 0 }
‖ Added number of passengers 535½ " " 367 15 6 }
¶ Ditto maunds 38 " " 1 9 0 } on account of supplemental returns to 30th September 1890.
** Ditto " " 415 15 0 }

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 14th November 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*21,713	*5,639 1 0	13,373 10	691 4 0	7 0 9	6,337 5 0	887	189	1,076
Or per mile of railway ...	......	253 7 1	......	31 1 1	0 5 0	284 13 2	......	......	......
For previous 19 weeks of half-year	†333,917	†81,785 14 0	‡1,33,259 30	‡5,035 9 0	§120 0 0	86,941 7 0	16,731	1,793	18,524
Total for 20 weeks ...	355,630	87,424 15 0	1,46,633 0	5,726 13 0	127 0 0	93,278 12 0	17,618	1,982	19,600
Comparison.									
Total for corresponding week of previous year	15,718½	3,852 11 1	11,747 10	483 10 0	12 14 0	4,349 3 1	877	91	698
Per mile of railway, corresponding week of previous year ...	......	173 2 6	......	21 11 9	0 9 3	195 7 6	......	......	......
Total to corresponding date of previous year	336,802½	82,616 4 1	1,35,385 30	4,907 3 0	‖356 8 2	87,879 15 3	17,978	1,057	19,030

* The heavy increase in coaching traffic is due to "Rash Poornima," Sonepur fair and total eclipse of the moon.
† Added number of passengers 2,248 and Rs. 83 0 0 }
‡ Ditto maunds 11,475 " " 205 0 0 } on account of differences between the approximate and audited returns from week ended 5th to 26th September 1891.
§ Deducted " 2 0 0 }
‖ Added " 230 10 11 on account of supplemental return to 30th September 1890.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 14th November 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	19,702	17,166 8 0	43,629 30	10,540 0 0	63 0 0	27,769 8 0	6,708½	1,607¾	8,316¼
Or per mile of railway	......	105 15 5	......	65 1 0	0 6 3	171 6 8	......	......	......
For previous 19 weeks of half-year	*268,129	*2,13,040 12 0	†7,20,200 10	†1,45,427 9 0	‡1,146 0 0	3,59,614 5 0	115,455¾	27,627	143,082¾
Total for 20 weeks ...	287,831	2,30,207 4 0	7,63,830 0	1,55,967 9 0	1,209 0 0	3,87,383 13 0	122,164¼	29,234¾	151,399
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

* Added number of passengers 2,180 and Rs. 1,455 0 0 }
† Ditto maunds 2,647 „ 524 0 0 } on account of differences between the approximate and audited returns from week ended 5th to 26th September 1891.
‡ Ditto „ 27 0 0 }

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 14th November 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	176,214	92,270 0 0	5,57,214 0	1,53,330 0 0	14,950 0 0	2,60,550 0 0	26,000	37,828	63,828
Or per mile of railway	227	119 0 0	717 0	197 0 0	*1 0 0	317 0 0	......	......	......
For previous 19 weeks of half-year	2,924,782	13,06,090 0 0	1,21,13,903 0	28,80,719 0 0	2,42,721 0 0	44,29,530 0 0	493,900	647,646	1,141,546
Total for 20 weeks ...	3,100,996	13,98,360 0 0	1,26,71,117 0	30,34,049 0 0	2,57,671 0 0	46,90,080 0 0	519,900	685,474	1,205,374
Comparison.									
Total for corresponding week of previous year	129,228	72,201 0 0	6,79,868 0	1,75,539 0 0	19,644 0 0	2,67,384 0 0	25,363	41,651	67,014
Per mile of railway corresponding period of previous year ...	169	95 0 0	891 0	230 0 0	*2 0 0	327 0 0	...	...	...
Total to corresponding date of previous year	2,773,742	12,21,875 0 0	1,23,95,717 0	30,11,943 0 0	3,46,200 0 0	45,80,018 0 0	477,101	668,900	1,146,001

* Excluding steamer's earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 14th November 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	30,485	12,720 0 0	38,740 0	3,140 0 0	30 0 0	15,890 0 0	4,000	1,733	5,733
Or per mile of railway	244	102 0 0	310 0	25 0 0	0 0 0	127 0 0	......	....	.....
For previous 19 weeks of half-year	499,910	1,69,455 0 0	9,61,227 0	76,356 0 0	4,647 0 0	2,50,457 0 0	68,583	37,736	106,319
Total for 20 weeks ...	530,395	1,82,175 0 0	9,99,967 0	79,496 0 0	4,677 0 0	2,66,347 0 0	72,583	39,469	112,052
Comparison.									
Total for corresponding week of previous year	23,636	9,515 0 0	46,850 0	3,842 0 0	553 0 0	13,910 0 0	3,890	1,950	5,840
Per mile of railway corresponding week of previous year ...	189	76 0 0	367 0	31 0 0	4 0 0	111 0 0	......	.....	.....
Total to corresponding date of previous year	495,926	1,64,751 0 0	8,30,099 0	67,469 0 0	3,450 0 0	2,35,610 0 0	71,794	36,819	108,613

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 14th November 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	10,139	6,660 0 0	29,561 0	3,210 0 0	90 0 0	9,960 0 0	2,887	907	3,794
Or per mile of railway	223	78 0 0	344 0	37 0 0	1 0 0	116 0 0	......	......	......
For previous 19 weeks of half-year	317,306	99,138 0 0	3,47,101 0	27,668 0 0	2,918 0 0	1,20,724 0 0	51,059	14,824	65,883
Total for 20 weeks ...	326,445	1,05,798 0 0	3,76,662 0	30,878 0 0	3,008 0 0	1,30,684 0 0	53,946	15,781	69,677
Comparison.									
Total for corresponding week of previous year	14,216	5,128 0 0	42,405 0	3,190 0 0	74 0 0	8,392 0 0	2,422	1,647	4,069
Per mile of railway corresponding period of previous year	165	60 0 0	493 0	37 0 0	1 0 0	98 0 0	......	......	......
Total to corresponding date of previous year	298,379	97,070 0 0	4,16,264 0	36,440 0 0	5,561 0 0	1,39,071 0 0	47,685	16,901	64,586

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 14th November 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,936	1,050 0 0	2,283 0	160 0 0	10 0 0	1,220 0 0	546	525	1,071
Or per mile of railway	108	39 0 0	84 0	6 0 0	. ...	45 0 0	......	......	......
For previous 19 weeks of half-year	54,987	19,552 0 0	1,95,069 0	10,182 0 0	331 0 0	30,065 0 0	9,733	9,153	18,886
Total for 20 weeks ..	57,923	20,602 0 0	1,97,352 0	10,342 0 0	341 0 0	31,285 0 0	10,279	9,678	19,957
Comparison.									
Total for corresponding week of previous year .. .	2,787	903 0 0	7,011 0	462 0 0	24 0 0	1,389 0 0	546	599	1,145
Per mile of railway corresponding week of previous year ...	102	33 0 0	290 0	17 0 0	1 0 0	51 0 0	......	......	.....
Total to corresponding date of previous year	59,857	21,011 0 0	2,06,551 0	10,932 0 0	327 0 0	32,270 0 0	10,718	11,405	22,123

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 7th November 1891, on 739 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated) including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 739 miles open	74,400	31,120	3,57,340	35,030	5,970	72,120	12,446	13,745	26,191
Or per mile of railway	100·68	42·11	348·23	47·40	8·08	97·59	.....	. ..	......
For previous 17¾ weeks of half-year	1,395,504	5,45,475	50,05,508	5,89,254	1,49,420	(a) 12,84,149	217,090	246,259	(a)463,349
Total for 18¾ weeks ...	1,469,904	5,76,595	53,62,848	6,24,284	1,55,390	13,56,269	229,536	260,004	489,540
Comparison.									
Total for corresponding week of previous year on 691 miles open	86,572	29,583	(b) 3,72,310	50,762	6,704	87,049	13,000	15,137	28,137
Per mile of corresponding week of previous year	125·29	42·81	538·80	73·46	9·70	125·97	......	......	......
Total to corresponding date of previous year	1,418,630	5,08,381	48,75,011	6,01,440	1,19,529	12,29,350	221,064	234,798	455,862

(a) Includes audited figures up to 26th September 1891.
(b) Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 7th November 1891.	Week ending 8th November 1890.	Week ending 7th November 1891.	Week ending 8th November 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	14,020 0 0	13,681 0 0	17,100 0 0	15,902 0 0
Goods	13,100 0 0	15,908 0 0	21,930 0 0	34,855 0 0
Other earnings	3,500 0 0	4,220 0 0	2,470 0 0	2,483 0 0
Total ...	30,620 0 0	33,809 0 0	41,500 0 0	53,240 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 31st October 1891	14,006	0	0
Corresponding period of 1890	12,685	0	0
Increase	1,321	0	0
Receipts per mile for week ending 31st October 1891	274	10	0
Corresponding period of 1890	248	11	7
Increase	25	14	5
Receipts from 1st July to 31st October 1891	2,02,319	0	0
Corresponding period of 1890	1,96,119	0	0
Increase	6,200	0	0

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CONTENTS.

ACTION TAKEN UPON THE RECOMMENDATIONS OF THE POLICE REFORM COMMITTEE.

No. 4226J.

RESOLUTION.

POLICE.

Motihari, the 28th November 1891.

READ—

Resolution of this Government, dated 24th September 1891, appointing a Committee consisting of Mr. J. Beames, C.S., Mr. J. F. Stevens, C.S., and Mr. J. C. Veasey, C.S., to collect information regarding the reform of the Police in these Provinces.

Read also—

Letters Nos. 27, 31 and 35, dated 1st, 5th, and 19th December 1890, adding Raja Peary Mohan Mookerjee, C.S.I., Mr. E. R. Macnaghten and Mr. H. H. Risley, C.S., to the Committee, and appointing Mr. Risley as Secretary.

Read also—

The Report of the Committee.

In the Resolution cited in the preamble, it was stated that the Lieutenant-Governor, after examining, in compliance with the instructions of the Government of India, the statistics of crime cognizable by the Police reported and disposed of in Bengal during the years 1878—1888, had come to the conclusion that although crime generally was not positively great in Bengal and was decreasing relatively to the increase of population, yet certain offences showed a tendency to increase; that an unduly large proportion of the crime actually occurring was not brought to the notice of the Police or of the Magistrates and was therefore never enquired into; that the Police enquiry into a large number

of the cases taken up was fruitless, such cases never coming before the Courts, and that a disproportionable number of the persons brought before the Courts were acquitted. The Governor-General in Council, on considering the special reports of this and the other Local Governments on the subject, thought it advisable not to appoint a General Commission to investigate the problem of Police reform throughout India, for the reason that the conditions under which the administration of different Provinces is carried on vary so much that practical results are likely to be attained only by concentrating attention on local circumstances and requirements. It was accordingly left to the Lieutenant-Governor, if he should see fit, to convene a Provincial Committee. Being of opinion that it was evidently necessary to enquire minutely into the causes of the imperfections admitted to exist, and to ascertain by what means whether legislative or executive, remedies capable of being made practically effective could be devised and applied, Sir Steuart Bayley decided to appoint a Committee, consisting of experienced officials from both the Executive and Judicial branches of the service, and of gentlemen representing the views of the public. Mr. J. Beames, Commissioner of Bhagulpur, who was appointed the President of the Committee, entered upon his duties on the 20th August 1891. Mr. J. F. Stevens, Judge of Gya, and Mr. J. C. Veasey, Inspector-General of Police, joined him at the beginning of October. Raja Peary Mohun Mukherjea, a large zemindar, was added to the Committee on the 1st December, Mr. E. R. Macnaghten, Secretary of the Behar Planters' Association, joined it on the 16th idem, and Mr. H. H. Risley, C.S., acted as Member and Secretary from the 17th idem. After examining a number of witnesses, and discussing the written and oral evidence and other materials before them, the Committee submitted their Report on the 26th February 1891.

2. Since the receipt of the Report, which is signed unanimously, the Government of Bengal has fully considered the numerous recommendations made by the Committee; a number of the suggestions have already been acted upon, and the Lieutenant-Governor has been taking steps to carry out those remaining which have met with his approval. The measures adopted have now advanced to such a stage that what has been done can be conveniently summarised and made public. The ensuing paragraphs, in describing the recommendations and the action taken upon them follow the order of arrangement adopted in the Committee's Report which is divided into three main heads, viz.—I. The Village Police. II. The Regular Police. III. The Criminal Courts.

PART I.—VILLAGE POLICE.

3. The Committee have passed in review the previous essays towards the important and difficult question of improving the Village Police of Bengal, and have examined the working of Act VI (B.C.) of 1870, amended by Act I (B.C.) of 1886, and the systems of chaukidars who are not under that Act. The conclusion of the Committee is that, although chaukidars are better paid than formerly, they are not much, if at all, more useful than they were, and that radical changes in the law affecting both punchayets and chaukidars are necessary before improvement can be expected. The chief proposals made may be classed as follows:—

(*A*).—*Recommendations requiring legislation.*

(*a*). The repeal of the restriction of the minimum of 60 houses in villages, and 80 houses in unions, for the introduction of the Act. The Magistrate should have power to introduce the Act into all villages irrespective of the number of houses they contain, provided that the inhabitants can afford to pay the chaukidar's wages.

(*b*). The number of chaukidars to be employed in any village should not be left to the punchayet entirely as at present, but the determination of the punchayet should be subject to the control of the Magistrate; the minimum of 1 chaukidar for 60 houses, 2 for 150, and one more for every extra 100 houses remaining as before.

(*c*). The rate of pay of the chaukidar between the limits of Rs. 3 and Rs. 6 *per mensem* should be fixed by the Magistrate and not by the punchayet.

(*d*). The supervision over chaukidars should be exercised by an official to be called the Circle Officer (halkadar), who should also collect the chaukidari rate. He should be directly under the orders of the Magistrate of the district,

and should be paid by a levy of 25 per cent. over and above the amount levied for the chaukidar's salary, instead of 15 per cent. as now provided in section 13 of the Act. The collections made by this officer should be paid into the district or sub-divisional treasury.

(e). The provisions of section 50 of the Act should be amended so as to allow of the zemindar contesting the claim of the punchayet to include in the *chakran* area lands which he contends are rent-paying. Section 64 should also be amended so as to give Commissioners control over the proceedings of Collectors under Part II of the Act.

(f). Special provisions for the duties of assessment and supervision in tea gardens in Julpaiguri and elsewhere, where ordinary punchayets cannot be appointed.

The most important of these recommendations is that the Magistrate should be allowed power to introduce the Act into all villages in the province. The Lieutenant-Governor has accepted this, and proposes to divide the inhabited area of the whole country into blocks—each of which should have one or more chaukidars according to its size, and the number and means of its inhabitants. It may be necessary to take power to fix the pay of the chaukidar at Rs. 2 a month in some of the poorer and worst cultivated blocks, but the Lieutenant-Governor expects that this will be only necessary in a few exceptionally situated places. It may also be found desirable in some parts of the country to have only one punchayet for two or more blocks, and this will be provided for in the new law. Provision will also be made for the election of punchayets in such parts of the country as may be fitted for the exercise of this privilege, and where it is desired. The Lieutenant-Governor has been unable to accept the proposal mentioned in clause (d) above, that the collections should be paid into the district or sub-divisional treasury. The disadvantages of this seem to outweigh any possible advantages. It will be necessary to make it clear in the law that any member of a punchayet may, if competent, be appointed collecting officer, that the duties of collection and supervision shall not necessarily be entrusted to the same officer, and also that the amount to be levied in excess of the chaukidars' salaries need not be as much as 25 per cent. in all cases, and will be available for other purposes connected with the administration of the Act, besides the payment of circle and collecting officers. A draft Bill intended to carry out the changes which have been resolved on has been submitted to the Government of India and to the Secretary of State, and permission to introduce it into the Lieutenant-Governor's Council has now been obtained. The draft has been circulated for opinion to all local officers and the various associations representing classes interested in the subject, and any recommendations made by them will be considered before the Bill is introduced. Besides the changes mentioned above, based on the recommendations of the Committee, the draft contains the following provisions:—

(a). The extension of the powers of arrest by a chaukidar so as to bring the law into accordance with the general practice.

(b). The extension of the power of the Local Government to issue rules for the guidance of Magistrates and others exercising powers under the Act.

It also contains some minor changes which need not be detailed here.

It is recommended by the Committee that the duty of reporting vital statistics, epidemics, state of crops, &c., should be transferred from the chaukidar to the punchayet, who should send a written report by the chaukidar when he goes to the police-station to attend muster-parade, or by post when more convenient. The Lieutenant-Governor is inclined to agree to this proposal. It has not been incorporated in the Bill, but on the receipt of replies from those consulted, His Honour will consider the propriety of introducing a provision to give effect to this recommendation.

(*B*)—*Recommendations to be carried out by executive order.*

(a). The Committee are of opinion that the rate of pay of the chaukidar, between the limits of Rs. 3 and Rs. 6 per mensem, varies very unfairly and in many places is not fixed with reference to the rates of wages of unskilled labour, cost of living and other local circumstances. The Lieutenant-Governor has caused enquiries to be instituted by District Officers in each thana with a view to fixing the rate of pay for that area, which shall be the ordinary rate in

future; the results of these enquiries will be scrutinized by the Divisional Commissioners. As above mentioned, it may hereafter be found necessary to fix the pay as low as Rs. 2 in a few tracts.

(*b*). The system of muster-parades prevailing in most districts is commended in the Report, and the Lieutenant-Governor approves the principle upon which it is based of requiring the chaukidar to attend regularly at the police station. The Inspector-General of Police has recently drawn up draft instructions for the purpose of bringing the procedure to be followed at these parades into accord throughout the Province; these instructions have been sent to selected District Officers and District Superintendents for criticism and suggestions before being issued.

(*C*)—*Recommendations concerning service lands.*

(*a*). The Committee advocate the abolition of the Government orders of 1886, which are to the effect that the provisions of the Act for the conversion of *chakran* lands should not be put into force where there are already chaukidars in the enjoyment of *chakran* lands, and the amount and value of such lands are sufficient for their proper maintenance. These orders have had the effect of retarding greatly the abolition of *chakran* chaukidars, whose services almost invariably are unsatisfactory, and Sir Charles Elliott agrees with the Committee that the last circular upon the subject should be cancelled as soon as the proposed provisions, giving the Commissioner of the Division general controlling authority over the proceedings of the Collector in effecting the conversion, are passed into law. The present Act would leave the parties without the power to appeal against the Collector's orders.

(*b*). Besides the regular village police, there exist in the Bankura, Midnapore, Manbhum, and some other districts, classes of rural officers called *ghatwals, paiks and phanridars*; these always hold service lands, but the services they are supposed to render are very often delegated by them to sub-lessees. The organization of these old rural officials is most unsatisfactory and calls for special investigation. Mr. Risley, the Secretary of the Committee, drew up a Bill to provide for the commutation of the lands of the *ghatwals*, and the Committee recommended it with diffidence, as they did not deem themselves very competent to express an opinion upon the subject. The subject seemed to the Lieutenant-Governor to be one of such difficulty, involving many old customs and nice points of law, that he deputed a special officer, Mr. E. R. Henry, now Officiating Inspector-General of Police, to visit the districts in question and draw up careful notes upon the facts relating to each of the various kinds of tenure. Those notes have been sent to the local officers for their opinion; on receipt of replies the Lieutenant-Governor will be in a better position to deal with the problem of effecting an improvement which has hitherto proved difficult.

(*c*). The chaukidari system in Orissa is shown by the Committee to be in urgent need of reform, and three different courses of action are suggested, but not exhaustively examined. The Commissioner of the Division, in consultation with the district officers, is now considering a suggestion to bring all the Orissa chaukidars under the Act. If this measure be adopted, the Lieutenant-Governor thinks that it had better be carried out under the supervision of the settlement officer when the *jagirs* held by the chaukidars have been surveyed and determined. All these lands should be commuted, and the necessary number of chaukidars should be decided on and their pay fixed *pari passu* with the progress of settlement.

PART II.—THE REGULAR POLICE.

4. The essential part of the recommendations of the Committee for the improvement of the Regular Police is that no officers inferior in rank to Sub-Inspectors should be employed in the investigation of criminal cases, and that head-constables, whose number would be greatly reduced, should be confined to work of a less responsible nature. Sir Charles Elliott has accepted this principle and has determined to carry it out as far as possible, though he thinks that there may be some places in which the amount of reported crime is so small as not to warrant the employment of a Sub-Inspector. The Committee did not fully work out the details of the

scheme recommended by them, but it appears from a statement attached to the report that it practically amounted to little more than the substitution of a Sub-Inspector wherever there is now an investigating head-constable. The cost of this would be prohibitive in the present state of the finances. The Government of India, in their proposals for the next financial contract, have intimated that they will not allow anything on the score of the improvements in the police beyond a sum of Rs. 1,71,417 already sanctioned on account of constables as will be described below. Consequently any additional cost to be provided for from the Provincial revenues can only be available during the later years of the contract, and any improvement now made involving an increase of cost will have to be met by reduction in some other direction. Now there appears to be little doubt that by judicious redistribution of the station staff, and improvement in the method of investigating, a considerable reduction can be made in the number of officers required for investigating duty. This will allow of many head-constables being abolished and additional Sub-Inspectors being appointed in their places; but the Lieutenant-Governor finds it impossible to work out the details of this change without local enquiry, as the strength of the machinery to be employed in investigating crime must depend not merely on the arithmetical figures of crime to be investigated but also on local characteristics and peculiarities, on the class of crime most prevalent, and to some extent on the area to be supervised and on the density of population. The Lieutenant-Governor has therefore found it necessary to appoint a Committee composed of Mr. H. J. S. Cotton, Financial Secretary to Government as President, and of Mr. J. C. Veasey, Inspector-General, and Mr. Knyvett, District Superintendent of Police, to work out for each district the number of Sub-Inspectors required, and the changes in the distribution of the force which have become necessary. Mr. Henry, Officiating Inspector-General, will assist in making the enquiries, and will be present at the meetings of the Committee when his other duties permit him. Mr. Knyvett will act as Secretary to the Committee.

5. This Committee will also frame rules for the appointment of Sub-Inspectors and for their subsequent promotion. They will consider whether first appointment should not be made to depend to some extent on the result of competitive examination, and it has been suggested that the following classes should be allowed to compete:—

(a) Candidates who have passed the F. A. examination of the Calcutta University, or who have received a certificate of proficiency from a Police training institution, such as that of Mr. Ballard, a retired Inspector of Police, recognized by Government, and who also pass a physical standard and a riding examination.

(b) Head-constables and writer-constables who have been recommended by Magistrates for practical success in the detection of crime, and as possessing really high qualities of intelligence, activity and honesty.

Certain questions connected with boat establishments and river patrols, which also need further elucidation, have been referred to the Committee now appointed.

6. The Committee recommended that the pay of the lowest grade of Inspectors should be raised from Rs. 100 to Rs. 150, that the pay of the lowest grade of Sub-Inspectors should be raised from Rs. 30 to Rs. 40, and that of the highest grade from Rs. 80 to Rs. 100, the pay of the intermediate grades being also raised. The Lieutenant-Governor does not consider that sufficient evidence has been produced to show the necessity of this increase, while its cost would make it impossible at present even if reason for it had been shown. The officers in the lowest grade of Sub-Inspectors will, under the future arrangements, be considered to be on probation, their duties and powers will be necessarily limited, and the Lieutenant-Governor considers the pay of Rs. 30 to be sufficient in the circumstances.

7. The Committee propose that the four grades of head-constables on Rs. 10, Rs. 15, Rs. 20, and Rs. 25 should be altered to three grades, Rs. 15, Rs. 20, and Rs. 25. Sir Charles Elliott accepts the argument put forward that, as the first grade constable draws Rs. 9 per mensem and may have an additional Re. 1 as good conduct allowance, the minimum pay of a head-constable should be more than Rs. 10. In view of the fact that head-constables are not ordinarily

to investigate cases, His Honour has determined that three grades on Rs. 12, Rs. 15, and Rs. 20 will be sufficient.

8. The Lieutenant-Governor has already carried out the recommendations of the Committee for increasing the pay and allowances of constables on the ground that the standard of wages has risen generally amongst the labouring and lower classes throughout these Provinces, but especially in Bengal Proper, and that there is in consequence difficulty in enlisting suitable recruits and keeping them afterwards. Sir Charles Elliott therefore agreed to the proposal to fix the pay of the lowest grade of constables in the Presidency, Burdwan, Rajshahye, Dacca, and Chittagong Divisions at Rs. 7 instead of the former rate, Rs. 6, and has also done away with the deduction of 2 pice in the rupee on account of the Superannuation Fund. He has also sanctioned the grant of a free kit to recruits on entering the service, and an increase to the former clothing allowances. These concessions, which involve the additional cost of Rs. 1,71,417 per annum, were brought into force with the consent of the Government of India from the 1st July last.

9. The questions connected with Reserves were not dealt with fully by the Police Committee. They, however, advised the Government to substitute in the special reserves of Dumka, Bhagalpur, and Dacca, military titles such as sepoy, havildar, jamadar, and subadar, for the civil designations of constable, head-constable, sub-inspector and inspector. This has met the Lieutenant-Governor's approval, and it has been embodied with other more important matters in a draft Bill, called the Bengal Military Police Bill, framed upon the lines of the Burma Military Police Act, 1888, which has been forwarded to the Government of India for sanction to its introduction into the Bengal Legislative Council. In 1887 the Government of India drew the attention of this Government to the desirability of re-organizing the district reserves with a view to rendering them more efficient in the repression of local disturbances, especially during religious celebrations. Sir Steuart Bayley was in favour of an increase in these reserves, but found that there were financial objections in the way. Orders on the subject were received from the Government of India in March 1889, but the district reserves are still in an unsatisfactory state. Sir Charles Elliott thinks that an opportunity has now presented itself in the proposed reorganization of the staff of the police, and the consequent reduction in some of the smaller stations, to withdraw a sufficient number of men from mofussil work to be formed in an efficiently drilled force that may be ready to put down disturbances on any emergency, and has directed the Committee which has now been formed to consider this question fully.

PART III.—CRIMINAL COURTS.

10. The suggestions made in the Report under this head are less definite than under the two other heads, and some difficulty has been found to give practical effect to them. Such action as it has been possible for Government to take upon the measures advocated has already been taken.

11. The Committee ascribe the defects in the working of the courts to the insufficient supervision exercised by the superior courts over subordinate Magistrates. They consider that the faults of the majority of such Magistrates lie chiefly in fear of responsibility, dilatoriness and want of thoroughness. They set forth instances of the superficiality and want of method which is observed on all sides. They point out that witnesses are detained day after day, and are made to attend again and again after long intervals to the great inconvenience of themselves and to the great prejudice of the administration of justice. They say that many Magistrates do not understand that it is their duty to exhaust every source of enquiry that may appear available, and to make good the deficiencies in the evidence presented in court, but are under the erroneous impression that they have only to adjudicate upon such matters as the contending parties or the police choose to lay before them. They assert that cases are not infrequently committed to the Sessions without any real necessity, because the Magistrate will not take it upon him to exercise his own judgment. In order to correct these evils, they urge that District Magistrates should exercise greatly increased supervision over Subordinate Magistrates, and, while avoiding interference with the judicial discretion of such Magistrates, should endeavour to secure punctuality of attendance, method,

regularity, promptitude, and general efficiency in the disposal of business, and, when necessary, should assist their subordinates by judicious criticism and advice. The Lieutenant-Governor has accepted generally the recommendations of the Committee, and rules* have been laid down to give effect to them. A fortnightly register showing the number of under-trial prisoners is to be submitted to the District Magistrate from each subsidiary jail. The District Magistrate is directed to inspect once a week the trial register of each subordinate Magistrate at head-quarters, sending for particular records, calling for explanation, or passing other orders when necessary. A statement is to be sent from each court away from head-quarters containing extracts from the trial register, showing each case which has been remanded more than three times or has been pending more than a month. District Magistrates are also, if possible, once a quarter, without previous warning, to send for and inspect the records of the last six cases disposed of by each subordinate Magistrate. A manual of inspection is under preparation, embodying the principles which have been laid down by the Committee, and accepted by the Lieutenant-Governor.

* Circular No. 3060J, dated 5th August 1891.

12. The Committee in commending the system of competitive examination for the recruitment of the Subordinate Executive Service, which has been in force for the last few years, recommend that the Evidence Act should be added to the subjects to be taken up for examination. The suggestion has been acted upon, and the notification of the 10th October 1891, prescribing the list of subjects for the next examination, contains this Act, together with other enactments usually required by Magistrates among the subjects for examination.

13. The Committee suggest that in order that subordinate Magistrates may feel that their success depends as much upon attention to their judicial work as to their executive work, their merits should be reported on by the Sessions Judges as well as by District Officers. The rule prescribing this has lately been revived by the High Court, and Government has received a copy of all the reports for last year.

14. It is pointed out in the Report that the failure in Sessions trials often results from the delay in hearing the cases. The Committee state their opinion that it is desirable that such trials should be held as soon as possible after the occurrence, and propose that a system of holding monthly sessions should be introduced as far as practicable. Other Governments have been consulted concerning their practice, and the High Court have been asked their advice in the matter.

15. Another cause of failure of justice at the Sessions Courts, alluded to in the Report, is the imperfect way in which many cases are committed by Magistrates. The Committee advise that powers of committal be entrusted only to selected Magistrates of the second class, and not to all as at present. The Lieutenant-Governor has accepted this advice, and has cancelled the general order of 1874, and after consulting local officers has vested this power in selected officers only.

16. The Committee consider that the Crown should be represented in all important appeals, and point out that the number of successful appeals, notwithstanding that the number of appeals lodged increases, remains very small. The rules on the subject seem sufficient to the Lieutenant-Governor, as any Court against whose order an appeal is lodged can apply for the Government Pleader to appear to support the order. In a recent circular† the Lieutenant-Governor has prescribed a form by which the subordinate Court is invited to state when notice of appeal is sent, whether the Government Pleader should appear or not.

† Circular No. 4J.D., dated 15th October 1891.

17. The Committee point out that the Government Pleader is not always the best man at the local bar or the best man available. They suggest that the Judge and the Magistrate should always be consulted before a Government Pleader is appointed. The Legal Remembrancer, with whom the nomination lies, has been requested to consult these officers always in future. And Sir Charles Elliott has under consideration a suggestion to appoint Government pleaders for a term of years, instead of for life, as is practically now the case.

18. The Committee recommend that both in head-quarters and at subdivisions the best local legal practitioners should be engaged as legal advisers,

to the police and as public prosecutors before Magistrates. The scheme which would cost a very large sum is not fully developed. In many places suitable advisers could not be obtained, and Sir Charles Elliott doubts if cases would be much improved by legal advice given to the police during investigations: if advice is required, the District or Sub-divisional Magistrate is the proper person to apply to. The Lieutenant-Governor is, however, of opinion that more attention should be devoted to the prosecution of police cases, and desires to relieve Court Sub-Inspectors of much of their routine work to allow them time for this important duty. The experiment of transferring a large portion of the Court Sub-Inspector's work to the Magistrate's office, and setting the Court Sub-Inspector free from the multifarious details which now engross his time to prepare cases and conduct prosecutions, will be tried for six months in six selected districts. The officiating Inspector-General has selected for this experiment the districts of the 24-Pergunnahs, Mymensingh, Backergunge, Mozufferpore, Patna, and Monghyr, and he expects to have all arrangements completed by the 1st of January. His Honour has sanctioned a suggestion by Mr. Henry that hereafter Court Sub-Inspectors shall draw Rs. 20 at head-quarters and Rs. 10 at sub-divisions more than their grade pay in order to attract the best men to Court work. Special rules will be framed for the appointment of this class of Sub-Inspectors in order to secure superior knowledge of law and procedure.

19. The Report deals with the great delays which frequently occur in disposing of cases instituted under section 110, Criminal Procedure Code, which are known as " bad livelihood " cases, and it is advised that Magistrates should be allowed perfect freedom of action, and the existing rules which direct cases of bad livelihood should be taken up in the village where the accused resides should be abolished as being the cause of much of the delay observed. The Lieutenant-Governor dealt with the subject in a circular* in June last, in which it was pointed out that the orders directing local enquiry were issued by Sir Ashley Eden, who in 1877 had found that there had been an indiscriminate use of the provisions regarding security, and had little doubt that a number of innocent persons had been committed to jail upon mere hearsay evidence. Sir Charles Elliott, in modifying so much of the previous orders as prescribed a local trial in every case, and in leaving the matter to the discretion of the Magistrate, only did so because he prefers a speedy trial in Court to a long deferred one on the spot, and expressed his hope that Magistrates would try such cases as far as possible in or near the villages where the accused persons reside.

* Circular No. 3J.D., dated 4th June 1891.

20. *Conclusion.*—So much has been done. The passing of the Chaukidar Bill and the reorganisation of the Police staff are the chief objects which now remain to be effected. Sir Charles Elliott trusts that their accomplishment will be seen at the end of the present cold season.

By order of the Lieutenant-Governor of Bengal,

JOHN EDGAR,

Chief Secretary to the Govt. of Bengal.

GOVERNMENT OF BENGAL, MARINE DEPARTMENT.

No. 214Mne., dated Calcutta, the 1st December 1891.

THE following report of the 17th quarterly inspection of the Dock Works at Kidderpore which are being carried out by the Commissioners of the Port of Calcutta, is published for general information.

By order of the Lieutenant-Governor of Bengal,

J. M. McNEILE, *Col.*, R.E.,

Secy. to the Govt. of Bengal, P. W. Dept.

QUARTERLY INSPECTION OF THE KIDDERPORE DOCK WORKS.

Dated Calcutta, the 24th November 1891.

From—LIEUT.-COL. A. D. MCARTHUR, R.E., and H. N. C. CLOETE, ESQ.,

To—The Secretary to the Government of Bengal, Public Works Department.

AGREEABLY to the orders of the Government of Bengal, received with the Under-Secretary's letter No. 2536M. of the 30th ultimo, we have the honour to report that the inspection of the Kidderpore Dock works for the two quarters ending 30th September 1891 was made by us on the 21st instant. All the works are approaching completion, and their present state is as reported below.

Sixty-feet Lock.—Already reported complete. A small quantity of work on the jetties at the head of the lock remains to be done. The entrance to the lock has been dredged.

Eighty-feet Entrance.—As previously reported, this work is completed, and the jetty heads are almost finished. The dredging of the entrance has been carried out.

Double Entrance to Dock No. 1—Is completed as previously reported.

Tidal Basin.—The masonry work is completed. Half the total area of the basin was dredged to within 5 feet of the required depth and full depth dredged between the lock and double entrances.

Graving Dock.—The engine-house for this dock which was under construction at the time of our last inspection is now completed with the exception of finishing work. The engines and pumps have already been utilized for emptying the docks.

Dock No. 1.—The additional works rendered necessary by the slips reported during the quarter ending 30th September 1890 are well in hand. With regard to repairs to walls of this dock, it was at first found impossible to make any progress with dismantling and reconstructing the upper portions of the injured walls while the river had access to the dock, and consequently it was decided to strut the gates of the 60 feet and 80 feet passages against the tide. Since this was done, the work on the walls has made good progress. More than ⅓rd of the concreting of the south-west berth had been done, and on the eastern wall 368 out of 418 bolt holes had been drilled and 60 per cent. of the waling had been fixed and the pockets concreted.

Boat Canal.—The lock and bridge at Chetla Hât are now completed. The gates and overbridge which were under construction when our last report was submitted are now finished, as also the revetments. The foot-bridge across the lift lock at the Budge-Budge Road has been erected and raised to position, and the piers erected under it.

Subsidiary Works.—The addition to the hydraulic engine station for the accommodation of electric light engines and plant was nearly completed at the time of our inspection. The wing was roofed and satisfactory progress made with engine foundation. The iron work for the cargo sheds has been received from England. Four sheds on the west side have been erected and partly roofed in, and two on the east side were put in hand. Considerable progress has been made with them.

GENERAL REMARKS.

We consider that the progress on the works in hand during the two quarters was very satisfactory, and that, so far as we could judge, the quality of work done was all that could be desired, promising completion at a very early date.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 28th November, 1891.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
BURDWAN DIVN.	1	Burdwan Nov. 28, '91 Culna ... Cutwa ... Raneegunge ...	Nil Nil Nil Nil	Weather—fairly cool, but cloudy for the last two days. *Aman* crop is being harvested. Prices of common rice:— Srs. Burdwan ... ... 14 to 16 Cutwa ... ... 15 Culna ... ... 14 Raneegunge ... ... 15½ } per rupee.
	2	Bankoora „ 28, '91	Nil	Weather—seasonable with patches of clouds in the sky. Harvesting of *aman* rice commenced. Sowing of *rabi* continues Sugarcane prospering. Condition of cattle good. Fodder sufficient. Common rice selling at 15½ seers per rupee at Bishenpur and 17 seers at Sudder.
	3	Birbhum „ 28, '91 Rampore Haut ...	Nil Nil	Weather—rather too warm for the season. Since yesterday (27th) somewhat cloudy. Harvesting of winter rice has commenced. Prospects of *rabi* crops good. Supply of fodder and water sufficient. Common rice sells at from 14½ to 18½ seers per rupee.
	4	Midnapore „ 28, '91	Nil	Weather—fair; not so cool as it should be. Harvesting of paddy has begun in all parts except Contai. *Rabi* and indigo doing well. No want of fodder or water. Price of silk cocoons increased in Ghatal during last month. Prices of common rice:— Srs. Sudder ... ... 16 Contai ... ... 17 Tumluk ... ... 16 Ghatal ... ... nearly 16 } per rupee.
	5	Hooghly „ 28, '91 Serampore ... Jehanabad ...	Nil Nil Nil	Weather—clear but not sufficiently cool. Winter rice crop severely affected by want of rain. *Rabi* sowings almost over. Sugarcane doing well. Fodder and water-supply sufficient. Prices of common rice:— Srs. Sudder ... ... 13 Serampore ... ... 13 Jehanabad ... ... 16 } per rupee.
	6	Howrah „ 28, '91 Uluberia ...	Nil Nil	Weather—somewhat cloudy and warm for the season. Paddy on high lands in some parts of the district parched up. *Rabi* crops being sown on lands near the river. Health of cattle good. Fodder and water-supply sufficient. Price of common rice 14 to 14¾ seers per rupee.
PRESIDENCY DIVN.	7	24-Perghs. „ 28, '91	Nil	Weather—moderately cold and seasonable. *Aman* paddy is being reaped; want of rain has affected the outturn. Sowing of *rabi* crops in progress. Common rice is being sold at from 12½ to 15 seers per rupee. No cattle-disease reported. No want of fodder or water.
	8	Nuddea „ 28, '91 Kushtea ... Meherpore ... Chuadanga ... Ranaghat ...	Nil Nil Nil Nil Nil	Weather—seasonable. Prospects of *aman* unchanged. Outturn expected to be not more than 3 annas. *Rabi* crops not doing well for want of moisture. Common rice selling at 12 seers 12 chittacks to 15 seers per rupee. Condition of cattle good, and supply of fodder and water sufficient.
	9	Khoolna „ 28, '91 Bagirhat ... Satkhira ...	Nil Nil Nil	Weather—slightly cloudy and foggy in the morning. Sowing of *rabi* just finished. Prospects of *aman* fair. Prices of common rice 14 to 16 seers per rupee. Fodder and water sufficient.
	10	Jessore „ 28, '91 Jhenidah ... Magura ... Narail ... Bongong ...	Nil Nil Nil Nil Nil	Weather—rather warm for the season. Rain wanted for winter crops and *boran* paddy. *Chhotan* paddy being harvested. No cattle-disease reported. Supply of fodder and water for cattle plentiful.
	11	Murshedabad „ 28, '91	Nil	Weather—cloudy and nights cool. Harvesting of winter rice has commenced. *Rabi* sowings completed in Lalbagh subdivision. Rain still wanted. No want of fodder for cattle.
CHITTAGONG DIVN.	12	Chittagong Dec. 1, '91	Nil	Weather—warm. Mornings sometimes foggy. State and prospects of winter rice crop not very good. Prices steady.
	13	Noakhally Nov. 28, '91	Nil	Weather—foggy mornings, hot days, cool nights. *Aman* paddy maturing. In some places reaping of *aman* commenced. *Rabi* crops progressing. Condition of cattle and supply of fodder and water good. Price of common rice 15½ seers at head-quarters and 17 seers at Fenny.
	14	Tipperah „ 28, '91	Nil	Weather—seasonable. Prospects of crops fair. Fodder sufficient. No cattle-disease reported from any part of the district.
	15	Chittagong Hill Tracts. „ 26, '91	Nil	Weather—cool and foggy generally from 1 to 9 A.M. Hot and cloudy throughout the rest of the day. Cotton is still being gathered. Early plough-paddy is being harvested in places and late paddy progressing. Sowing and transplanting of mustard and other cold-weather crops almost over. Price of common rice 11½ seers per rupee.

	No	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
DACCA DIVN.	16	Dacca	Nov. 28, '91	Nil	Weather—seasonable. Harvesting of *aman* going on. Prospects appear to be favourable. Fodder available. Common rice selling at from 13 to 17 seers per rupee. Condition of cattle good.
	17	Furreedpore	„ 28, '91	Nil	Weather—getting cool. Harvesting of *aman* in progress. Rice selling at 14 to 16 seers per rupee.
	18	Backergunge	„ 28, '91	Nil	Weather—seasonable. Prospects of crops good in the Patuakhali and Perozepur subdivisions, but poor in the Sudder and Bhola subdivisions. Price of common rice varies from 11 to 17 seers per rupee. Supply of fodder and water sufficient.
	19	Mymensingh	„ 28, '91	0·54	Weather—moderately cold. Damage has been caused by the recent hail shower in the Sudder only. Prospects of crops fair on the whole. Rice sells at 14 seers a rupee. Condition of cattle good, and supply of fodder and water sufficient.
RAJSHAHYE DIVN.	20	Dinagepore Thakurgaon	„ 28, '91 ...	Nil Nil	Weather—cool and cloudy. Prospects of winter rice continue bad as before. Cultivation of *rabi* crops still in progress. Price of rice at Sudder 13 seers per rupee and at Thakurgaon 10 seers. Condition of cattle good. Supply of fodder and drinking water sufficient.
	21	Rajshahye Nattore Nowgong	„ 28, '91	Nil Nil Nil	Weather—seasonable. Prospects of *aman* continue unchanged. Condition of *rabi* crops good. Prospects of ganja favourable. Price of common rice varies from 12 to 15 seers per rupee. Supply of fodder and water sufficient. No cattle-disease.
	22	Rungpore Nilphamari Kurigram Gaibanda	„ 28, '91	Nil Nil Nil Nil	Weather—unseasonably hot with cold mornings. Rice harvest has commenced. A slightly better outturn is expected than previously estimated. Prices have fallen slightly in the Nilphamari and Gaibanda subdivisions. The general average is 12 seers for *aus* rice but old *aman* rice sells at 9 seers. Prospects of *rabi* crops and sugarcane favourable. Fodder sufficent.
	23	Bogra Sherpur Nowkhilla	„ 28, '91	Nil Nil Nil	Weather—cool in the morning and hot in the day. Prospects of *rabi* good. An average outturn of 8 annas of *aman* expected. Fodder and water ample except in the jurisdictions of the western thanas where insufficiency of drinking water reported. Common rice selling at 13¼ seers a rupee.
	24	Pubna	„ 28, '91	Nil	Weather—cool. State and prospects of *aman* paddy much the same as before; outturn expected to be 10 annas. *Rabi* crops doing well. Price of common rice stationary, being 13 seers per rupee. Condition of cattle good. Supply of water and fodder sufficient.
	25	Darjeeling	„ 28, '91	Nil	Weather—fair. Paddy on high lands is being cut. Low land paddy ripening, but ears are small. Mustard and *kalai* doing well. No disease among cattle. Fodder and water-supply ample. Prices of common rice:— Srs. (per rupee) Silliguri ... ... 11 Phansidowa ... ... 9 Nuxalbari ... ... 10½ Darjeeling ... ... 9 Kalimpong ... ... 9 Pulbazar ... ... 10 Jore Bungalow ... ... 10 Nagri ... ... 8 Sonadah ... ... 10 Kurseong ... ... 10 Kharibari 9
	26	Julpigoree	„ 28, '91	Nil	Weather—seasonable. Prospects of *haimanti* paddy unfavourable. Common rice sells at 10 seers a rupee. Fodder and water-supply sufficient. No cattle-disease.
BEHAR.					
BHAGULPORE DIVN.	27	Monghyr Beguserai Jamui	„ 28, '91	Nil Nil Nil	Weather—fine and seasonable. Prospects of *rabi* crops continue favourable in Beguserai and parts of the Sudder subdivision; only 8 annas have been sown in Jamui owing to want of moisture. Prospects of paddy unchanged. Prices of common rice vary from 11 to 15 seers per rupee in different parts of the district. Fodder and water-supply at present sufficient.
	28	Bhagulpore	„ 28, '91	Nil	Weather—seasonable. Harvesting of *aghani* rice commenced. Prospects of *aghani* rice and *rabi* crops unchanged. Prospects of *kurthi* reported to be fair and those of *tori* (mustard) very indifferent in the Maddapore subdivision. Yield of sugarcane in the Banka subdivision is fair. Fodder plentiful. Price of common rice 13¼ seers per rupee.
	29	Purneah Kishengunge Arrareah	„ 28, '91	Nil Nil Nil	Weather—much cooler. *Aghani* prospects unfavourable as previously reported. Some *aghani* is being reaped. *Rabi* generally doing well, but rain will soon be necessary, especially for wheat. Fodder and water sufficient. No cattle-disease. Prices of common rice in the Sudder subdivision from 9 to 13 seers, in Kishengunge 10 seers, and in Arrareah 13 seers, per rupee.
	30	Maldah Chanchal Shibgunge Gajole	„ 28, '91	Nil Nil Nil Nil	Weather—cool, but a little cloudy since yesterday (27th). Harvesting of winter rice has commenced in some places. The Collector on tour in the tract east of the district estimates the outturn from enquiries and personal observation to be not less than 8 annas. Prospects of *kalai* and other *rabi* crops continue favourable. Common rice sells at from 10 to 15 seers per rupee. Supply of fodder and water adequate. Condition of cattle good.
	31	Sonthal Perghs.	„ 28, '91	Nil	Weather—seasonably cool; cloudy at times. Winter rice is being harvested everywhere; outturn about 12 annas on average. Rain wanted for standing *rabi* crops. Price of common rice 16 seers per rupee in the Sudder subdivision. Fodder and water-supply sufficient.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
	BEHAR—(concld.)		
	Patna Division.		
31	Patna Nov. 28, '91 Barh ... Behar ... Dinapore ...	Nil Nil Nil Nil	Weather—clear and getting cold. Paddy still being harvested. *Rabi* sowing still in progress. Those already sown have germinated well. Rain urgently wanted. Poppy sowings almost completed. Prices of food-grains almost stationary.
33	Gya „ 28, '91 Aurungabad ... Jehanabad ... Nawada ...	Nil Nil Nil Nil	Weather—cold with cloudy mornings. Paddy being harvested. Sowing of *rabi* and poppy still going on in some places, but rain urgently wanted. Prices of food-grains almost stationary. Supply of fodder and water for cattle yet sufficient.
34	Shahabad „ 28, '91 Buxar ... Bhabuah ... Sasseram ...	Nil Nil Nil Nil	Weather—cold nights and mornings, days warm. Paddy harvest proceeding. Prospects of *rabi* crops still fair; but rain is much wanted, and insects have done some damage. Prices rising in Bhabuah, but show a tendency to fall in Sasseram, where new rice is coming into the market. Poppy promising.
35	Durbhunga „ 28, '91	Nil	Weather—getting cool. *Rabi* coming on well where there is moisture. Paddy is being harvested in places. Rain urgently wanted for *rabi* crops. First poppy sowings have been a failure; second sowings going on. Supply of fodder for cattle sufficient. Price of common rice varies from 12 to 13½ seers per rupee.
36	Mozufferpore „ 28, '91 Hajipore ... Sitamarhi ...	Nil Nil Nil	Weather—seasonable. Paddy is being harvested. Average outturn for Sudder subdivision 5 annas, for Sitamarhi subdivision 6 and 7 annas, and for Hajipur subdivision 3 annas. *Rabi* sowings still going on in many places. Reports on the state of *rabi* are not encouraging. Rain most ureguntly wanted both for *rabi* and poppy. *Rahar*, sugarcane and other standing crops are in good condition. Prices stationary. Fodder and water for cattle plentiful.
37	Sarun „ 28, '91	Nil	Weather—warm for the time of the year. *Rabi* doing well. Poppy sowings continue. Fodder and water sufficient. Prices of common rice:— Srs. Ch. Sudder ... ... 13 0 Sewan ... ... 16 8 } per rupee. Gopalgunge 14 6
38	Chumparun „ 28, '91	Nil	Weather—seasonable. *Rabi* is being sown. State of standing crops fair. Supply of fodder and water for cattle sufficient.
	ORISSA.		
	Orissa Divn.		
39	Cuttack „ 28, '91	Nil	Weather—seasonable. *Laghu* paddy is still being harvested. Tobacco is being transplanted. Price of common rice has gone up at head-quarters, the rate being 13 seers 12 chittacks per rupee, against 14 seers 7 chittacks in the preceding week. Cattle-disease reported from places. In the part affected by the late cyclone, food-grains are not easily available in the local markets.
40	Pooree „ 26, '91 Khurda ... Banpur ... Pipli ... Gop ...	Nil Nil Nil Nil Nil	Weather—seasonable. *Laghu* paddy being reaped. *Sarad* paddy partly in ear and partly ripening. Common rice sells at from 12½ seers to 19 seers per rupee. Cattle-disease reported from pergunnahs Kurlo, Kuspalla, and Banpur.
41	Balasore „ 28, '91	Nil	Weather—seasonable. Harvesting of winter rice continues. Prospects good. Rice selling at Balasore 19 seers and at Bhadrak 20 seers per rupee.
	CHOTA NAGPORE.		
	South-West Frontier Agency.		
	Chota Nagpore Divn.		
42	Hazaribagh Nov. 28, '91 Giridih ...	Nil Nil	Weather—cold and bright. Harvesting of paddy not yet complete; estimated outturn 12 annas. *Rabi* sowings completed. Common rice selling at from 13 to 16 seers per rupee. Fodder and water-supply sufficient. Cattle-disease reported from thana Jageswar.
43	Lohardugga „ 28, '91 Palamow (up to 23rd) ...	Nil Nil	Weather—a little cloudy. Rain badly wanted for *rabi* crops. Harvesting of winter rice continues. Price of common rice 15 seers per rupee. Ample fodder for cattle.
44	Singbhoom „ 28, '91	Nil	Weather—cloudy since yesterday (27th). Harvesting of paddy continues with the same satisfactory results as reported in previous week. Prices stationary. No cattle-disease. Fodder plentiful.
45	Manbhoom „ 28, '91 Govindpore ...	Nil Nil	Weather—less cool than seasonable. Prospects of winter crops good. Rice selling at 20 seers per rupee. Fodder and water-supply still sufficient.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 1*st December*, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTERS STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 30TH NOVEMBER, 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPEE IN

Division	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare.) Present return.	Jowar or Cholum (Sorghum Vulgare.) Next preceding return.	Jowar or Cholum (Sorghum Vulgare.) Corresponding return of last year.
BENGAL.																	
			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Burdwan Division.	1	Burdwan	11 4	11 8	12 8	...	...	...	12 0	12 0	12 12	15 0	15 8	16 11	...	...	...
	2	Bankoora	12 8	12 8	13 12	16 0	16 0	17 0	15 0	15 0	17 8	19 0	19 0	20 0	..	...	...
	3	Beerbhoom	11 4	12 0	16 8	...	...	...	13 8	13 8	13 8	15 0	15 0	18 0	...	...	...
	4	Midnapore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	5	Hooghly	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	13 0	...	...	...
	6	Howrah	10 8	...	..	...	...	...	10 4	10 4	10 0	13 8	14 4	14 8	...	...	...
Presidency Division.		Calcutta	10 10	11 1	12 14	17 12	18 9	18 1	8 10	8 10	8 12	12 12	12 5	13 1	...	...	16 0
	7	24-Pergunnahs	10 8	11 0	13 0	20 0	20 0	17 0	8 0	8 0	8 0	15 0	15 0	15 0	...	...	...
	8	Nuddea	13 1	13 1	15 4	20 0	20 0	16 0	11 7	11 7	11 13½	13 10	13 9	15 9½	...	..	...
	9	Khoolna		...	...	...	.	...	13 0	12 8	12 8	14 8	14 0	14 0	...	...	...
	10	Jessore	12 0	11 8	12 8	.	...	...	11 8	11 12	11 8	16 0	14 8	14 8	...	...	...
	11	Moorshedabad	13 4	13 5	16 0	...		...	11 8	11 8	10 0	15 0	15 0	16 0	...	...	...
Chittagong Division.	12	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	13	Noakholly*	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	14	Tipperah*	...	...	...	.	.	.	...	...	..	...	...	...	.	.	...
	15	Chittagong Hill Tracts *	..	...	..	...	..	...	...	...	...	...	...	..	...	...	...
Dacca Division.	16	Dacca*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	17	Furreedpore	16 0	16 0	16 0	16 0	13 0	25 0	11 0	11 0	12 0	17 0	17 0	14 0	...	...	...
	18	Backergunge*	...	.	..	..	...	..	...	...	...	...	...	...	...	...	...
	19	Mymensingh*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rajshahye Division.	20	Dinagepore	12 0	10 10	14 11	17 0	17 0	20 0	11 0	11 0	14 4	12 0	12 0	13 0	...	...	...
	21	Rajshahye	12 0	12 0	15 12	26 4	19 8	24 0	10 8	9 12	12 12	12 12	13 8	16 2	...	...	...
	22	Rungpore	8 0	8 0	13 5	.		...	10 0	10 0	9 6	10 4	10 4	14 8	...	...	...

* Return not received up to date.

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11¾ seers, and Raneegunge 10 seers.
B At Rampore Hât retail price of salt 10½ seers per rupee.
C In subdivisions retail prices of salt per rupee are : Serampore (at Bhudessur) 12½ seers and Jehanabad 11 seers 7 chittacks.
D At Uluberia retail price of salt 10½ seers per rupee.
E In subdivisions retail prices of salt per rupee are :—Barasat 10 seers 10 chittacks, Bussirhat (at Baduria) 10½ seers, Diamond Harbour (at Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
F In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers

Head-quarters Station Bazars of the Districts of Bengal on the 30*th November*, 1891.

Indian-corn or Maize. (*Zea Mays.*) Present return.	Indian-corn Next preceding return.	Indian-corn Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*) Present return.	Arhar Next preceding return.	Arhar Corresponding return of last year.	Firewood. Present return.	Firewood Next preceding return.	Firewood Corresponding return of last year.	Salt. Present return.	Salt Next preceding return.	Salt Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Wholesale Salt Next preceding return.	Wholesale Salt Corresponding return of last year.	Districts.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL.	
...	...	...	16 8	17 0	16 0	100 0	100 0	100 0	A 11 4	11 4	K 11-1-3	3 5 8	3 5 8	3 7 6	Burdwan.	Burdwan Division.
22 0	22 0	30 0	16 4	16 4	16 0	220 0	220 0	280 0	11 8	11 8	10 8	3 10 0	3 10 0	3 10 0	Bankoora.	
...	...	...	13 5	13 0	12 0	200 0	160 0	160 0	B 10 8	10 8	10 8	3 10 0	3 10 0	3 10 0	Beerbhoom.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Midnapore.	
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	C 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.	
...	...	..	12 0	10 12	11 4	100 0	100 0	100 0	D 10 8	10 8	10 8	3 6 0	3 6 0	3 8 0	Howrah.	
16 8	16 14	16 14	14 12	14 11	14 9	95 0	95 0	90 0	11 4	11 0	10 12	3 4 7	3 5 9	3 6 5	Calcutta.	Presidency Division.
...	...	...	15 0	15 0	14 8	100 0	100 0	100 0	E 11 0	11 0	10 12	3 4 0	3 4 0	3 6 6	24-Pergunnahs.	
...	...	...	16 0	16 0	16 0	...	...	...	F 11 0	11 0	9 13	3 10 0	3 9 0	3 12 0	Nuddea.	
...	.	...	...	...	...	160 0	160 0	160 0	G 9 8	9 8	8 0	4 0 0	4 0 0	4 0 0	Khoolna.	
...	...	..	15 0	16 0	16 0	160 0	160 0	160 0	H 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.	
...	...	...	16 0	16 0	16 0	200 0	200 0	200 0	I 11 8	11 8	11 0	3 8 0	3 8 0	3 10 0	Moorshedabad.	
...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.	Chittagong Division.
...	..		...	...	...	...	.	..	...	...	...	...	...	...	Noakholly.	
...	..	...	...	..	...	...	...	...	...	...	..	...	...	...	Tipperah.	
...	...	.	..	..	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.	
...	..	...		...	...	...	...	...	...	...	...	.	...	...	Dacca.	Dacca Division.
...	...	...	...	10 0	13 0	...	...	80 0	J 10 0	...	10 0	3 12 0	3 12 0	4 0 0	Furreedpore.	
...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	Backergunge.	
...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	Mymensingh.	
...	...	.	16 0	16 0	16 4	160 0	160 0	160 0	K 10 4	10 4	10 0	3 14 0	3 14 0	4 0 0	Dinagepore.	Rajshahye Division.
...	...	...	16 11	17 8	17 8	240 0	240 0	240 0	L 9 9	9 9	9 9	3 10 8	3 10 8	3 13 4	Rajshahye.	
...	...	...	13 5	13 5	10 10	100 0	100 0	100 0	M 9 4	9 4	9 6	4 6 0	4 6 0	4 4 0	Rungpore.	

G Retail price of salt at Bagirhat 8 seers per rupee.
H In subdivisions retail prices of salt per rupee are :—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.
I In subdivisions retail prices of salt per rupee are :—Lalbagh 11 seers, Kandi 10½ seers, and Jungipore 11 seers.
J Retail price of salt at Madaripore 11¼ seers per rupee.
K At Thakurgaon retail price of salt 8 seers per rupee.
L In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
M In subdivisions retail prices of salt per rupee are :—Kurigram 8 seers, Gaibanda 9 seers 6 chittacks, and Nilphamari 10 seers.

Head-quarters Station Bazars of the Districts of Bengal on the 30th November, 1891.

Indian-corn or Maize (*Zea Mays.*) Present return.	Indian-corn Next preceding return.	Indian-corn Corresponding return of last year.	Arhar or thur, Cadjan Pea (*Cajanus indicus.*) Present return.	Arhar Next preceding return.	Arhar Corresponding return of last year.	Firewood Present return.	Firewood Next preceding return.	Firewood Corresponding return of last year.	Salt Present return.	Salt Next preceding return.	Salt Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt Present return.	Wholesale Salt Next preceding return.	Wholesale Salt Corresponding return of last year.	Districts.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL.	
...	...	...	16 8	17 0	16 0	100 0	100 0	100 0	(A) 11 4	11 4	(K) 11-1-3	3 5 8	3 5 8	3 7 6	Burdwan.	Burdwan Division.
22 0	22 0	30 0	16 4	16 4	16 0	220 0	220 0	280 0	11 8	11 8	10 8	3 10 0	3 10 0	3 10 0	Bankoora.	
...	...	...	13 5	13 0	12 0	200 0	160 0	160 0	(B) 10 8	10 8	10 8	3 10 0	3 10 0	3 10 0	Beerbhoom.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Midnapore.	
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	(C) 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.	
...	...	..	12 0	10 12	11 4	100 0	100 0	100 0	(D) 10 8	10 8	10 8	3 6 0	3 6 0	3 8 0	Howrah.	
16 8	16 14	16 14	14 12	14 11	14 9	95 0	95 0	90 0	11 4	11 0	10 12	3 4 7	3 5 9	3 6 5	Calcutta.	Presidency Division.
...	...	...	15 0	15 0	14 8	100 0	100 0	100 0	(E) 11 0	11 0	10 12	3 4 0	3 4 0	3 6 6	24-Pergunnahs.	
...	..	...	16 0	16 0	16 0	...	...	...	(F) 11 0	11 0	9 13	3 10 0	3 9 0	3 12 0	Nuddea.	
...	.	...	...	...	...	160 0	160 0	160 0	(G) 9 8	9 8	8 0	4 0 0	4 0 0	4 0 0	Khoolna.	
...	...	..	15 0	16 0	16 0	160 0	160 0	160 0	(H) 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.	
...	...	...	16 0	16 0	16 0	200 0	200 0	200 0	(I) 11 8	11 8	11 0	3 8 0	3 8 0	3 10 0	Moorshedabad.	
...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.	Chittagong Division.
...	...		...	...	...	...	.	..	...	...	...	...	...	...	Noakhally.	
...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	Tipperah	
...	...	.	..	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.	
...	..	...		...	...	..	...	...	...	...	...	.	...	...	Dacca.	Dacca Division.
...	...	...	...	10 0	13 0	...	...	80 0	(J) 10 0	...	10 0	3 12 0	3 12 0	4 0 0	Furreedpore.	
...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	Backergunge.	
...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	Mymensingh.	
...	...	.	16 0	16 0	16 4	160 0	160 0	160 0	(K) 10 4	10 4	10 0	3 14 0	3 14 0	4 0 0	Dinagepore.	Rajshahye Division.
...	...	...	16 11	17 8	17 8	240 0	240 0	240 0	(L) 9 9	9 9	9 9	3 10 8	3 10 8	3 13 4	Rajshahye.	
...	...	...	13 5	13 5	10 10	100 0	100 0	100 0	(M) 9 4	9 4	9 6	4 6 0	4 6 0	4 4 0	Rungpore.	

G Retail price of salt at Bagirhat 8 seers per rupee.
H In subdivisions retail prices of salt per rupee are:—Jhenida 10 seer, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.
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PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

QUANTITIES PER RUPEE IN

Division	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare.) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
BENGAL—continued.																	
			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Rajshahye Division—contd.	23	Bogra ...	11 8	12 0	15 0	...	...	...	12 0	12 0	13 8	New. 15 12 Old. 14 4	New. ... Old. 14 4	New. 18 0 Old. 16 8	...	...	...
	24	Pubna ..	13 8	13 8	18 0	...	...	...	7 8	7 8	7 6	15 0	15 0	15 12	...	...	...
	25	Darjeeling* .	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	26	Julpigoree	11 0	11 0	13 0	16 0	16 0	16 0	6 0	6 0	8 0	11 0	11 0	16 0	...	...	...
BEHAR.																	
Bhagulpore Division.	27	Monghyr* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	28	Bhagulpore* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	29	Purneah ...	11 0	11 0	16 0	16 0	12 0	..	10 0	10 0	16 0	11 0	11 0	18 0	...	...	...
	30	Maldah* ...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
	31	Sonthal Perghs.*	...	...	...	...	...		...	...	...	...	...	...	...	...	...
Patna Division.	32	Patna ...	Red. 16 4 White. 13 8	Red. 15 0 White. 13 8	Red. 17 8 White. 15 8	26 0	24 0	19 8	11 8	11 8	11 0	17 0	18 0	18 0	...	...	...
	33	Gya* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	34	Shahabad ...	13 8	13 4	15 8	22 0	20 0	16 0	9 0	9 0	9 0	15 0	14 8	16 8	...	...	...
	35	Durbhunga* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	36	Mosufferpore*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	37	Sarun* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	38	Chumparun* ...	...	..	...	...	...	...	...	...	...	... ...	... ...	...	...	...	...
ORISSA.																	
Orissa Division.	39	Cuttack* ...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...
	40	Pooree* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	41	Balasore* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE.																	
Chota Nagpore Division.	42	Hazaribagh* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	43	Lohardugga* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	44	Singbhoom ...	14 0	15 0	16 0	16 0	20 0	20 0	14 0	11 0	14 0	18 0	20 0	20 0	...	...	...
	45	Manbhoom	11 4	11 4	13 5	...	...	28 0	13 0	13 0	13 0	19 8	20 0	23 0	...	...	...

* Return not received up to date.

N At Serajgunge retail price of salt 12 seers per rupee.

O In Alipore subdivision (at Fallacotta) retail price of salt 8½ seers per rupee.

P In subdivisions retail prices of salt per rupee are:—Kishengunge 8 seers and Arrareah 10 seers.

Station Bazars of the Districts of Bengal on the 30th November, 1891—(concluded).

Indian-corn or Maize. (*Zea Mays.*) Present return.	Indian-corn Next preceding return.	Indian-corn Corresponding return of last year.	Arhar or Thur, Cadjan Pea. (*Cajanus Indicus.*) Present return.	Arhar Next preceding return.	Arhar Corresponding return of last year.	Firewood. Present return.	Firewood Next preceding return.	Firewood Corresponding return of last year.	Salt. Present return.	Salt Next preceding return.	Salt Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Wholesale Salt Next preceding return.	Wholesale Salt Corresponding return of last year.	Districts.	Division
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL—*continued.*	
...	...	...	...	...	...	90 0	90 0	90 0	9 9	9 9	9 0	3 14 8	3 14 8	4 0 0	Bogra.	Rajshahye Division—*contd.*
...	...	...	...	16 8	17 4	200 0	200 0	200 0	[N] 8 15	8 15	8 15	3 12 0	3 12 0	3 14 0	Pubna.	Rajshahye Division—*contd.*
...	...	...	...	..	...	...	...	...	...	...	..	...	...	...	Darjeeling.	Rajshahye Division—*contd.*
...	...	...	8 0	8 0	12 0	200 0	20[illegible] 0	200 0	[O] 10 0	10 0	10 0	4 0 0	4 0 0	4 0 0	Julpigoree.	Rajshahye Division—*contd.*
															BEHAR.	
...	...	...	...	..	..	..	...	...	..	...	...	...	...	...	Monghyr.	Bhagulpore Division.
...	...	...	...	..	...	...	...	...	...	...	...	...	..	...	Bhagulpore.	Bhagulpore Division.
16 0	16 0	..	13 8	13 0	14 0	31 0	80 0	131 [illegible]	[P] 10 0	10 0	9 0	4 0 0	3 10 3	4 7 0	Purneah.	Bhagulpore Division.
...	...	...	...		.	.	...	...	...	...	...	...	...	...	Maldah.	Bhagulpore Division.
...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	Sonthal Perghs.	Bhagulpore Division.
24 8	24 0	19 8	19 0	19 0	16 8	120 0	120 0	120 0	11 8	11 8	9 8	3 8 0	3 8 0	3 9 0	Patna.	Patna Division.
...	...	...	...	...	...	...	...	.	...	...	...	.	...	...	Gya.	Patna Division.
21 8	21 8	...	15 0	16 0	18 0	120 0	120 0	160 0	[Q] 10 8	10 0	10 0	3 13 [illegible]	4 0 0	3 15 0	Shahabad.	Patna Division.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Durbhunga.	Patna Division.
...	...	...	...	...	...	..		...	...	...	...	...	.	...	Mozufferpore.	Patna Division.
...	...	...	...	...	...	...	...	...	..	..	...	...	...	..	Sarun.	Patna Division.
...	..	...	...	...	...	...	..	.	..	...	..	...	...	...	Chumparun.	Patna Division.
															ORISSA	
...	...	...	...	...	...	...	...	...		...	...	.	...	...	Cuttack.	Orissa Division.
...	...	...	...	...	...	...	..	..	..	...	...	...	...	...	Pooree.	Orissa Division.
...	...	...	...	...	...	...	..	.	..	...	...	...	...	...	Balasore.	Orissa Division.
															CHOTA NAGPORE.	
...	...	...	..	...	...	...	...	...	...	...	...	...	..	...	Hazaribagh.	Chota Nagpore Division.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Lohardugga.	Chota Nagpore Division.
16 0	21 0	32 0	16 0	16 0	24 0	160 0	200 0	240 0	9 0	9 0	8 0	4 4 0	4 4 0	5 0 0	Singbhoom.	Chota Nagpore Division.
...	...	26 0	...	16 0	16 0	200 0	200 0	200 0	[R] 10 10	10 10	10 0	3 10 0	3 10 0	3 14 0	Manbhoom.	Chota Nagpore Division.

Q In subdivisions retail price of salt per rupee are :—Sasseram 10½ seers, Buxar 10½ seers, and Bhabuah 10 seers.
R At Govindpore retail price of salt 9 seers per rupee.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 6 1	3 5 6	2 13 4	1 15 7	1 14 3	1 15 3	4 5 10	4 5 10	4 4 9	2 14 5	2 15 4	2 12 10
2	Serajgunge	3 0 0	3 2 0	1 12 0	...	...	...	4 12 0	5 0 0	4 10 0	3 0 0	3 4 0	3 4 0
3	Dacca* ...	...	...	...	...	...	...	...	...	...	...	...	...
4	Naraingunge*	...	...	...	...	...	...	...	...	...	...	...	...
5	Chittagong*	...	...	...	...	...	...	...	...	...	...	...	...
6	Patna ...	Red. 2 7 6 White. 2 15 3	Red. 2 10 8 White. 2 15 3	Red. 2 4 0 White. 2 8 0	1 8 6	1 10 6	2 0 0	3 8 0	3 8 0	3 8 0	2 5 6	2 3 6	2 2 6
7	Balasore* ...	...	...	...	...	...	...	...	...	...	...	...	...
8	Pooree* ...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack* ...	...	...	...	...	...	...	...	...	...	...	...	...

* Return not received.

CALCUTTA,
The 1st December, 1891.

in the undermentioned Marts of Bengal on the 30th November, 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 3 6	2 2 10	2 2 3	2 2 9	2 1 11	2 1 9	2 7 5	2 7 7	2 7 8	0 5 9	0 5 9	0 5 9	3 4 7	3 5 9	3 6 5	Calcutta.
2 12 0	2 12 0	2 9 0	...	...	...	...	...	...	0 6 6	0 7 0	0 7 0	3 5 0	3 8 0	3 14 0	Serajgunge.
...	...	...	...	...	...	...	...	...	..	...	...	.	...	...	Dacca.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Naraingunge.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong.
1 13 0	1 13 0	2 0 0	1 10 0	1 10 6	2 0 0	2 1 6	2 1 6	2 6 0	0 5 4	0 5 4	0 5 0	3 8 0	3 8 0	3 9 6	Patna.
...	...	...	...	...	.	...	...	...	...	...	...	...	...	...	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Pooree.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air Pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to Lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	30·003	29·962	—	N	210	86·7	25th Nov.	65·1	22nd Nov.	85·2	67·2	76·2	—	72·0
		Gopalpore	30·008	29·969	+·004	NWly	250	84·7	24 & 26 „	61·9	22nd „	84·0	64·9	74·5	+1·6	73·0
		False Point	30·003	29·965	—·026	NNW	244	82·0	25th „	63·5	25th „	80·2	66·7	73·7	+1·8	70·1
	Cuttack	Cuttack	29·956	29·980	—·012	Variable	41	86·4	25th „	61·8	22 & 23 „	84·7	63·3	74·0	+0·1	70·1
	Balasore	Balasore	29·974	29·978	—·020	NNW	105	85·4	24th „	59·6	25 & 28 „	84·0	61·3	72·7	+2·9	67·3
South West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	29·994	29·964	—·026	NNE	230	82·7	24th „	63·0	27 & 28 „	81·6	65·6	73·6	+3·3	71·3
	Midnapore	Midnapore	29·866	29·957	—·026	N	252	86·3	27 & 28 „	60·2	26th „	85·2	62·2	73·7	+3·7	68·7
	24-Pergunnahs, Howrah, Hooghly	Calcutta	30·000	29·976	—·023	N	70	84·6	24th „	62·2	26 & 27 „	83·3	63·7	73·5	+2·9	69·0
	Burdwan	Burdwan	29·935	30·004	—·006	N	63	85·7	27th „	60·4	26 & 27 „	84·8	61·6	73·2	+2·2	69·7
	Bankoora	Bankoora	29·714	29·976	—·125	Calm & NWly	70	84·0	24th „	59·0	25th „	84·1	60·6	72·4	+0·8	67·5
	Beerbhoom, West Burdwan	Raneegunge	29·718?	30·028?	—·001?	NW	91	85·1	24th „	57·9	25th „	84·4	59·8	72·1	+1·9	66·9
	Moorshedabad	Berhampore	29·972	29·989	—·024	N	59	84·1	27th „	62·2	24 & 25 „	82·5	63·3	72·9	+2·2	65·8
	Nuddea	Krishnagour	29·984	29·981	—·015	NNW	84	86·7	23rd „	59·1	25th „	84·6	62·5	73·6	+2·0	68·0
	Jessore, Khoolna	Jessore	29·987	29·968	—·020	Variable	58	85·7	24th „	61·5	22nd „	84·3	63·1	73·7	+0·7	68·8
East Bengal.	Chittagong	Chittagong	29·923	29·959	—·013	Calm & NE	36*	85·7	22 & 26 „	63·6	23th „	84·4	67·1	75·8	+3·3	72·1
	Chittagong Hill Tracts	Domagiri	Observations not received.													
	Backergunge	Barrisal	29·989	29·947	—·008	Nly	45	87·8	24th „	63·1	24th „	84·1	66·1	75·1	+3·7	72·8
	Noakhally	Noakholly	29·964	29·955	—·018	Calm & N	64	85·0	22nd „	61·0	24th „	84·0	64·2	74·2	+3·0	72·8
	Furreedpore	Furreedpore	29·990	29·978	+·011	N & Calm	61	89·0	26th „	65·0	24 to 25 „	83·9	64·1	74·0	+3·6	70·9
	Dacca	Dacca	29·991	29·961	—·019	Nly	102	86·1	26th „	62·3	23rd „	84·5	64·0	74·2	+1·4	69·7
	Commillah	Commillah	29·984	29·968	—·002	NEly	17	85·5	27th „	61·0	27 & 28 „	84·1	64·2	74·2	+3·4	69·4
	Mymensingh	Mymensingh	29·971	29·981	0	ENE	58	84·3	25th „	59·8	28th „	82·8	62·2	72·6	+1·0	68·7
North Bengal.	Bogra	Bogra†	29·899	29·915	—·042	NE	41	84·3	23 & 24 „	59·2	25th „	83·6	60·8	72·2	+0·8	65·1
	Pubna	Serajgunge	29·978	29·975	—·017	NE	17	85·3	23rd „	59·8	28th „	83·6	61·7	72·7	+2·4	67·8
	Rajshahye	Rampore Beauleah.	29·965	29·952	—·009	N	58	83·8	23rd „	58·9	25th „	82·5	60·9	71·7	+3·5	66·1
	Maldah	Maldah	29·965	30·000	—	NW	80	85·5	24th „	59·4	22nd „	84·0	60·0	72·0	—	66·4
	Dinagepore	Dinagepore	29·925	30·001	—·017	NE	44	85·1	24th „	55·4	24th „	84·1	57·8	70·9	+2·0	66·0
	Rungpore	Rungpore	29·936	30·017	+·052	ENE	48*	83·8	25 & 27 „	57·8	25th „	82·9	58·8	70·9	+2·2	66·2
	Julpigoree, Cooch Behar	Julpigoree	29·771	30·021	+·007	N	65	84·4	25th „	52·1	25th „	82·5	55·7	69·1	+0·6	64·5
	Darjeeling Hill Tracts	Darjeeling	23·074	—	+·014	Ely	86	63·1	24th „	39·8	27th „	57·3	42·9	50·1	+3·5	40·1
North Behar.	Purneah, North Bhagulpore	Purneah	29·930	30·016	—·005	Calm	14	84·2	22 to 24 „	49·3	24th „	83·4	52·1	67·8	0	59·9
	Mozufferpore	Mozufferpore	29·874	30·015	—	NNE	65	82·9*	24th „	51·8	25th „	81·8*	53·8	67·8*	—	61·5
	Durbhunga	Durbhunga	29·907	30·034	—·005	Variable	45	84·5	27th „	55·5	25 & 27 „	82·8	56·7	69·8	+0·7	63·4
	Chumparun	Motihari	29·824	30·017	—·002	WNW	93	83·2	23 & 24 „	47·9	26th „	82·2	50·6	66·4	—0·1	61·7
	Sarun	Chupra	29·852	30·025	—·017	Variable	64	84·3	24th „	55·4	27 & 28 „	82·4	56·2	69·3	+1·7	63·9
South Behar.	Shahabad	Dehree	29·73.?	30·059?	+·014	—	—	83·3	26th „	54·5	22nd „	83·1	56·1	69·1	+3·0	64·1
		Buxar	29·836	30·041	—·005	NWly	67	83·5	24th „	53·9	22nd „	82·3	55·8	69·0	+1·3	65·3
		Arrah	29·878	30·039	+·007	Wly	37	84·6	24th „	60·8	22nd „	83·4	62·8	73·1	+5·6	63·6
	Gya	Gya	29·702	30·048	+·003	S	120	83·0	24th „	56·8	27th „	82·4	58·3	70·4	+3·2	64·9
	Patna	Bankipore	29·893	30·036	—·014	W	58	82·9	23 & 24 „	55·6	25th „	81·6	59·2	70·4	+3·4	66·3
	South Bhagulpore, Monghyr	Bhagulpore	29·695	30·015	—·002	Calm	2	83·7	22 & 24 „	53·0	25th „	83·1	58·4	70·7	+3·5	65·8
	Sonthal Pergunnahs	Doomka	29·542	30·011	—·003	Calm	43	83·6	27th „	57·5	25th „	82·7	59·3	71·0	+3·0	65·9
Chutia Nagpur.	Hazaribagh	Hazaribagh	28·014	30·026	—·002	Variable	130	79·1	26th „	52·9	22nd „	77·4	55·7	66·5	+2·0	64·7
	Lohardugga, Manbhoom	Ranchee	27·879	30·008	—·006	NWly & Calm	104	77·5	26th „	54·5	26th „	76·2	55·2	65·7	+2·1	64·7
	Singbhoom	Chyebassa	29·263	29·995	+·004	Calm	31	85·5	25th „	55·8	27th „	82·2	57·2	69·7	+1·1	67·8

* Mean of 6 days. | † Mean of 5 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last

The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

...or the week ending Saturday, the 28th of November 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	DISTRICT OBSERVATIONS. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
73	4·1	Nil	0·01	0·31	8·05	1·52	+6·53	8·33	5·52	+2·81	0·00	0·29	Pooree	Pooree	Orissa.
69	1·1	Nil											Gopalpore		
77	3·3	0·04											False Point		
67	2·0	Nil	Nil	0·12	7·57	0·85	+6·72	7·69	3·47	+4·22	0·00	0·15	Cuttack	Cuttack	
75	1·7	Nil	Nil	0·09	3·92	0·64	+3·28	3·97	2·39	+1·58	0·00	0·15	Balasore	Balasore	
86	3·4	Nil	Nil	0·03	2·40	0·25	+2·24	2·54	3·78	−1·24	0·00	0·10	Saugor Island	South-West Midnapore, South 24 Pergunnahs	South-West Bengal.
67	1·7	Nil	Nil	0·02	0·26	0·11	+0·15	0·28	1·57	−1·29	0·00	0·03	Midnapore	Midnapore	
77	0·1	Nil	Nil	0·03	0·41	0·18	+0·23	0·46	1·45	−0·99	0·00	0·06	Calcutta	24-Pergunnahs, Howrah, Hooghly	
63	1·1	Nil	0·03	0·01	0·51	0·11	+0·40	0·52	1·42	−0·90	0·00	0·05	Burdwan	Burdwan	
67	0·4	Nil	Nil	0·04	0·51	0·31	+0·20	0·56	1·39	−0·83	0·00	0·03	Bankoora	Bankoora	
66	0	Nil	Nil	0·02	1·14	0·12	+1·02	1·35	0·91	+0·44	0·00	0·04	Raneegunge	Beerbhoom, West Burdwan	
88	0·9	Nil	Nil	0·01	1·23	0·18	+1·05	1·34	0·80	+0·54	0·00	0·02	Berhampore	Moorshedabad	
78	1·0	Nil	Nil	0·02	0·66	0·26	+0·40	0·73	1·46	−0·73	0·00	0·05	Krishnagur	Nuddea	
86	2·3	Nil	Nil	0·02	1·78	0·21	+1·57	1·34	1·31	+0·03	0·00	0·07	Jessore	Jessore, Khoolna	
93	4·4	Nil	0·03	0·08	1·30	1·24	+0·06	2·81	4·38	−1·57	0·00	0·18	Chittagong	Chittagong	East Bengal.
			0·29	0·04	2·16	1·25	+0·91	3·33	3·72	−0·39	1·00	0·10	Domagiri	Chittagong Hill Tracts	
84	1·4	Nil	Nil	0·02	1·22	0·60	+0·62	1·34	3·00	−1·66	0·00	0·07	Burrisal	Backergunge	
85	0	Nil	Nil	0·06	1·14	1·30	−0·16	2·40	3·03	−1·33	0·00	0·16	Noakhally	Noakhally	
86	0·9	Nil	Nil	0·03	1·89	0·27	+1·62	1·90	1·51	+0·48	0·00	0·09	Furreedpore	Furreedpore	
85	0·6	Nil	Nil	0·02	2·45	0·44	+2·01	2·47	2·03	+0·44	0·00	0·06	Dacca	Dacca	
87	1·6	Nil	0·34	0·04	4·32	0·35	+3·97	5·07	1·98	+3·09	0·25	0·09	Commillah	Commillah	
86	1·1	0·54	0·13	0·02	1·65	0·23	+1·42	1·91	1·67	+0·24	0·40	0·08	Mymensingh	Mymensingh	
86	0	Nil	Nil	0·03	2·00	0·28	+1·81	2·34	1·00	+1·25	0·00	0·08	Bogra	Bogra	North Bengal.
91	1·1	Nil	Nil	0·02	1·03	0·21	+0·82	1·05	1·58	−0·53	0·00	0·08	Serajgunge	Pubna	
82	0·7	Nil	Nil	Nil	1·22	0·13	+1·04	1·22	0·93	+0·30	0·00	0·00	Rampore Beauleah	Rajshahye	
78	0·7	Nil	Nil	0·02	0·14	0·20	−0·06	0·16	1·08	−0·92	0·00	0·06	Maldah	Maldah	
76	0·3	Nil	Nil	0·02	0·19	0·12	+0·07	0·19	0·58	−0·39	0·00	0·08	Dinagepore	Dinagepore	
82	0	Nil	Nil	0·01	0·15	0·09	+0·06	0·17	0·96	−0·79	0·00	0·05	Rungpore	Rungpore	
80	0	Nil	Nil	0·03	Nil	0·07	−0·07	Nil	1·17	−1·17	0·00	0·14	Julpigoree	Julpigoree, Cooch Behar	
63	1·4	Nil	Nil	0·03	0·11	0·27	−0·16	0·71	1·98	−1·27	0·00	0·10	Darjeeling	Darjeeling Hill Tracts	
90	0·6	Nil	Nil	0·03	Nil	0·06	−0·06	Nil	0·90	−0·90	0·00	0·12	Purneah	Purneah, North Bhagulpore	North Behar.
80	0	Nil	Nil	0·03	Nil	0·09	−0·09	0·06	0·83	−0·77	0·00	0·11	Mozufferpore	Mozufferpore	
79	0	Nil	Nil	0·03	Nil	0·06	−0·06	Nil	0·71	−0·71	0·00	0·08	Durbhunga	Durbhunga	
85	0	Nil	Nil	Nil	Nil	0·01	−0·01	Nil	0·28	−0·28	0·00	0·03	Motihari	Chumparun	
80	0	Nil	Nil	0·10	Nil	0·18	−0·18	0·05	0·74	−0·69	0·00	0·18	Chupra	Sarun	
70	0	Nil	Nil	0·11	Nil	0·27	−0·27	0·04	1·12	−1·08	0·00	0·18	Dehree	Shahabad	South Behar.
68	0·1	Nil											Buxar		
82	0	Nil											Arrah		
70	0·6	Nil	Nil	0·10	Nil	0·24	−0·24	0·20	0·77	−0·57	0·00	0·28	Gya	Gya	
67	0	Nil	Nil	0·09	Nil	0·19	−0·19	0·13	1·11	−0·98	0·00	0·19	Bankipore	Patna	
75	1·0	Nil	Nil	0·08	Nil	0·20	−0·20	0·07	1·15	−1·08	0·00	0·23	Bhagulpore	South Bhagulpore, Monghyr	
66	0	Nil	Nil	0·03	0·46	0·16	+0·31	0·49	1·06	−0·57	0·00	0·10	Doomka	Sonthal Pergunnahs	
58	0·6	Nil	Nil	0·11	0·15	0·30	−0·15	0·15	0·88	−0·73	0·00	0·29	Hazaribagh	Hazaribagh	Chutia Nagpur.
66	1·4	Nil	Nil	0·19	0·12	0·32	−0·20	0·18	1·21	−1·03	0·00	0·31	Ranchi	Lohardugga	
			Nil	0·02	0·23	0·13	+0·09	0·46	1·00	−0·54	0·00	0·05		Manbhoom	
69	0·4	Nil	Nil	Nil	0·48	0·18	+0·30	0·54	1·38	−0·84	0·00	0·06	Chyebassa	Singbhoom	

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean
ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the sub-divisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 28th of November 1891.

Meteorological division.	District.	Station.	Rainfall.							Total—						
			Sunday, 22nd Nov.	Monday, 23rd Nov.	Tuesday, 24th Nov.	Wednesday, 25th Nov.	Thursday, 26th Nov.	Friday, 27th Nov.	Saturday, 28th Nov.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA ...	Pooree ...	Pooree ...	...	...	...	...	...	...	...	Nil	Nil	0·52	15·91	1·35	15·91	6·52
		Khurdah ...	...	...	...	...	...	...	...	Nil	Nil	0·23	3·74	0·90	3·74	4·05
		Banpur ...	...	...	...	...	...	...	...	Nil	Nil	0·23	1·50	2·12	1·77	5·15
		False Point ..	...	...	0·04	...	...	...	...	Nil	0·04	0·20	11·10	1·63	12·25	6·35
		Gop ...	...	...	...	...	...	...	...	Nil	Nil	?	19·70	?	?	?
		Satpara ...	...	...	...	...	...	...	...	Nil	Nil	?	3·95	?	4·10	?
		Pipli	...	...	...	...	...	...	...	Nil	Nil	?	6·95	?	0·98	?
	Cuttack	Jagatsingpore	...	...	...	...	...	...	...	Nil	Nil	0·21	12·47	0·85	12·47	3·76
		Banki	...	...	...	...	...	...	...	Nil	Nil	0·05	1·17	1·73	1·17	2·84
		Cuttack ...	...	...	...	...	...	...	...	Nil	Nil	0·21	4·87	0·71	4·87	2·69
		Kendrapara ...	...	...	...	...	...	...	...	Nil	Nil	0·06	16·12	0·49	16·72	3·65
		Jajpore ...	...	...	...	...	...	...	...	Nil	Nil	0·05	3·24	0·43	3·24	2·61
		Dharmsala .	...	...	...	...	...	...	...	Nil	Nil	?	5·30	?	5·30	?
		Salipore	...	...	...	...		...	...	Nil	[illegible]	?	8·20	?	8·20	?
	Balasore	*Akhyapada* ...	...	...	...	...	...	...	...	Nil	Nil	?	4·74	?	4·74	?
		Chandbali ...	...	...	...	...	...	...	...	Nil	Nil	0·02	10·38	1·14	10·90	3·35
		Bhuddruck ...	...	...	...	...	...	...	...	Nil	Nil	0·08	5·55	0·74	5·85	2·69
		Sorah ...	...	...	...	...	...	...	...	Nil	Nil	0·08	3·93	0·59	3·93	2·52
		Balasore ..	...	...	...	...	...	...	.	Nil	Nil	0·16	2·47	0·42	2·47	3·10
		Jellasore ..	...	...	...	...	...	...	...	Nil	Nil	0·05	0·8[illegible]	0·25	0·82	1·11
		Haripodah ..	...	...	...	...	...	...	...	Nil	Nil	0·14	0·35	0·09	0·35	1·72
SOUTH-WEST BENGAL.	Midnapore	Contai	...	...	...	...	...	...	...	Nil	Nil	0·02	2·40	0·18	2·40	4·44
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	0·03	4·29	0·24	4·44	4·66
		Tumlook ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·35	0·16	0·35	2·18
		Midnapore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·18	0·10	0·18	1·93
		Ghattal ...	...	...	...	...	...	...	...	Nil	Nil	0·06	0·26	0·08	0·33	0·60
		Kukrahaty ..	...	...	...	...		...	...	Nil	Nil	?	0·31	?	0·31	?
		Garbetta ...	...	...	...	...	...	...	...	Nil	Nil	?	0·19	?	0·19	?
	24-Pergunnahs	Diamond Harbour ..	...	...	...	...	...	...	...	Nil	Nil	0·04	0·70	0·28	0·78	2·21
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	?	2·31	?	2·31	?
		Alipore Jail ..	...	...	...	...	...	...	...	Nil	Nil	0·01	0·43	0·15	0·43	1·84
		Barrackpore ...	...	...	...	...	...	...	...	Nil	Nil	0·02	0·18	0·54	0·28	1·38
		Dum-Dum ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·40	0·10	0·40	1·55
		Baraset .	...	...	...	...	...	...	...	Nil	Nil	0·03	0·21	0·23	0·36	1·55
		Buseerhat ...	...	...	...	...	...	...	...	Nil	Nil	0·02	1·28	0·20	1·28	1·52
	Howrah	Howrah	...	...	...	...	...	...	...	Nil	Nil	0·01	0·20	0·21	0·23	1·68
		Mohesreka ...	...	...	...	...	...	...	...	Nil	Nil	0·11	0·41	0·27	0·41	0·98
		Oolooberiah ...	...	...	...	...	...	...	...	Nil	Nil	?	0·36	?	0·36	?
	Hooghly ...	Serampore ..	...	...	...	...	...	...	...	Nil	Nil	0·02	0·25	0·11	0·49	1·29
		Hooghly ...	...	...	...	...	...	...	...	Nil	Nil	0·03	0·33	0·16	0·33	1·47
		Jehanabad	...	...	...	...	...	...	...	Nil	Nil	0·03	0·30	0·08	0·30	1·30
	Burdwan	Culna .	...	...	...	...	...	...	...	Nil	Nil	0·03	0·38	0·10	0·28	1·30
		Burdwan ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·25	0·06	0·28	1·47
		Cutwa .	...	...	...	...	...	...	0·08	Nil	0·08	0·01	0·98	0·19	0·98	1·42
		Raneegunge ...	...	...	...	...	...	...	...	Nil	Nil	0·07	0·28	0·15	0·56	1·03
		Mankur ...	...	...	...	...	...	...	...	Nil	Nil	?	0·70	?	0·85	?
	Bankoora ...	Bankoora ...	...	...	...	...	...	...	...	Nil	Nil	0·08	0·69	0·21	0·69	1·40
		Bishenpore ...	...	...	...	...	...	...	...	Nil	Nil	0·02	0·37	0·33	0·37	1·31
		Maliara ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·47	0·09	0·65	1·06
		Khatra ...	...	...	...	...	...	...	...	Nil	Nil	0·07	0·50	0·04	0·50	1·71
		Indas ...	...	...	...	...	...	...	...	Nil	Nil	?	0·46	?	0·46	?
		Kotalpore ...	...	...	...	...	...	...	...	Nil	Nil	?	0·30	?	0·30	?
		Anda ...	...	...	...	...	...	...	...	Nil	Nil	?	0·41	?	0·41	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	?	0·29	?	0·29	?
		Raipore ...	...	...	...	...	...	...	...	Nil	Nil	?	0·82	?	0·82	?
		Sonamukhi ...	...	...	...	...	...	...	...	Nil	Nil	?	0·51	?	0·51	?
	Beerbhoom	Bh. Soory ..	...	...	...	...	...	...	...	Nil	Nil	0·01	1·43	0·11	1·45	1·24
		Hetampore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·12	0·09	1·52	0·55
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	0·01	1·74	0·14	1·88	0·81
		Bolpore ...	...	...	...	...	...	...	...	Nil	Nil	?	1·75	?	2·10	?
		Murarai ...	...	...	...	...	...	...	...	Nil	Nil	?	0·56	?	0·56	?
	Nuddea .	Ranaghat ..	...	...	...	...	...	...	...	Nil	Nil	0·03	0·54	0·31	0·56	1·50
		Kishnaghur ...	...	...	...	...	...	...	...	Nil	Nil	0·01	1·30	0·23	1·30	1·14
		Choosdanga .	...	...	...	...	...	...	...	Nil	Nil	0·03	0·16	0·41	0·37	1·85
		Meherpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·30	0·10	0·30	1·29
		Kooshtea	...	...	...	...	...	...	...	Nil	Nil	0·01	1·00	0·25	1·00	1·49
	Khoolna ..	Satkhira .	...	...	...	...	...	...	...	Nil	Nil	0·01	3·13	0·33	3·13	1·85
		Bagirhat ...	...	...	...	...	...	...	...	Nil	Nil	0·01	2·44	0·29	2·78	1·92
		Khoolna ...	...	...	...	...	...	...	...	Nil	Nil	0·03	3·80	0·34	3·89	2·01
		Nakipur ...	...	...	...	...	...	...	...	Nil	Nil	?	2·82	?	2·82	?
		Rampal .	...	...	...	...	...	...	...	Nil	Nil	?	1·80	?	1·80	?
	Jessore ...	Narail .	...	...	...	...	...	...	...	Nil	Nil	Nil	2·13	0·12	2·13	2·11
		Jessore ...	...	...	...	...	...	...	...	Nil	Nil	0·03	1·33	0·16	1·39	1·99
		Jhenidah ..	...	...	...	...	...	...	...	Nil	Nil	0·07	0·30	0·24	0·34	1·77
		Magoorah ..	...	...	...	...	...	...	...	Nil	Nil	0·01	0·52	0·16	0·52	1·29
		Bongong ..	...	...	...	...	...	...	...	Nil	Nil	Nil	0·55	0·07	0·56	1·63
	Moorshedabad	Kandi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·20	0·32	1·20	1·01
		Berhampore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·06	0·19	1·06	0·84
		Lalbagh ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·76	0·16	0·86	0·86
		Azimgunge ...	...	...	...	...	...	...	...	Nil	Nil	0·01	1·30	0·16	1·86	0·81
		Jungipore ...	...	...	...	...	...	...	...	Nil	Nil	0·03	1·43	0·11	1·43	0·69
		Lalkola ...	...	...	...	...	...	...	...	Nil	Nil	0·01	1·60	0·13	1·60	0·61
		Azimgunj ...	...	...	...	...	...	...	...	Nil	Nil	?	0·71	?	1·63	?
		Patkabari ..	...	...	...	...	...	...	...	Nil	Nil	?	0·40	?	1·10	?
EAST BENGAL	Chittagong	Cox's Bazar ...	0·05	0·01	...	...	...	...	...	Nil	0·06	0·15	1·19	1·45	3·97	5·63
		Chittagong ...	...	...	...	...	...	...	...	Nil	Nil	0·02	1·39	1·02	1·63	3·09
		Kutubdia ...										?	2·78	?	3·59	?
		Satkanya ..	...	...	...	...	...	...	...	Nil	Nil	?	2·96	?	3·70	?
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	...	0·29	...	1	0·29	0·04	2·16	1·25	3·33	3·72
		Bundarbun ...	...	...	...	...	...	...	...	Nil	Nil	?	2·16	?		?
	Backergunge	Patuakhally ...	...	...	...	...	...	...	...	Nil	Nil	0·02	0·73	0·53	0·93	2·81
		Perozepore ..	...	...	...	...	...	...	...	Nil	Nil	0·02	1·0[illegible]	0·42	1·69	2·77
		Burrisal ...	...	...	...	...	...	...	...	Nil	Nil	0·02	2·10	0·55	2·21	2·97
		Bhola ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·38	0·80	0·58	2·90

atement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 28th of November 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 22nd Nov.	Monday, 23rd Nov.	Tuesday, 24th Nov.	Wednesday, 25th Nov.	Thursday, 26th Nov.	Friday, 27th Nov.	Saturday, 28th Nov.	Total.— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
st Bengal—concld.		*Gournaddi* ...	...	...	...	...	...	...	...	Nil	Nil	?	2·35	?	4·01	?
		Bauphal ...	...	...	...	...	...	...	...	Nil	Nil	?	0·75	?	1·56	?
	Noakholly ...	Noakholly ...	...	...	...	...	...	...	...	Nil	Nil	0·02	0·84	0·63	2·71	3·43
		Fenny ...	...	...	...	...	...	...	...	Nil	Nil	0·11	1·44	1·96	2·03	4·43
		Harishpore ...	...	...	...	...	...	...	...	Nil	Nil	?	0·45	?	0·47	?
		Ramganj ...	...	...	...	...	...	...	...	Nil	Nil	?	1·28	?	1·39	?
	Furreedpore	Madaripore ...	...	...	...	...	...	...	...	Nil	Nil	0·03	4·11	0·24	4·24	1·47
		Furreedpore ...	...	...	...	...	...	...	...	Nil	Nil	0·03	1·07	0·31	1·07	1·46
		Goalundo ...	...	...	...	...	...	0·01	...	Nil	0·01	0·02	0·50	0·23	0·53	1·57
	Dacca ...	Munshigunge	...	...	...	...	...	...	...	Nil	Nil	0·02	3·70	0·35	3·78	2·24
		Dacca ...	...	...	...	...	...	...	...	Nil	Nil	0·01	1·98	0·29	1·90	1·33
		Naraingunge	...	...	...	...	...	...	...	Nil	Nil	Nil	3·34	0·25	3·34	3·02
		Manickgunge	...	...	...	...	...	...	...	Nil	Nil	0·03	0·82	0·23	0·82	1·41
		Joydebpore ...	...	...	...	...	...	...	...	Nil	Nil	?	1·95	?	1·95	?
	Hill Tipperah	Agartola ...	...	...	...	...	...	1·35	...	1	1·35	0·08	5·16	0·49	7·49	2·80
	Tipperah ...	Comilla ...	...	...	...	...	...	...	...	Nil	Nil	0·06	4·54	0·47	6·12	1·00
		Chandpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	4·45	0·14	4·45	1·39
		Brahmunberia	...	...	...	...	...	...	...	Nil	Nil	0·03	3·19	0·32	4·59	1·83
		Ramchandrapore ...	...	...	...	...	...	...	...	Nil	Nil	?	2·94	?	3·43	?
		Nasirnagar ...	...	...	...	...	0·30	...	...	1	0·30	?	1·55	?	1·55	?
		Daudkandi ...	...	...	...	...	...	...	...	Nil	Nil	?	3·17	?	3·17	?
		Kasba ...	...	...	...	...	...	...	...	Nil	Nil	?	5·92	?	7·29	?
		Laksham ...	...	...	...	...	...	...	...	Nil	Nil	?	1·20	?	2·05	?
	Mymensingh..	Kishoregunge	...	...	...	...	...	...	...	Nil	Nil	0·02	1·67	0·25	1·67	1·42
		Atia (*Tangail*)	...	...	...	...	...	...	...	Nil	Nil	0·03	0·63	0·13	0·63	1·51
		Mymensingh	...	...	...	...	...	0·54	...	1	0·54	0·02	2·38	0·19	2·[illegible]7	1·70
		Jamalpore ...	...	...	...	...	...	...	...	Nil	Nil	0·02	1·00	0·20	3·00	1·36
		Netrokona ...	...	...	...	...	...	0·13	...	1	0·13	Nil	1·71	0·35	1·71	2·31
		Subornakhali	...	...	...	...	...	...	...	Nil	Nil	?	1·10	?	1·10	?
		Durgapore ...	...	...	...	...	...	...	...	Nil	Nil	?		?		?
		Sherepore Town	...	...	...	...	...	...	...	Nil	Nil	?	2·08	?	2·08	?
		Dewanganj ...	...	...	...	...	...	...	...	Nil	Nil	?	1·84	?	1·84	?
North Bengal.	Pubna ...	Pubna ...	...	...	...	...	...	...	...	Nil	Nil	0·01	0·93	0·14	0·93	1·50
		Serajgunge ...	...	...	...	...	...	...	...	Nil	Nil	0·02	1·06	0·28	1·09	1·03
	Bogra ...	Sherepore ...	...	...	...	...	...	...	...	Nil	Nil	0·02	1·70	0·43	2·64	1·37
		Nowkhilla ...	...	...	...	...	...	...	...	Nil	Nil	0·04	2·67	0·45	2·67	1·30
		Bogra ...	...	...	...	...	...	...	...	Nil	Nil	0·03	3·60	0·23	3·60	1·29
		Panchbibi ...	...	...	...	...	...	...	...	Nil	Nil	0·01	0·30	0·02	0·15	0·44
	Rajshahye ...	Beauleah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·31	0·14	0·31	0·08
		Nattore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·44	0·21	1·44	1·14
		Naogaon ...	...	...	...	...	...	...	...	Nil	Nil	Nil	1·50	0·18	1·90	0·81
		Lalpore ...	...	...	...	...	...	...	...	Nil	Nil	?	1·07	?	1·07	?
		Manda ...	...	...	...	...	...	...	...	Nil	Nil	?	1·00	?	1·00	?
	Maldah ...	Maldah ...	...	...	...	...	...	...	...	Nil	Nil	0·01	0·23	0·17	0·28	1·36
		Chanchal ...	...	...	...	...	...	...	...	Nil	Nil	0·02	0·02	0·21	0·03	0·70
		Gajol ...	...	...	...	...	...	...	...	Nil	Nil	?	0·15	?	0·15	?
		Sibganj ...	...	...	...	...	...	...	...	Nil	Nil	?	0·95	?	0·95	?
	Dinagepore	Mohadebpore	...	...	...	...	...	...	...	Nil	Nil	0·01	0·70	0·09	0·70	0·39
		Churamon ...	...	...	...	...	...	...	...	Nil	Nil	0·02	0·08	0·18	0·08	0·27
		Raigunge ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·19	Nil	0·20
		Dinagepore ...	...	...	...	...	...	...	...	Nil	Nil	0·09	Nil	0·09	Nil	1·82
		Baloorghat	...	...	...	...	...	...	...	Nil	Nil	Nil	0·17	0·12	0·17	0·39
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Rungpore ...	Bhowanigunge (*Gyabanda*)	...	...	...	...	...	...	...	Nil	Nil	0·05	0·46	0·11	0·54	1·12
		Rungpore ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·09	0·09	0·09	1·30
		Kurigram ...	...	...	...	...	...	...	...	Nil	Nil	Nil	0·06	0·10	0·06	0·75
		Bagdogra (*Nilphamari*)	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·02	Nil	0·48
		Ulipore ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·48	?
	Jalpigoree ...	Jalpigoree ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·19	Nil	2·16
		Alipore Dooar	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Debiganj ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Bhagatpore (*Nagrakatta*)	...	...	...	...	...	...	...	Nil	Nil	?	0·06	?	1·41	?
	Cooch Behar..	Dinhatta ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·05	Nil	0·87
		Cooch Behar..	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·06	Nil	1·12
		Mekligunge .	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·07	Nil	0·87
		Mathabhanga...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·07	Nil	0·79
	Darjeeling Hill	Buxa ...	...	...	...	...	...	...	...	Nil	Nil	0·04	0·45	0·55	2·31	3·27
		Silliguri ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·32	Nil	0·68
		Darjeeling ...	...	...	...	...	...	...	...	Nil	Nil	0·06	0·01	0·17	0·07	3·43
		Kalimpong ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·28	0·57	0·55
		Kurseong ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
North Behar	Purneah ...	Kissengunge...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·06	Nil	0·98
		Arrareah ...	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·05	Nil	0·83
		Purneah ...	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·08	Nil	1·47
		Gondwara ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Balarampore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Manari ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Kaliaganj ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddapore ...	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·06	Nil	0·[illegible]
		Soopool ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·04	Nil	0·78
		Protabganj ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Durbhunga ...	Tajpore ...	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·09	Nil	0·73
		Durbhunga ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·07	Nil	0·72
		Madhubani ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·03	Nil	0·69
		Bahera ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Roshera ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamarhi ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·01	Nil	0·40
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·10	Nil	1·30
		Hajipore ...	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·14	0·17	0·09
		Paru ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Mahua ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sinhar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Pupri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 28th of November 1891—concl.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
			Sunday, 22nd Nov.	Monday, 23rd Nov.	Tuesday, 24th Nov.	Wednesday, 25th Nov.	Thursday, 26th Nov.	Friday, 27th Nov.	Saturday, 28th Nov.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·01	Nil	0·22
		Bettiah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·01	Nil	0·23
		Bagaha ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sarun ...	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·14	0·07	0·24
		Sewan .	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·12	0·09	1·05
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	0·23	Nil	0·29	Nil	0·91
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·17	0·18	1·11
		Dehree .	......	......	......	......	......	......	......	Nil	Nil	0·15	Nil	0·24	Nil	0·93
		Bhaboosh ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·52	Nil	1·44
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·23	Nil	1·26
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·17	Nil	0·85
		Mohaniah ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad...	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·22	Nil	0·51
		Gya ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·26	0·73	0·96
		Nowadah ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·19	0·07	0·81
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·28	Nil	0·78
		Arwal .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Daudnagar .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sherghatti .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·26	?
		Rajauli .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·03	?
	Patna	Patna ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·15	0·21	1·07
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·13	0·10	1·05
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·24	0·06	1·18
		Barrh ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·23	0·13	1·15
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hilsa .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
	Monghyr ...	Begooserai ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·33	0·05	1·30
		Monghyr ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·13	Nil	1·25
		Jamui ..	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·10	0·10	0·80
		Gogri ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sheikpura ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore	Bhagulpore ...	......	......	......	......	......	......	......	Nil	Nil	0·09	0·01	0·30	0·01	1·09
		Banka .	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·13	0·18	1·28
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bongaon ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·14	0·12	0·14	0·98
		Godda ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·10	0·08	0·80
		Pakour	......	......	......	......	......	......	......	Nil	Nil	0·03	1·82	0·08	1·85	0·90
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	0·01	0·36	0·17	0·38	0·99
		Deoghur	......	......	......	......	......	......	......	Nil	Nil	0·06	0·12	0·15	0·18	1·66
		Jamtara ...	......	......	......	......	......	......	......	Nil	Nil	0·01	0·30	0·29	0·30	1·03
		Mohagama .										?		?		?
		Nansaut ..	......	......	......	......	......	......	......	Nil	Nil	?	0·61	?	1·76	?
CHUTIA NAGPUR.	Hazaribagh .	Pachamba ... (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·21	Nil	1·00
		Hazaribagh	......	......	......	......	......	......	......	Nil	Nil	0·08	0·15	0·24	0·15	0·92
		Semtakurah	......	......	......	......	......	......	......	Nil	Nil	0·18	Nil	0·35	Nil	0·68
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·27	Nil	0·66
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·40	0·50	0·98
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	?	0·07	?	0·07	
		Chatra ..	......	......	......	......	......	......	......	Nil	Nil	?	0·05	?	0·07	?
		Karagdeha ...	......	......	......	......	......	......	......	Nil	Nil	?	0·17	?	0·17	?
		Ramghar .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	?
	Lohardugga ..	Lohardugga...	......	......	......	......	......	......	......	Nil	Nil	0·35	0·04	0·50	0·22	1·31
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	0·08	0·26	0·20	0·26	1·17
		Palamow	......	......	......	......	......	......	......	Nil	Nil	0·15	0·06	0·26	0·06	1·17
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Balumat ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hosseinabad	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Garwah ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Singbhoom	Chyebassa ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·48	0·18	0·54	1·38
		Chakradharpore.	......	......	......	......	......	......	......	Nil	Nil	?		?		?
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	?	0·88	?	0·88	?
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	?	0·30	?	0·62	?
	Manbhoom .	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	0·03	0·43	0·13	0·65	0·97
		Gobindpore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·13	0·25	1·03
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Burrabhoom	......	......	......	......	......	......	......	Nil	Nil	?	0·70	?	0·70	?
		Jhalda ...	......	......	......	......	......	......	......	Nil	Nil	?	0·23	?	0·23	?
		Chas ..	......	......	......	......	......	......	......	Nil	Nil	?	0·19	?	0·19	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 1st December* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY, THE 28TH OF NOVEMBER 1891.

DURING the previous week the weather conditions in the south of the Bay had been decidedly disturbed for a considerable period, but up to the close of that period no storm had been formed, and indeed on the 21st, or the last day of that week, conditions were much less disturbed than they had been, and on the Saturday there were no indications even of the existence of any barometric depression of importance, and still less of the formation of a storm. It is probable, however, that on the morning of this day a storm was gradually developing over the area in the Bay where pressure had been persistently low for several days, for the observations received on the morning of Sunday 22nd indicated very clearly that a cyclonic storm had formed to the west-south-west or south-west of Diamond Island, and apparently not very far away from land, the storm being well on the east side of the Bay. After its formation the storm commenced to move rather rapidly in a north-easterly or north-north-easterly direction. The centre of the cyclone passed to the west of Diamond Island about 5 A.M. of the 23rd, and during the passage of the storm near Diamond Island, even though the centre of the storm was not by any means near the land—for the lowest barometric reading recorded there was not lower than about 29.6 inches—that station reported winds of hurricane force with a tremendous sea, and for part of the night the wind velocity averaged 45 miles an hour. As the storm approached nearer the land the direction of its advance became more easterly, and during a large part of the 23rd it was advancing in a north-easterly or east-north-easterly direction, and perhaps when it struck the coast on the night of the 23rd or the morning of the 24th it was even travelling in an easterly direction. There are no meteorological observatories on the Burma coast between Diamond Island and Akyab, a distance of about 350 miles; but, so far as can be judged, the storm crossed the coast about midway between the two stations, though in the absence of any neighbouring observatory it is impossible to say the precise point of the coast crossed by the storm or what the depression of the barometer was near the centre of the storm. From the wind velocities recorded at Diamond Island, which are some of the highest ever registered at that station, it is clear the storm was a very severe one, and that such was the case is also proved by the experience of various vessels which were involved in the cyclone and which suffered damage from it. Directly, however, the storm passed inland and into the Arakan Hills, it must have commenced to break up rapidly, for at 8 A.M. of the 24th there was very little evidence of the existence of the storm at all, though pressure was still low over Burma, and by the morning of the 25th all trace of the existence of the former fierce cyclone had disappeared. The storm was probably of small diameter only though very fierce; it had also an exceedingly short life history, and the amount of rainfall brought up by it was comparatively small and was mainly confined to Burma.

From the 26th to the 28th, or for the remainder of the week, there was again ample evidence of the existence of a low-pressure area in the south of the Bay probably between the Andamans and the Madras coast; but this did not develop in any way, although the strong easterly and north-easterly winds which continued to blow at Diamond Island at this time pointed to the existence of squally unsettled weather generally in the south and east of the Bay.

As is usual, the disturbed weather in the Bay reacted on the general weather conditions in Bengal, and again the week has been one in which the cold weather conditions have not been at all fully developed. During the existence of the storm, and to a smaller extent at the close of the week, the skies became more clouded than usual, the air became damp, and temperature rose and became very much above the normal; pressure also fell for a considerable period, but the storm was too far away to affect the general pressure in Bengal to any material extent. As might be expected, the weather was more affected in the southern and south-eastern districts than elsewhere, and at a few stations in South-East Bengal a few light showers were reported; but these were of little practical importance. Elsewhere the whole province has again been rainless during the week.

Pressure.—The mean pressure for the week has been slightly below the normal over the greater part of the province, but the defects have been largest at the southern stations, where they generally equal from 0·02" to 0·03". At the northern stations in the province the defects are either very small and of only a few thousandths of an inch, or in several cases very slight excess amounts have been registered.

Temperature.—The mean temperature for the week has been from 2° to 3° in excess of the normal in South, West, East and North Bengal, and in Chutia Nagpur and South Behar. In Orissa the excess has been 1·6° and in North Behar 0·6°. For the whole province, therefore, the mean temperature for the week has been 2·1° in excess of the normal. The distribution of temperature during the week and its variation from the normal are best seen in the table below, where the average maximum, minimum and mean temperatures for the week at nine typical stations in different districts of the province are compared with their normal

values for the same period. The excess temperature, it will be seen, has been almost equally marked in both day and night temperatures :—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 28th November 1891.

	Normal mean maximum temperature for the week ending 28th November.	Actual mean maximum temperature for the week ending 28th November 1891.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 28th November.	Actual mean minimum temperature for the week ending 28th November 1891.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 28th November.	Actual mean daily temperature for the week ending 28th November 1891.	Variation of actual mean from the normal.
Cuttack	84·3	84·7	+0·2	63·3	63·3	0	73·9	74·0	+0·1
Calcutta	79·9	83·3	+3·4	61·4	63·7	+2·3	70·6	73·5	+2·9
Dacca	82·5	84·5	+2·0	63·1	63·0	+0·8	72·8	74·2	+1·4
Burdwan	81·3	84·8	+3·5	60·7	61·6	+0·9	71·0	73·2	+2·2
Patna	78·4	81·6	+3·2	55·8	59·2	+3·4	67·1	70·4	+3·3
Gya	79·6	82·4	+2·8	54·7	58·3	+2·6	67·2	70·4	+3·2
Purneah	79·9	83·4	+3·5	55·7	52·1	−3·6	67·8	67·8	0
Hazaribagh	74·5	77·4	+2·9	54·5	55·7	+1·2	64·5	66·5	+2·0
Darjeeling	53·1	57·3	+4·2	40·1	42·9	+2·8	46·6	50·1	+3·5

Rainfall.—The only stations at which falls in excess of a tenth of an inch have fallen during the week have been Rangamati, Agartolah (1·35 inches), Mymensingh (0·54 inch during a dust storm accompanied by rain and hail), and Netrokona. Elsewhere the whole province has been practically rainless.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 28th of November 1891 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	86·7	59·6	83·6	64·7	74·2	+1·6	Nil	0·16	−0·16	0·00	0·18	−0·18	0·25	0·94	6·30	3·58
South-West Bengal ...	86·7	57·0	83·9	62·5	73·2	+2·2	Nil	0·02	−0·02	0·00	0·05	−0·05	0·98	0·20	1·06	1·54
East Bengal	89·0	59·8	84·0	64·4	74·3	+2·8	0·10	0·03	+0·07	0·16	0·09	+0·07	1·53	0·54	2·48	2·43
North Bengal	85·3	52·1	83·3	59·4	71·4	+1·9	Nil	0·02	−0·02	0·00	0·08	−0·08	0·60	0·15	0·65	1·60
North [illegible]har	84·3	40·3	82·5	53·9	68·2	+0·6	Nil	0·04	−0·04	0·00	0·11	−0·11	Nil	0·69	0·01	0·77
South Behar	84·6	53·0	82·5	58·6	70·5	+3·3	Nil	0·08	−0·08	0·00	0·19	−0·19	0·11	0·20	0·19	1·04
Chutia Nagpur	79·1*	52·9*	76·8*	55·4*	66·1*	+2·1*	Nil	0·11	−0·11	0·00	0·30	−0·20	0·14	0·26	0·21	1·03

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 1st December 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 22nd to 28th November 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Nov.	22nd	140·7	8·6	29·871	72·6	83·9	20 8	63·1	66·5	0·574	62·8	73	N and calm ..	70	Nil	Chiefly clear, ⌓.
,,	23rd	136·5	9·6	·869	74·0	84·5	18·1	66·4	67·2	·569	62·6	68	ENE, N, and N by W	104	,,	Chiefly clear.
,,	24th	137 0	9·6	·899	72·8	83 0	18·8	64·2	65·5	·534	60·8	67	NNW and N ...	118	,,	Clear.
,,	25th	135·5	9·5	·973	71·9	83·2	20·2	63 0	65 3	·539	61·0	70	N and N by W ...	66	,,	Clear.
,,	26th	130·1	7·6	30·029	72·4	82·6	20·5	62·1	66·0	·555	61·8	69	N by W, N by E, and NW by W	43	,,	Chiefly clear, ⌓.
,,	27th	146·5	8·1	·054	72·3	83·1	20·9	62·2	66·8	·585	63·4	74	NW by W, N E, and calm.	46	,,	Chiefly clear, ⌓.
,,	28th	141·2	8·8	·018	73·2	82 7	18·5	64·2	67·8	·609	64·6	74	NE, ENE, and ESE	45	,,	Chiefly clear, ⌓.

	Inches.
The mean pressure of the seven days	29·963
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	30 000
	Hours.
The total number of hours of bright sunshine	61·8
The maximum possible number of hours of sunshine	76·2
	°
The mean temperature of the seven days	72 8
The average temperature of the corresponding period for 24 years, S.-G.'s Office	71·7
The extreme variation of temperature	22·4
The maximum temperature	84·5
	Miles.
The highest velocity of the wind in one hour	10
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	71
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	71
	Inches.
The total fall of rain from 22nd to 28th November 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·01
The total fall from 1st January to 28th November 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	65·15

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

⌓, dew.

C. Little,
For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 30*th November* 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 22nd to 28th November 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
November ...	22nd ...	29·932	73·9	84·9	22·0	62·9	77·6	68·0	·558	62·0	59	Nil
,, ...	23rd ...	·909	75·9	84·9	18·0	66·9	78·4	70·1	·628	65·5	64	,,
,, ...	24th ...	·953	73·4	83·9	21·0	62·9	76·6	67·6	·557	62·0	61	,,
,, ...	25th ...	30·041	73·0	83·9	21·8	62·1	77·6	67·6	·543	61·3	56	,,
,, ...	26th ...	·090	72·9	83·9	22·0	61·9	78·4	69·6	·608	64·5	62	,,
,, ...	27th ...	·096	73·4	83·9	21·0	62·9	79·1	70·6	·636	65·8	64	,,
,, ...	28th ...	·098	74·7	84·4	19·5	64·9	78·8	70·6	·640	66·0	65	,,

	Inches.
The mean 10 A.M. pressure of the seven days	30·017
The mean temperature of the seven days	73·9
The extreme variation of temperature	23·0
The maximum temperature	84·9
	%
The mean 10 A.M. relative humidity of the seven days	62
The total fall of rain from 22nd to 28th November 1891	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 30th November 1891.

MEMORANDUM.

Report on the Monthly Statistics of Deaths registered in forty-five districts of Bengal for the month of August 1891.

THE total number of deaths registered in forty-five districts of Bengal during the month of August 1891 amounted to 142,154, against 116,479 in August 1890, and an average of 120,573 in the corresponding month of the previous five years, 1886—90. These figures represent an annual death-rate of 25·80, 21·12 and 21·96 per 1,000, respectively, of the aggregate population of those districts, which is 65,859,534. The death-rate of August 1891 is 3·84 higher than the mean rate of the corresponding month of the past five years, 1886—90, and is also higher than the rate of the corresponding period of any of the past five years with which comparison is instituted, *vide* the figures below—

	August 1886.	August 1887.	August 1888.	August 1889.	August 1890.	Monthly average of five years, 1886—90.	August 1891.
Number of deaths	113,678	137,368	108,530	126,815	116,479	120,573	142,154
Ratio per mille per annum	20·04	24·96	19·68	23·04	21·12	21·96	25·80

It will also be seen from the following table that the death-rate of the forty-five districts during August 1891 is greater than the previous months of the year except January, March and April:—

Months.			*Number of deaths.*	*Ratio per mille.*
January	...	..	143,492	26·04
February	...	...	137,553	24·96
March	...	...	168,185	30·60
April	...	...	161,980	29·52
May	...	...	125,975	22 92
June	...	...	140,594	25·56
July	...	...	121,977	22 20
August	...	...	142,154	25·80

The following table exibits the registered results as they occurred among the different sexes and the several classes of the community which comprise the population of the Bengal Province. As usual, more males died than females. The ratio of deaths among the sexes, calculated on the proportion the mortality bears to the total male and female population of the province, is as 116 is to 100; but, individually considered, in only three districts, viz, Dinagepur, Darjeeling, and Noakhali, the death-rates among females is greater than that among males. Of the several classes of the community, in proportion to population, death is greater among the Hindus, next among Buddhists, then among the Other classes and Mahomedans. Christians suffered the least:—

	Sexes.			Classes.				
	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Number of deaths	75,832	66,322	...	152	90,000	38,607	168	3,267
Ratio per mille per annum ..	27·84	23·88	116	18·72	27·00	21·72	25·32	23·40

The following table shows the proportions of deaths registered during the month of August 1891, above 25 per mille, arranged in order of sequence, and compared with the ratios of the corresponding month of 1890:—

Districts.		Ratio per *mille* during— August 1891.	August 1890.	*Districts.*		Ratio per *mille* during— August 1891.	August 1890.
Gya	... ...	54·36	36·84	Maldah	... ...	31·32	8·28
Shahabad	... ...	49·08	29·88	Lohardugga	... ..	30·24	18 24
Darjiling	... ...	48·48	37·20	Mozufferpore	... ...	30·12	25 92
Patna	... ...	42·96	33·12	Bhagulpore	... ...	28 68	18·96
Sarun	... ...	36·60	22·44	Julpaiguri	... ...	27·72	25·20
Monghyr	... ...	34·92	22·56	Murshedabad	... ...	26·88	15·36
Chumparun	... ...	33·48	34·08	Rajshahye	... ...	26 88	22·82
Dinajpore	... ...	31·56	24 00	Maubhum	... ...	26 04	22·44
Hazaribagh	... ...	31·56	25·08	Serampore	... ...	25·08	22·56

It will be seen from the statement appended to this memorandum that the highest death-rate occurred in Gya, 54 36 per mille per annum, and the lowest in Mymensing, 14·28 per 1,000 of population. In eighteen districts the death-rates were above 25 per mille, in sixteen between 20 and 25, and in the remaining 11 below 20. In the districts which show a lower death-rate than 20 per mille per annum, registration of deaths does not appear to have been accurately carried on.

The total mortality from the several registered death-causes during the month under review is compared in the following table with the mortality from those causes in the corresponding month of 1890, and the average of the previous five years, 1886—90:—

	Ratio per *mille* during—		
	August 1891.	August 1890.	Monthly average of five years, 1886—90.
Cholera	2·64	1·32	2·04
Small-pox	·12	·08	·04
Fever	18·00	15·24	15 00
Dysentery and diarrhœa	·60	·48	·72
Injury	·72	·72	·72
Other causes	3·48	3·00	3·00

Compared with the figures of both the past periods, there is a considerable increase in the mortality of August 1891 under the heads cholera and fever.

The deaths from *Cholera* numbered 14,548, which is equivalent to an annual rate of 2·64 per 1,000 of population, against 20,049 (ratio 3·60 per mille) in the preceding month. The greatest severity of this disease was felt in Gya and Shahabad, which returned death-rates of 17·76 and 17·64 per 1,000 per annum, respectively, then in Sarun, where the death-rate was 8·40, in Patna 7·32, Chumparun 6·, Mozufferpore 4 80, Monghyr 4·20, Durbhanga 3·24, Bhagulpore 3 24, Lohardugga 2·64, and in Hazaribagh 2·52. From three districts, viz., Noakhali, Tipperah, and Singbhoom, the disease was entirely absent.

Small-pox carried of 659 persons (ratio ·12 per mille per annum), against 1,335 (ratio ·24) in the month before. Midnapore and Cuttack returned the highest small-pox death-rate (1·20 per mille per annum) each, followed by Pooree ·84 per mille. Nine districts, viz., Birbhum, Serampore, Rajshahye, Rungpore, Pubna, Darjiling, Noakhali, Tipperah, and Bhagulpore, were entirely free from this disease.

Fever caused 99,028 deaths (ratio 18· per 1,000 per annum), against 77,775 (ratio 14·16) in the preceding month, and *dysentery and diarrhœa* proved fatal in 3,668 instances (ratio ·60 per mille per annum), against 3,272 (ratio ·48) in the previous month. All the districts suffered from the latter ailments. The greatest mortality rates from fever were recorded in Darjiling (30·12), Gya (29·16), Dinajpur (28·80), Maldah (27·72), Julpaiguri (26·16), Shahabad (25·56), Rajshahye (24·96), Monghyr (24·60), Patna (24·12), Hazaribagh (23 64), Jessore (22·68), Murshedabad (21·48), Chumparun (21·24), and Bhagulpore (20·76). Darjiling also returned the highest death-rate from dysentery and diarrhœa, viz., 11·16 per mille; Howrah and Balasore stand next to Darjiling with a death-rate of 3·36 per mille each, followed by Pooree 3·.

Injury proved fatal in 4,204 instances (ratio ·72 per mille), against 3,945 (ratio ·60) in the previous month, and the mortality from *all other causes* not specified amounted to 19,747 (ratio 3·48 per mille), against 15,601 (ratio 2·76) in the preceding month. Pooree returned the highest death-rate from the unspecified diseases coming under the head "All other causes," viz., 11·76 per 1,000 per annum, next Sarun (10·44), then Patna (9·).

With regard to mortality according to *Age*, infants under one year of age, as usual, perished in the largest numbers, viz., at the rate of 187·20 per 1,000 of population per annum, next came old persons (60 years and upwards) with a death-rate of 59·16 per mille. The lowest death-rate occurred among persons between 10 and 15 years of age, viz., 13·08 per 1,000 per annum.

Detailed information regarding the mortuary statistics of the forty-five districts of Bengal during the month under review will be found in the statement appended.

W. H. GREGG, *Dip. Publ. Health, Camb.*,
Sanitary Commissioner for Bengal.

The 27th November 1891.

Statement showing the Results of the Registration of Deaths in the Districts in Bengal for the month of August 1891.

1	2	3			4							5							6		7		8		9
					MORTALITY ACCORDING TO—																				
					Disease.																Sex.				
DIVISIONS.	DISTRICTS.	POPULATION.			DEATHS FROM—							RATIO PER 1,000 OF POPULATION PER ANNUM.							COMPARISON WITH PREVIOUS PERIODS.		DEATHS AMONG—		RATIO PER 1,000 OF POPULATION PER ANNUM.		
		Males.	Females.	Total.	Cholera.	Small-pox.	Fever.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and Diarrhœa.	Injury.	Other diseases.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the previous month.	Ratio of deaths per 1,000 of population per annum in the corresponding month of the previous year.	Males.	Females.	Males.	Females.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
BURDWAN ...	Burdwan	668,295	723,528	1,391,823	34	5	1,665	55	61	472	*2,292*	·12	·03	14·28	·36	·48	3·96	*19·68*	14·53	16·56	1,130	1,162	21·29	19·21	105
	Bankura	507,136	534,616	1,041,752	1	1	1,026	34	43	292	*1,397*	·01	·01	11·76	·36	·48	3·34	*16·08*	11·76	16·09	776	621	18·34	13·92	131
	Birbhum	381,563	412,865	794,428	1	...	1,136	4	26	477	*1,644*	·01	...	17·04	·06	·36	7·21	*24·72*	20·64	20·28	826	818	25·92	21·76	109
	Midnapore	1,243,195	1,272,370	2,515,565	19	271	3,427	152	118	686	*4,673*	·03	1·20	16·32	·72	·48	3·24	*22·20*	16·44	20·40	2,452	2,221	23·64	20·35	113
	Hughli	315,665	347,385	663,050	10	1	816	77	34	203	*1,141*	·12	·01	15·84	1·32	·60	3·60	*20·64*	14·49	19·80	586	555	22·20	19·08	116
	Serampore	174,366	177,589	351,955	13	...	506	86	21	113	*739*	·56	...	17·16	2·88	·60	3·84	*25·08*	16·44	22·56	368	371	25·32	24·96	101
	Total (Hughli including Serampore).	490,031	524,974	1,015,005	23	1	1,322	163	55	316	*1,880*	·24	·01	15·60	1·92	·61	3·72	*22·20*	15·12	20·76	934	946	23·28	21·12	110
	Howrah	316,479	318,902	635,381	37	4	581	178	51	286	*1,137*	·60	·07	10·92	3·33	·96	5·40	*21·36*	17·40	20·88	618	519	23·40	19·44	120
PRESIDENCY ...	24-Pergunnahs ...	860,841	812,521	1,673,362	101	2	2,634	109	118	273	*3,237*	·72	·01	18·84	·72	·84	1·92	*23·16*	13·92	19·08	1,821	1,416	23·32	20·88	121
	Nuddea	865,779	[illegible]	1,[illegible],721	5	5	2,676	11	125	331	*3,156*	·03	·03	19·32	·07	·84	2·40	*22·80*	12·96	15·00	1,627	1,529	24·12	21·48	112
	Jessore	959,271	980,104	1,939,375	2	4	3,673	3	124	209	*4,015*	·01	·02	22·68	·01	·72	1·20	*24·84*	14·88	23·24	2,109	1,906	26·88	22·80	117
	Murshidabad ...	586,483	640,307	1,226,790	94	1	2,197	23	71	373	*2,758*	·84	·009	21·48	·12	·60	3·60	*26·88*	14·64	15·36	1,472	1,286	30·03	24·00	125
	Khulna	568,402	511,546	1,079,948	45	1	1,780	5	65	202	*2,098*	·48	·01	19·68	·04	·72	2·16	*23·28*	15·60	27·12	1,112	986	23·40	23·04	101
RAJSHAHYE ...	Dinajpur	782,292	732,054	1,514,346	43	2	3,648	10	113	176	*3,992*	·24	·01	28·80	·07	·84	1·32	*31·56*	21·84	24·00	2,052	1,940	31·44	31·80	98
	Rajshahye	660,040	678,205	1,338,245	20	...	2,784	4	95	103	*3,006*	·12	...	24·96	·02	·84	·84	*26·88*	18·36	22·82	1,511	1,495	27·31	24·60	111
	Rungpore	1,067,701	1,030,263	2,097,964	23	...	3,492	6	67	194	*3,787*	·12	...	19·92	·02	·36	1·08	*21·60*	18·43	17·04	2,150	1,637	24·12	18·96	127
	Bogra	372,863	361,858	734,731	61	1	988	3	63	113	*1,234*	·96	·01	16·08	·04	1·08	1·80	*20·04*	16·56	22·64	649	585	20·88	19·32	108
	Pubna	648,311	663,417	1,311,728	4	...	1,716	6	58	112	*1,898*	·03	...	15·60	·07	·48	·96	*17·28*	13·32	21·48	1,011	887	18·60	15·96	116
	Darjiling	89,351	66,294	155,645	24	...	392	146	7	60	*629*	1·80	...	30·12	11·16	·48	4·56	*48·48*	65·52	37·20	336	293	45·12	52·92	85
	Julpaiguri	305,972	276,418	582,390	15	1	1,272	7	20	34	*1,349*	·24	·01	26·16	·12	·36	·60	*27·72*	30·48	25·21	724	625	28·32	27·12	104
DACCA	Dacca	1,033,863	1,082,487	2,116,350	12	15	2,023	97	104	343	*2,594*	·06	·08	11·40	·48	·48	1·92	*14·64*	11·28	13·20	1,502	1,092	17·40	12·00	145
	Faridpore	805,989	825,743	1,631,732	45	10	1,701	31	74	226	*2,087*	·24	·07	12·48	·12	·48	1·56	*15·24*	11·28	15·72	1,151	936	17·04	13·56	125
	Backergunj	973,479	927,410	1,900,889	10	1	2,250	21	115	724	*3,121*	·06	·006	14·16	·12	·72	4·56	*19·68*	16·68	21·48	1,793	1,328	22·09	17·16	128
	Maimansing	1,555,840	1,501,103	3,056,943	176	11	2,906	35	90	438	*3,656*	·60	·03	11·40	·12	·24	1·68	*14·28*	15·33	15·96	2,087	1,569	16·58	12·84	128
CHITTAGONG ...	Chittagong	531,649	600,692	1,132,341	11	2	1,625	33	92	210	*1,975*	·10	·01	17·16	·36	·96	2·16	*20·88*	[illegible]	21·96	1,010	965	22·63	[illegible]	113
	Noakhali	415,248	405,524	820,772	...	...	1,240	3	84	113	*1,440*	...	...	18·12	·03	1·24	1·56	*21·00*	21·48	31·60	726	714	[illegible]	21·12	98
	Tipperah	768,450	745,911	1,514,361	...	...	1,597	17	68	264	*1,946*	...	...	12·60	·12	·48	2·04	*15·36*	12·60	17·64	1,081	865	16·80	13·80	121
PATNA	Patna	856,501	895,058	1,751,559	1,071	42	3,528	197	128	1,314	*6,280*	7·32	·24	24·12	1·32	·84	9·00	*42·96*	42·36	33·12	3,289	2,991	46·08	41·08	114
	Gya	1,043,441	1,081,241	2,124,682	3,160	61	5,167	93	167	978	*9,626*	17·76	·24	29·16	·48	·84	5·52	*54·36*	48·12	36·84	5,094	4,532	58·56	50·28	116
	Shahabad	950,250	1,014,659	1,964,909	2,897	89	4,188	86	114	686	*8,040*	17·64	·48	25·56	·48	·60	3·96	*49·08*	60·84	29·88	4,233	3,807	53·40	45·00	118
	Mozufferpore ...	1,265,731	1,316,329	2,582,060	1,058	28	4,218	154	318	713	*6,491*	4·80	·12	19·56	·72	1·44	3·24	*30·12*	27·00	25·92	3,462	3,029	32·76	27·60	114
	Durbhanga	1,295,788	1,337,659	2,633,447	714	6	3,667	104	2[illegible]1	299	*5,043*	3·24	·02	16·68	·48	1·08	1·32	*22·92*	28·92	18·12	2,750	2,293	25·44	20·52	123
	Sarun	1,085,847	1,199,832	2,285,679	1,621	16	2,742	369	235	2,003	*6,986*	8·40	·08	14·28	1·92	1·20	10·44	*36·60*	29·76	22·44	3,882	3,104	42·84	31·96	139
	Chumparun	870,627	850,981	1,721,608	868	25	3,051	73	185	654	*4,816*	6·00	·12	21·24	·12	1·20	4·44	*33·48*	20·28	34·08	2,602	2,214	35·76	31·20	114
BHAGULPORE ...	Monghyr	969,124	1,000,651	1,969,774	704	4	4,046	72	176	740	*5,742*	4·20	·02	24·60	·36	·96	4·44	*34·92*	31·64	22·54	2,935	2,807	35·21	33·60	107
	Bhagulpore	979,119	987,039	1,966,158	534	...	3,407	58	171	534	*4,704*	3·24	...	20·76	·24	·96	3·24	*28·68*	26·16	18·96	2,483	2,221	30·38	27·00	112
	Purneah	937,080	911,607	1,848,687	9	2	2,616	3	55	55	*2,740*	·04	·01	16·92	·01	·24	·24	*17·76*	15·84	13·68	1,432	1,308	18·24	17·16	116
	Maldah	346,998	363,450	710,448	86	1	1,643	9	27	94	*1,860*	1·44	·01	27·72	·12	·36	1·56	*31·32*	23·88	8·28	1,014	846	35·04	27·84	125
	Sonthal Pergunnahs...	785,330	782,763	1,568,093	71	3	1,763	9	70	247	*2,162*	·44	·01	13·44	·06	·48	1·80	*16·44*	16·08	14·94	1,147	1,015	17·42	15·48	113
ORISSA	Cuttack	877,702	917,363	1,795,065	174	181	1,625	323	151	977	*3,433*	1·08	1·20	10·80	2·16	·96	6·48	*22·92*	17·28	18·48	1,805	1,628	24·60	21·24	115
	Poori	446,609	441,878	888,487	6	70	305	227	50	872	*1,530*	·07	·84	4·08	3·00	·60	11·76	*20·64*	19·08	17·18	806	724	21·60	19·54	110
	Balasore	461,461	483,819	945,280	33	11	860	273	53	546	*1,736*	·36	·12	10·32	3·36	·60	6·84	*21·96*	16·33	21·96	941	795	24·36	19·68	123
CHOTA NAGPORE.	Hazaribagh	544,903	559,839	1,104,742	235	9	2,185	73	56	353	*2,911*	2·52	·09	23·64	·72	·60	3·72	*31·56*	25·44	25·08	1,511	1,400	33·24	30·00	110
	Lohardugga	796,657	812,587	1,609,244	366	63	2,222	326	11	1,074	*4,067*	2·64	·48	16·56	2·40	·07	7·92	*30·24*	25·68	19·21	2,122	1,945	31·92	28·56	111
	Singbhum	226,681	227,094	453,775	...	4	456	44	30	120	*684*	...	·09	12·84	1·08	·72	3·12	*18·00*	14·88	18·24	387	297	20·10	15·60	130
	Manbhum	525,328	532,900	1,058,228	138	1	1,598	60	44	479	*2,302*	1·44	·01	18·12	·48	·48	5·40	*26·04*	19·32	22·44	1,217	1,085	27·72	21·36	113
	TOTAL FOR THE PROVINCE.	32,663,700	33,195,834	65,859,534	14,548	959	99,028	3,663	4,284	19,747	*142,154*	2·64	·13	18·00	·80	·72	3·48	*25·60*	22·20	21·12	75,832	66,322	27·64	23·83	116

Divisions.	Districts.	10					11					12										13									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	1	1,890	411	...	...	13·08	20·04	18·68	...	...	493	241	154	78	136	240	221	220	199	310	187·02	21·96	11·04	6·96	13·32	10·80	11·88	17·28	24·60	46·68
	Bankura	...	1,266	59	...	72	...	16·56	15·24	...	10·20	317	149	122	55	73	127	128	130	94	212	133·32	14·64	8·88	6·96	9·24	8·52	10·44	16·20	18·12	44·60
	Birbhum	...	1,336	300	...	8	...	25·92	22·08	...	6·60	487	274	122	61	69	126	106	108	110	170	351·16	41·04	14·52	9·36	12·36	11·04	10·32	14·68	22·68	46·44
	Midnapore	...	4,203	239	...	181	...	22·56	21·12	...	16·48	815	685	373	226	248	442	454	416	351	683	153·36	29·88	12·84	10·92	12·96	11·04	14·16	21·24	20·40	59·76
	Hughli	...	953	188	...	...	...	21·96	17·28	...	...	188	123	76	37	49	125	107	132	130	174	132·96	24·96	13·32	7·08	8·84	11·64	12·00	20·58	32·52	56·40
	Serampore	1	597	141	...	...	32·76	24·48	28·32	...	...	108	101	86	37	29	55	78	72	58	115	129·36	37·92	30·48	14·52	11·04	9·36	16·08	21·12	27·48	70·92
	Total (Hughli including Serampore).	1	1,550	329	...	...	18·24	22·44	20·76	...	..	296	224	162	74	78	180	185	204	188	289	131·64	29·52	18·96	9·64	10·20	10·80	13·44	21·00	30·84	61·44
Presidency	Howrah	3	931	203	...	...	17·52	22·20	18·36	...	...	253	163	85	47	53	97	87	105	65	184	162·96	28·80	13·08	9·12	11·04	9·60	9·84	20·64	20·76	56·16
	24-Pergunnahs ...	12	2,197	1,038	...	...	14·16	25·20	19·12	...	...	493	544	364	187	184	288	256	217	224	490	134·28	33·36	13·56	11·92	16·20	11·04	12·36	16·32	27·84	53·32
	Nuddea	19	1,335	1,812	...	...	35·40	21·84	24·52	...	...	512	527	440	196	150	205	209	232	208	477	161·16	31·08	20·76	13·56	14·76	9·36	11·04	18·68	23·16	54·72
	Jessore	1	1,556	2,458	...	...	21·36	21·24	25·08	...	...	485	734	543	246	231	352	355	320	291	478	108·36	38·40	23·64	15·00	18·72	12·96	16·08	19·92	27·84	48·48
	Murshidabad	3	1,478	1,277	...	...	76·56	27·84	25·92	...	...	616	464	281	132	141	208	191	159	176	39	265·32	39·36	19·72	12·96	13·44	12·24	14·08	15·36	27·36	62·76
	Khulna	...	965	1,153	...	...	...	22·68	24·36	...	...	280	270	205	114	124	245	178	197	131	245	111·84	26·16	23·28	12·48	15·48	12·84	14·28	23·28	25·32	58·64
Rajshahye	Dinajpur	...	1,924	2,063	...	...	...	32·16	[illegible]	...	...	675	787	335	174	206	468	386	348	239	314	231·36	51·84	18·60	13·92	21·12	21·72	20·40	28·44	35·88	48·96
	Rajshahye	...	623	2,383	...	...	...	25·80	27·24	...	...	432	622	384	205	196	296	247	242	139	203	165·48	45·96	21·48	18·36	23·56	15·36	15·36	24·60	26·76	34·56
	Rungpore	...	1,501	2,286	...	...	...	21·96	21·36	...	...	436	519	299	217	286	526	546	362	234	382	102·00	25·92	11·40	12·96	22·44	17·88	18·00	20·40	23·16	41·64
	Bogra	...	254	980	...	...	...	21·60	19·68	...	..	201	193	111	68	63	146	124	124	67	137	156·84	24·88	10·92	11·16	13·60	14·04	14·04	22·56	21·96	44·52
	Pubna	...	456	1,412	...	...	...	16·08	17·76	...	...	218	408	192	110	108	161	153	121	122	305	72·24	27·24	10·92	10·44	13·68	9·48	10·08	11·88	20·24	42·00
	Darjiling	1	569	23	36	...	14·16	53·64	33·60	22·92	...	54	164	54	32	33	107	82	42	20	36	207·00	115·08	34·68	21·48	29·88	36·72	33·16	36·72	48·00	61·92
	Julpaiguri	...	838	519	...	2	...	27·24	25·28	...	[illegible]	262	215	86	63	79	165	155	111	88	128	194·64	37·32	11·28	12·36	22·68	20·52	21·84	22·68	31·08	47·52
Dacca	Dacca	16	1,126	1,452	...	...	21·72	15·72	13·92	...	...	319	383	218	109	135	263	234	224	158	401	65·04	15·84	7·80	5·76	9·96	9·48	12·00	14·28	16·80	44·28
	Faridpore	1	912	1,184	...	...	4·32	16·44	14·52	...	...	217	355	175	117	118	190	183	198	195	349	64·20	19·81	8·64	8·04	11·76	8·04	9·72	15·12	21·76	42·72
	Backergunge	6	867	2,248	...	...	16·32	16·56	21·24	...	...	671	490	325	177	129	218	228	213	207	46	172·20	23·52	14·52	10·80	9·36	7·56	10·56	14·88	22·92	56·04
	Maimansing	1	1,301	2,354	...	...	79·44	15·72	13·80	...	...	436	452	326	221	224	411	410	347	260	56	70·08	13·20	7·80	8·64	10·80	9·60	11·76	15·72	21·64	39·24
Chittagong	Chittagong	1	337	1,488	129	...	11·28	15·48	22·20	25·56	...	346	333	181	84	95	180	182	133	125	307	135·64	27·00	11·76	7·32	11·76	12·84	15·84	17·04	22·20	59·76
	Noakhali	2	289	1,149	...	...	40·80	16·32	22·56	...	...	264	254	148	96	71	111	107	82	95	216	133·92	27·12	13·44	12·84	12·24	10·20	12·12	14·04	24·60	60·36
	Tipperah	...	715	1,228	3	...	...	16·80	14·64	96·24	...	337	268	133	108	147	212	204	158	121	265	114·12	15·12	6·72	7·68	13·80	10·08	12·12	14·28	17·52	40·32
Patna	Patna	5	5,652	623	...	...	23·16	44·16	35·04	...	...	1,504	1,342	461	250	160	532	424	424	450	730	437·04	75·96	24·12	17·88	16·92	21·84	19·90	27·12	43·08	68·04
	Gya	...	8,575	1,051	...	...	...	54·36	54·00	...	..	1,415	2,030	909	563	426	911	845	709	674	1,044	344·20	87·72	39·96	32·04	36·60	30·96	34·68	37·56	56·76	94·68
	Shahabad	...	7,503	585	...	...	...	49·44	42·68	...	...	1,901	1,347	844	405	314	585	837	742	622	1,159	261·60	68·40	35·76	24·00	28·56	32·40	33·60	45·00	62·28	98·28
	Mozufferpore ...	...	5,714	777	...	...	...	30·24	29·40	...	...	955	1,224	701	387	213	618	631	483	469	790	257·76	45·00	21·12	18·00	17·40	15·84	18·72	21·24	33·12	65·60
	Durbhunga	...	4,457	806	...	...	...	23·16	21·48	...	...	545	1,030	502	295	235	458	516	540	402	550	129·96	35·28	14·88	13·92	15·72	12·72	13·36	21·72	28·20	43·80
	Sarun	...	6,238	748	...	...	...	37·08	33·24	...	..	817	1,009	552	320	220	776	703	668	533	1,398	180·00	43·20	19·68	15·60	17·74	25·68	24·00	33·24	45·48	120·84
	Chumparun	2	4,264	350	...	...	12·33	34·56	27·12	...	...	650	899	514	206	175	497	443	426	347	689	176·40	47·76	25·32	18·12	18·36	20·52	19·56	28·44	39·96	84·40
Bhagulpore	Monghyr	...	5,219	449	...	4	...	35·40	31·20	...	6·60	1,141	1,410	501	270	158	483	382	368	364	705	271·40	68·96	20·04	15·84	13·92	16·68	16·08	21·60	35·88	74·76
	Bhagulpore	1	4,514	309	...	...	20·76	29·52	23·16	...	...	885	858	358	250	205	470	489	361	331	434	298·12	46·20	14·89	14·76	17·28	16·89	19·20	22·68	36·96	54·36
	Purneah	...	1,646	1,094	...	...	...	18·24	16·92	..	...	259	409	278	158	133	279	300	315	228	351	91·68	22·92	11·52	9·96	11·64	10·68	12·24	20·04	27·24	45·24
	Maldah	...	1,014	846	...	...	...	32·04	30·72	...	..	229	331	261	151	96	194	173	129	87	212	138·84	47·52	28·68	24·72	19·20	19·92	20·64	22·44	27·60	58·92
	Sonthal Pergunnahs	2	1,468	187	...	565	7·89	19·92	25·52	...	11·04	518	301	230	121	120	185	177	122	123	234	190·09	20·52	8·28	8·04	11·56	9·60	7·80	11·28	19·20	34·36
Orissa	Cuttack	1	3,369	63	...	...	5·04	24·16	15·84	...	...	943	477	203	91	137	281	202	260	267	484	301·32	25·20	9·00	5·80	12·00	11·04	14·64	19·56	27·00	51·48
	Pooree	...	1,518	12	...	...	...	20·76	10·20	...	...	464	173	64	40	49	115	113	114	138	257	266·12	15·24	6·00	5·28	8·76	8·64	11·16	16·20	27·60	62·40
	Balasore	...	1,715	21	...	...	...	22·44	10·56	...	...	504	198	97	50	61	120	126	134	133	310	291·36	20·76	8·16	5·76	10·54	8·76	11·40	17·28	29·04	74·88
Chota Nagpore.	Hazaribagh	1	2,391	273	...	246	21·72	30·96	30·84	...	49·20	714	560	297	166	92	201	237	198	167	271	246·72	42·48	19·04	16·92	14·52	13·3	16·12	21·84	36·24	74·76
	Lohardugga	70	1,705	213	...	2,079	23·04	23·52	33·00	...	39·72	1,025	816	421	242	155	328	306	239	215	320	288·72	41·04	18·72	15·96	15·08	14·76	16·32	21·72	33·84	80·64
	Singhbhum	2	681	1	...	...	7·92	18·24	5·04	...	...	110	103	63	32	27	71	57	70	71	89	151·68	29·04	10·68	7·44	8·40	11·4	10·56	21·48	37·80	49·20
	Manbhum	...	2,056	136	...	110	...	26·04	35·88	...	19·92	573	358	228	104	142	180	170	137	166	249	240·24	31·33	15·00	11·64	18·72	12·84	13·80	18·84	55·28	57·36
	TOTAL FOR THE PROVINCE.	152	99,960	38,607	168	3,267	18·72	27·90	21·72	25·32	25·40	24,152	24,653	13,475	7,306	6,527	13,478	12,831	11,446	9,949	18,208	187·20	36·24	16·32	13·08	15·60	14·64	16·08	21·48	30·60	59·16

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 27th November 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

STATEMENT SHOWING THE RESULTS OF THE REGISTRATION OF BIRTHS AND DEATHS IN THE PRINCIPAL MUNICIPALITIES IN BENGAL DURING THE WEEK ENDING WITH SATURDAY, THE 7TH NOVEMBER 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 7th November 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
Districts.	Names of Municipalities.	Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhoea.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhoea.	Injury.	Other causes.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the proceeding week.	Male.	Female.	Male.	Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	12	11	*23*	18·3	16·8	*35·1*	109	2	..	19	4	...	9	*34*	3·0	...	20·0	6·1	...	13·7	*51·9*	32·0	23	11	66·2	35·7	185
	Raniganj	6,246	4,691	10,937	1	1	*2*	4·7	4·7	*9·5*	100	4	...	8	4	...	...	*16*	19·0	...	38·0	19·0	...	...	*76·1*	52·3	13	3	108·2	33·3	325
Bankura ...	Bankura	8,970	8,925	17,895	2	2	*4*	5·8	5·8	*11·6*	100	...	.	6	1	..	1	*8*	...	...	17·4	2·9	...	2·9	*23·2*	23·2	2	6	11·6	35·0	33
Birbhum ...	Soori	3,982	3,866	7,848	..	2	*2*	...	13·3	*13·3*	No male birth.	...	..	1	...	...	...	*1*	...	...	6·6	...	...	..	*6·6*	33·1	...	1	...	13·5	No male death.
Midnapore ...	Midnapore... ...	16,927	16,633	33,560	6	10	*16*	9·3	15·5	*24·8*	60	2	...	12	3	1	8	*26*	3·1	...	18·6	4·6	1·5	12·4	*40·3*	24·8	10	16	30·7	50·0	61
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	14	12	*26*	23·0	19·7	*42·7*	116	..	...	18	3	...	10	*31*	...	...	29·5	4·9	...	16·4	*50·9*	65·6	17	14	55·7	46·0	121
	Serampore ...	13,559	12,937	26,496	6	10	*16*	11·8	19·6	*31·4*	60	18	..	21	11	...	11	*61*	35·3	..	41·2	21·6	...	21·6	*119·7*	119·7	26	35	99·7	140·7	70
	Utterpara	3,046	2,464	5,510	3	2	*5*	28·3	18·9	*47·2*	150	4	.	3	1	...	3	*11*	37·7	...	28·3	9·4	...	28·3	*103·8*	65·1	7	4	119·5	84·4	141
Howrah ...	Howrah	53,153	37,660	90,813	19	19	*38*	10·9	10·9	*21·8*	100	16	..	18	8	2	13	*57*	9·2	...	10·3	4·6	1·1	7·4	*32·6*	33·2	27	30	26·4	41·4	63
	Bali	7,836	6,979	14,815	2	5	*7*	7·0	17·5	*24·6*	40	7	.	4	4	...	1	*16*	24·6	...	14·0	14·0	...	3·5	*56·2*	63·2	11	5	73·0	37·3	195
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	8	8	*16*	15·8	15·8	*31·6*	100	20	...	26	3	...	12	*61*	39·6	...	51·4	5·9	...	23·7	*120·6*	81·1	34	27	110·0	137·5	80
	Manicktolla ...	16,536	12,112	28,648	4	7	*11*	7·3	12·7	*20·0*	57	...	..	9	1	..	2	*12*	...	..	16·3	1·8	...	3·6	*21·8*	25·4	7	5	22·0	21·5	102
	Baranagore ...	15,920	14,062	29,982	3	7	*10*	5·2	12·1	*17·3*	43	3	.	16	1	1	4	*25*	5·2	..	27·7	1·7	1·7	6·9	*43·4*	36·4	11	14	35·9	51·8	69
	South Suburban	26,400	25,258	51,658	3	8	*11*	3·0	8·0	*11·1*	37	3	..	12	.	..	7	*22*	3·0		12·1	...	...	7·0	*22·1*	21·1	10	12	19·7	24·7	80
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	2	2	*4*	3·8	3·8	*7·6*	100	2	.	5	...	...	3	*10*	3·8	..	9·4	...	...	5·7	*18·9*	58·7	6	4	23·5	14·6	161
	Ranaghat	4,028	4,655	8,683	1	1	*2*	6·0	6·0	*12·0*	100	...		2	...	...		*2*	.	..	12·0	...	..	...	*12·0*	35·9	2	..	25·8	...	No female death.
	Santipore	13,708	15,979	29,687	9	1	*10*	15·8	1·7	*17·5*	900	...		9	...	.	2	*11*	...	..	15·8	...	...	3·5	*19·3*	19·3	5	6	19·0	19·5	97
Jessore ...	Jessore	4,830	3,665	8,495	1	...	*1*	6·1	...	*6·1*	No female birth.	...	...	5	..	..	...	*5*	..	...	30·6	...	...	...	*30·6*	12·2	3	2	32·3	28·4	113
Murshedabad	Berhampore ...	11,657	11,948	23,605	5	7	*12*	11·0	15·4	*26·4*	71	27	..	5	2	...	9	*43*	59·5	...	11·0	4·4	...	19·8	*94·7*	101·3	22	21	98·1	91·4	107
	City Murshedabad	18,901	20,330	39,231	4	2	*6*	5·3	2·6	*7·9*	200	2	..	7	...	..	..	*9*	2·6	.	9·3	...	...	...	*11·9*	Return not recd.	6	3	16·5	7·7	214
Khulna ...	Khulna	3,249	3,043	6,292	...	2	*2*	...	16·5	*16·5*	No male birth.	...	..	5	..	...	...	*5*	...	...	41·3	...	...	...	*41·3*	66·1	...	5	...	85·4	No male death.
Dinajpore ...	Dinajpore	7,254	5,306	12,560	3	1	*4*	12·4	4·1	*16·6*	300	...	..	5	1	1	4	*11*	...	..	20·7	4·1	4·1	16·6	*45·5*	58·0	7	4	50·2	33·2	126

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	6	8	*14*	15·8	21·0	*36·8*	75	13		18	1	...	1	*33*	34·2	..	47·3	3·6	...	2·8	*86·7*	118·2	19	14	91·8	80·7	113
Rungpore ...	Rungpore ...	8,011	5,309	13,320	5	5	*10*	19·5	19·5	*39·0*	100	..	..	6	1	..	13	*20*	...	..	23·4	3·9	...	50·7	*78·1*	11·7	7	13	45·4	127·3	36
Bogra ...	Bogra	3,480	2,699	6,179	1	2	*3*	8·4	16·8	*25·2*	50	...	...	4	1	2		*7*	...	.	33·7	8·4	16·8	..	*58·9*	101·0	2	5	29·9	96·3	31
Pubna ...	Pubna	7,701	7,566	15,267	8	7	*15*	27·2	23·5	*51·1*	114	1		5	1		2	*9*	3·4	.	17·0	3·4	...	6·8	*30·7*	57·9	5	4	33·8	27·5	123
	Serajganj	11,213	9,824	21,037	9	8	*17*	22·2	19·8	*42·0*	112	7		4	...	...	...	*11*	17·3		9·9	...	..	.	*27·2*	42·0	4	7	18·5	37·1	50
Darjeeling ...	Darjeeling ...	4,579	2,439	7,018	2	2	*4*	14·8	14·3	*29·6*	100	...		5	..	...	2	*7*	...		37·0	...	...	14·8	*51·9*	14·8	4	3	45·4	64·0	71
Julpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	2	3	*5*	13·1	19·6	*32·7*	66	...	..	10	5	...	4	*19*	...	..	65·4	32·7	...	6·2	*124·3*	65·4	15	4	156·9	69·9	214
Dacca ...	Dacca	42,782	37,379	80,161	22	24	*46*	14·3	15·5	*29·8*	91	...	..	21	4	1	25	*51*	...	.	13·6	2·6	·6	16·2	*33·1*	25·9	20	31	24·3	43·1	56
	Narainganj ...	7,605	4,956	12,561	17	7	*24*	70·4	29·0	*99·4*	242	...	..	7	3	1	5	*16*	...	.	29·0	12·4	4·1	20·7	*66·2*	78·7	11	5	75·2	52·5	143
Faridpore ...	Faridpore	5,663	4,600	10,263	4	3	*7*	20·3	15·2	*35·5*	133	...	..	7	...	...	1	*8*	.		35·5	...	..	5·0	*40·5*	10·1	5	3	45·9	33·9	135
Backerganj ...	Barisal	8,701	4,485	13,186	3	3	*6*	11·8	11·8	*23·7*	100	.	...	...	..	1	2	*3*	..		.	..	3·9	7·9	*11·8*	43·4	2	1	12·0	11·6	103
Mymensing ...	Nasirabad ...	10,443	4,413	14,856	1	...	*1*	3·5	...	*3·5*	No female birth.	..	.	2	1	...	2	*5*	..	...	7·0	3·5	...	7·0	*17·5*	17·5	5	...	24·9	...	No female death.
Chittagong ...	Chitagong	13,340	8,790	22,130	3	1	*4*	7·0	2·3	*9·4*	300	1	..	1	1	...	...	*3*	2·3		2·3	2·3	...	...	*7·0*	14·1	1	2	3·9	11·8	33
Noakhali ...	Sudharam ...	3,410	1,714	5,124	...	1	*1*	...	10·1	*10·1*	No male birth.	.	.	1	...	.	1	*2*	..	.	10·1	..	...	10·1	*20·2*	20·3	1	1	15·2	30·3	50
Tipperah ...	Comillah	8,153	5,353	13,506	10	4	*14*	38·5	15·4	*53·9*	250	.	.	1	...	...	4	*5*	.	..	3·8	...	...	15·4	*19·3*	19·3	3	2	19·1	19·4	98
Patna ...	Patna City ...	78,762	81,475	160,237	25	34	*59*	8·1	11·0	*19·1*	73	18	..	20	6	1	24	*69*	5·8	.	6·5	1·9	·3	7·8	*22·4*	27·6	34	35	22·4	22·3	100
	Behar	23,799	25,172	48,971	19	13	*32*	20·2	13·8	*34·0*	146	...		10	...	...	12	*22*	.		10·6	..	...	12·7	*23·4*	11·7	11	11	24·0	23·7	105
Gya ...	Gya	38,290	37,831	76,121	23	22	*45*	15·7	15·0	*30·7*	104	2	.	44	...	...	27	*73*	1·4	.	50·1	...	..	15·4	*49·9*	45·8	35	38	47·5	52·2	91
Shahabad ...	Arrah	20,960	22,505	43,465	12	8	*20*	14·3	9·6	*23·9*	150	..		5	1	...	5	*11*			6·0	1·2	...	6·0	*13·2*	38·3	5	6	12·4	13·0	69
	Buxar	9,299	8,369	17,668	1	1	*2*	2·9	2·9	*5·9*	100	..		5	...	...	1	*6*	...	..	14·7	...	...	2·9	*17·7*	20·6	2	4	11·2	24·9	45
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	15	8	*23*	15·2	9·7	*28·0*	157	..		4	5	1	10	*20*	...	...	4·5	6·1	1·2	12·2	*24·3*	18·2	11	9	24·8	23·8	104
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	31	23	*49*	16·5	22·0	*38·5*	75	3		24	...	...	15	*42*	2·3	.	18·9	...	...	11·8	*33·0*	16·5	25	17	38·5	27·3	141
Sarun ...	Chupra	25,116	26,554	51,670	29	15	*44*	29·2	15·1	*44·3*	193	...	.	8	3	1	15	*27*		.	8·1	3·0	1·0	15·1	*27·2*	30·2	12	15	24·8	29·4	84
Chumparun ...	Motihari	6,328	3,979	10,307	4	4	*8*	20·2	20·2	*40·4*	100	..	..	4	...	...	4	*8*	...	.	20·2	...	...	20·2	*40·4*	45·4	3	5	24·7	65·3	38
Monghyr ...	Monghyr	28,154	29,366	57,520	19	12	*31*	17·2	10·5	*28·0*	158	9		24	8	...	13	*52*	8·1	.	19·9	7·2	...	11·8	*47·0*	47·0	26	26	48·0	46·0	104
	Jamalpore ...	7,456	6,107	13,563	9	7	*16*	34·5	26·8	*61·3*	128	3	...	6	3	...	6	*18*	11·5	..	23·0	11·5	...	23·0	*69·0*	57·5	10	8	69·7	68·1	102
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	26	27	*53*	19·8	20·6	*40·4*	96	8		19	4	1	6	*38*	6·1	..	14·4	3·0	·8	4·5	*29·0*	27·4	21	17	31·3	26·5	118
Purneah ...	Purneah	8,463	6,553	15,016	1	2	*3*	3·5	6·9	*10·4*	50	..		3	3	..	..	*6*	..	.	10·4	10·4	...	...	*20·8*	34·6	3	3	15·4	23·8	77
Maladh ...	English Bazar ..	6,289	6,141	12,430	4	3	*7*	16·7	12·6	*29·3*	133	16	.	22	1	...	2	*41*	66·9	..	92·0	4·2	...	5·4	*171·5*	175·7	25	16	206·7	135·5	152
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	1	3	*4*	6·5	19·5	*26·0*	33	1	...	2	..	...	4	*7*	6·5	.	13·0	...	...	26·0	*45·5*	97·4	2	5	21·0	85·5	24
Cuttack ...	Cuttack	22,632	20,607	43,239	9	5	*14*	10·8	6·0	*16·8*	180	...		6	...	1	15	*22*	...	..	7·2	...	1·2	18·0	*26·5*	34·0	9	13	20·6	32·7	158
Poori ...	Poori	13,247	11,537	24,784	2	2	*4*	4·2	4·2	*8·4*	100	8	...	6	7	2	4	27	16·8	.	12·6	14·6	4·2	8·4	*56·6*	67·1	15	12	53·9	54·1	109
Balasore ...	Balasore	10,282	9,983	20,265	3	4	*7*	7·7	10·3	*18·0*	75	...	..	1	..	...	4	*5*	...	...	2·5	...	...	10·3	*12·8*	30·8	3	2	15·2	10·4	146
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	10	1	*11*	34·0	3·4	*37·4*	1,000	...	..	7	1	...	3	*11*	...	..	23·8	3·4	...	10·2	*37·4*	17·0	6	3	54·5	20·3	268
Lohardugga ...	Ranchi	10,101	8,342	18,443	4	2	*6*	11·3	5·6	*16·9*	200	...	...	7	...	...	1	*8*	...	..	19·7	...	...	2·8	*22·6*	33·8	5	3	25·7	18·7	137
Singbhum ...	Chaibassa	3,126	2,880	6,006	..	...	...	...	..	...	..	...	..	3	1	..	...	*4*	..	.	25·9	8·7	..	...	*34·6*	...	4	...	66·5	..	No female death.
Manbhum ...	Purulia	[illegible]	[illegible]	[illegible]	...	2	*2*	...	11·1	*11·1*	No male birth.	...		2	1	..	1	*4*	...	.	11·1	5·6	...	5·6	*22·3*	16·8	2	2	20·6	24·5	84
	Total ...	872,696	785,969	1,657,965	438	401	*839*	13·7	12·6	*26·3*	109	200	..	535	109	17	333	*1,197*	6·3	...	16·9	3·4	·5	10·4	*37·5*	38·7	624	573	37·2	37·9	98

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	26	8	...	...	...	57·1	46·5	...	...	4	1	2	3	2	6	6	4	2	4	315·2	23·0	44·6	62·0	33·3	39·4	45·2	47·1	42·4	140·4
	Raniganj	...	14	2	...	...	...	81·6	86·5	...	...	...	...	2	1	1	3	4	1	1	3	...	...	91·9	57·1	63·6	64·4	96·8	41·6	86·1	374·1
Bankura ...	Bankura	...	8	...	...	...	...	24·5	...	...	...	...	1	3	...	...	2	...	...	...	2	...	27·2	69·1	...	...	31·6	...	...	...	1·4·7
Birbhum ...	Soori ...	...	1	...	...	...	...	8·9	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	108·8
Midnapore ...	Midnapore ...	...	19	7	...	...	...	38·1	50·4	...	...	5	3	1	...	1	4	4	3	1	4	349·9	66·3	13·9	...	16·5	28·3	37·5	41·9	25·2	113·7
Hughli, including Serampore.	Hughli and Chinsurah.	...	22	9	...	...	...	45·3	75·9	...	...	6	6	2	1	...	3	..	3	3	7	383·5	140·6	36·0	21·0	..	25·1	...	37·4	60·0	175·6
	Serampore* ...	...	55	6	...	...	...	103·0	332·6	...	...	3	10	5	...	9	6	7	5	5	11	219·7	288·1	103·4	...	214·4	57·9	73·2	77·1	135·8	411·2
	Utterpara	...	8	3	...	...	...	78·1	347·8	...	...	2	1	2	...	...	2	1	2	1	...	646·0	123·5	111·6	...	...	90·4	49·0	148·4	141·3	...
Howrah ...	Howrah	1	47	9	...	...	27·5	35·9	22·8	...	...	8	10	3	1	2	7	7	7	...	12	201·6	93·9	24·8	7·9	14·2	16·0	18·9	31·0	...	166·4
	Bali	...	15	1	...	...	...	58·2	39·7	...	...	1	6	1	1	1	...	3	1	...	2	143·6	312·3	48·8	43·8	39·0	...	55·9	26·9	...	142·1
24-Pergunnahs.	Cossipore-Chitpore	...	45	16	...	...	...	128·1	105·7	...	...	8	3	2	...	1	10	10	6	4	17	870·3	176·9	132·7	...	57·2	54·7	81·2	124·7	213·8	1,583·9
	Manicktola ...	...	8	4	...	...	...	24·9	18·1	...	...	1	2	...	3	...	1	1	1	1	2	838·7	759·1	...	133·7	...	6·4	6·4	11·5	32·0	109·8
	Baranagore ...	...	8	17	...	...	...	16·2	213·3	...	...	4	2	3	1	2	3	1	4	2	3	307·2	50·7	62·6	22·2	45·4	21·4	8·9	50·5	50·3	93·1
	South Suburban ...	...	16	6	...	...	...	26·3	16·0	...	...	4	1	3	2	1	2	1	...	3	5	156·9	10·9	30·7	21·8	11·8	10·2	6·0	...	47·1	80·0
Nuddea ...	Krishnagar ...	...	5	5	...	...	...	14·0	31·4	...	...	1	2	2	...	...	...	...	2	1	2	104·8	42·2	30·3	...	...	...	...	31·9	24·7	60·2
	Ranaghat	...	1	1	...	...	...	7·1	35·1	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	51·8	71·8	...
	Santipore ...	...	10	1	...	...	...	25·1	5·8	...	...	3	...	3	...	1	...	...	...	1	3	134·6	...	41·3	...	23·4	...	...	...	22·6	79·4
Jessore ...	Jessore	...	5	...	...	...	...	57·6	...	...	...	2	...	...	1	...	...	2	...	...	...	536·1	...	...	78·2	...	...	68·0	...	...	...
Murshedabad.	Berhampore ...	1	38	4	...	...	221·3	103·8	40·1	...	...	8	8	2	2	2	3	2	3	7	6	1,103·4	261·0	49·2	54·7	59·0	35·0	23·4	45·3	193·7	195·2
	City Murshedabad	...	9	...	...	...	...	20·6	...	...	...	1	...	2	...	1	1	1	...	2	1	68·2	...	30·2	...	20·1	7·1	7·2	...	29·3	16·8
Khulna ...	Khulna	...	1	4	...	...	...	16·3	68·2	...	...	...	...	3	...	1	...	...	...	...	1	...	...	196·2	...	100·4	...	...	...	...	165·1
Dinajpore ...	Dinajpore ...	...	4	7	...	...	...	34·3	56·8	...	...	1	1	...	...	...	...	2	2	2	3	252·4	60·2	...	...	...	...	42·0	66·3	125·3	244·1
Rajshahye ...	Rampore Beauleah	...	14	19	...	...	...	73·5	100·7	...	...	2	4	6	3	2	3	5	4	3	1	256·2	146·7	150·1	86·6	62·6	37·5	72·2	84·8	125·7	54·0
Rungpore ...	Rungpore ...	...	5	15	...	...	...	40·1	117·3	...	...	6	3	1	1	1	2	2	..	3	1	1,339·1	174·3	41·3	47·0	48·4	32·9	37·8	...	212·2	101·0
Bogra ...	Bogra ...	...	2	5	...	...	...	39·0	75·1	...	...	...	...	...	...	1	3	1		...	2	...	...	...	...	98·1	118·1	48·6	...	...	331·2

Pubna ...	Pubna ...	...	3	7	...	...	...	14.6	44.9	...	...	...	1		1	..	2	1	.	1	1	...	35.7	61.5	37.7	...	35.8	20.8	..	51.4	52.3
	Seraiganj	...	3	9	...	..	...	12.1	38.1	...	...	1	2	2	1	1	3		...	..	1	96.5	43.5	34.2	27.0	31.7	42.4	...	.	...	44.6
Darjeeling ...	Darjeeling	...	7	...	...	...	...	79.2	...	...	...	1	3	.	...	...	.	1	...	.	2	429.8	24.6	...	...	...	..	36.3	...	...	615.4
Julpaiguri ...	Julpaiguri	...	10	9	...	...	...	122.3	128.3	...	...	5	1	1	...	3	6	1	...	1	1	1,765.7	70.6	67.0	...	246.1	172.1	34.5	.	125.9	165.1
Dacca ...	Dacca ..	...	23	22	...	...	...	37.4	25.4	...	...	13	5	4	...	2	9	5	4	1	8	356.2	35.3	21.0	..	14.2	30.5	22.3	24.8	11.0	74.6
	Narainganj	...	10	6	...	...	...	82.2	60.6	...	...	4	2	1	...	2	1	3	2	...	1	745.5	91.2	39.4	...	99.5	19.5	72.9	74.7	...	79.8
Faridpore ...	Faridpore	...	2	6	...	...	..	19.4	64.3	...	.	1	1	1	...	1	.	1	1	1	1	222.2	41.7	51.9	...	72.7	...	44.6	35.6	64.5	70.2
Backerganj ..	Barisal ..	1	1	1	...	...	213.1	8.3	7.6	...	..	2	...	...	..		...	1	...	...	...	530.6	...	...	...	...	...	20.8	...	...	...
Mymensing ...	Nasirabad	1	3	1	...	...	886.6	20.3	7.3	...	...	...	...	...	...	.	1	2	1	...	1	...	...	...	...	...	14.3	35.7	23.5	...	56.1
Chittagong ..	Chittagong	...	1	2	...	...	..	9.0	6.8	...	...	..	2	.	..	.	1	.	. .	...	...	...	52.9	...	...	...	11.2	...	--	...	...
Noakhali ...	Sudharam	. .	...	2	...	...	...	...	41.1	...	...	..	...	...	..	1	...	1	...	..	...	...	...	. .	...	84.1	...	59.6	...	...	...
Tipperah .	Comillah ...	...	3	2	...	...	...	20.2	14.1	...	...	3	..	...	...	1	...	.. .	...	1		52.3	...	..	...	41.3	...	...	.	64.0	. .
Patna ..	Patna City	...	60	19	...	..	...	21.9	24.2	...	...	10	11	5	3	5	11	7	5	2	10	1,0[illegible].6	3[illegible].2	15.4	19.8	23.3	19.9	15.7	13.9	7.4	57.7
	Behar ...	...	13	9	...	...	...	20.1	30.5	...	...	8	3	2	...	1	...	1	1	3	3	250.1	26.9	17.2	...	17.4	...	7.4	11.1	43.1	43.4
Gya .	Gya ...	...	53	21	...	..	...	45.1	67.9	...	...	15	9	3	2	1	4	2	8	10	16	522.9	73.7	22.3	15.3	9.9	14.1	8.2	42.[illegible]	79.1	161.6
Shahabad ...	Arrah ...	...	8	3	...	...	...	13.4	12.6	...	...	3	3	. .	...	.	1	..	2	...	2	121.1	35.2	...	...	...	0.6	...	12.2	...	30.1
	Buxar ...	...	3	3	...	...	...	11.2	43.4	...	...	1	...	...	..	.	3	...	1	...	1	125.3	...	...	. .	...	48.8	..	24.5	...	45.1
Mozufferpore ...	Mozufferpore	...	17	3	...	...	...	29.4	12.5	...	...	8		2	...	...	5	2	2	1	...	435.0	...	25.1	...	...	50.3	14.9	24.8	16.0	..
Durbhanga ..	Durbhanga	...	37	5	...	...	...	39.7	14.8	...	...	10	6	3	...	2	...	6	5	3	7	134.0	41.0	19.9	...	25.9	...	28.0	34.0	33.0	114.0
Sarun ...	Chupra ...	...	20	7	...	...	...	26.2	30.6	...	...	3	8	...	..	1	2	..	1	2	10	110.6	66.8	...	...	15.6	11.3	...	8.6	25.2	152.9
Chumparun ...	Motihari ...	...	7	1	...	...	...	48.4	18.8	...	...	3	...	...	1	...	1	...	...	1	2	1,138.7	...	...	39.9	...	25.8	...	...	55.7	171.3
Monghyr ...	Monghyr ...	..	43	9	...	...	...	50.0	37.2	...	...	8	7	6	2	4	5	7	2	2	9	280.1	58.5	44.2	18.1	55.1	25.1	41.8	14.3	26.2	130.5
	Jamalpore	...	16	2	...	...	...	14.7	33.5	...	...	4	4	1	1	1	2	...	2	...	3	585.9	136.6	30.1	44.2	64.5	37.1	...	74.1	...	253.9
Bhagulpore ...	Bhagulpore	..	39	6	...	...	...	34.0	16.5	...	...	4	7	...	1	4	4	.	2	9	7	144.9	56.1	...	7.2	42.0	15.9	...	15.6	92.3	84.6
Purneah ...	Purneah ...	...	5	1	...	...	..	28.3	9.2	...	...	1	2	...	...	...	1	...	.	1	1	183.7	86.1	...	...	...	15.8	...	...	55.5	64.4
Maldah ..	English Bazar	..	23	18	...	...	...	164.6	181.9	...	...	5	7	12	1	1	...	2	5	1	7	851.4	38[illegible].4	415.7	42.1	48.9	...	48.4	176.6	69.5	517.8
Sonthal Pergunnahs.	Deoghur ...	...	7	...	...	...	...	47.2	...	...	...	2	3	1	..	. .	...	...	1	...	...	800.0	271.3	73.7	...	...	...	...	55.5	...	...
Cuttack ...	Cuttack ...	1	15	3	...	...	28.1	27.1	20.2	...	...	4	3	...	...	...	...	5	3	3	4	292.7	41.7	...	...	...	...	42.5	34.4	50.6	70.5
Pooree ...	Pooree ...	...	27	...	...	...	...	57.2	...	...	...	1	1	1	1	1	3	4	6	5	4	171.6	28.9	23.2	27.7	28.0	29.5	51.3	93.9	116.5	115.2
Balasore ...	Balasore ...	1	4	...	...	...	150.3	12.3	..	...	...	2	...	...	...	. .	.	...	..	...	3	196.6	...	...	...	...	...	...	...	...	134.7
Hazaribagh ...	Hazaribagh	..	6	5	...	..	...	28.4	63.1	...	...	4	2	1	...	...	...	1	1	...	2	427.1	57.1	25.9	...	...	...	24.4	31.9	.	124.3
Lohardugga ...	Ranchi ...	..	1	1	...	6	...	5.6	9.6	...	132.3	2	2	2	...	...	...	...	1	...	1	221.3	56.5	47.0	...	...	...	...	28.6	...	64.1
Singbhum ...	Chaibassa ...	1	3	...	...	...	481.5	30.5	...	...	...	...	1	1	1	...	1		..	...	...	...	93.7	69.7	82.9	...	43.7	...	...	...	...
Manbhum ..	Purulia ...	..	3	1	..	...	...	20.0	41.7	...	..	1	...	1	...	..	...	1	...	...	1	293.8	...	47.1	...	...	...	30.7	...	...	151.6
	TOTAL ..	7	551	333	...	6	26.2	38.3	35.9	...	65.6	202	160	100	35	61	127	114	105	91	202	273.7	55.[illegible]	30.5	12.1	25.2	19.7	21.1	25.0	40.5	156.0

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 30th November 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*
Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Major Works for the month of August 1891, as compared with that of the corresponding month of the previous year.

Canals.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month			To end of the month.			During the month.			To end of the month.		
Orissa Circle.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Taldunda Canal System	550	2	3	1,682	0	7	147	0	6	1,509	4	8
Kendrapara ditto	7,049	15	11	31,901	2	9	7,525	6	0	26,322	11	3
High Level, Range I	952	9	6	3,590	15	9	1,022	11	9	3,863	9	9
Ditto " II	206	6	9	806	10	0	294	4	9	1,429	6	6
Ditto " III	190	7	0	581	7	6	222	8	6	1,015	6	9
Jajepore Canal ...	4	6	0	68	7	4	30	13	6	100	3	10
Total Orissa Circle ...	8,953	15	5	38,630	11	11	9,242	13	0	34,270	10	9
South-Western Circle												
Midnapore Canal	9,023	3	0	39,580	14	0	10,279	14	6	52,845	5	9
Hidgellee Tidal Canal	3,932	12	0	5,122	5	3	5,705	5	3	14,753	15	0
Total South-Western Circle	12,955	15	0	44,703	3	3	15,985	3	9	67,599	4	9
Sone Circle.												
Patna Canal System ...	3,482	6	6	12,157	8	6	1,380	4	6	10,539	9	8
Arrah ditto ...	2,259	14	3	11,689	2	6	1,356	15	0	8,886	13	6
Buxar ditto ...	928	5	9	5,628	2	0	511	15	9	3,932	6	3
Total Sone Circle ...	6,670	10	6	29,474	13	0	3,249	3	3	23,358	13	5
Grand Total ...	28,580	8	11	1,12,808	12	2	28,477	4	0	1,25,228	12	11

Government Transport Service.

Canal.	Tollage, 1891-92.						Tollage, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
Orissa Circle.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level ...	1,035	402	907 11 5	4,207	4,016	4,273 9 9	816	320	721 3 7	3,948	4,040	4,351 9 10
Total Orissa Circle ..	1,035	402	907 11 5	4,207	4,016	4,273 9 9	816	320	721 3 7	3,948	4,040	4,351 9 10

Total Navigation Receipts.

Canals.	Earnings, 1891-92.						Earnings, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P	Rs.	A.	P.	Rs.	A.	P.
Orissa Canals ...	9,861	10	10	42,904	5	8	9,964	0	7	38,622	4	7
Midnapore Canal ..	9,023	3	0	39,580	14	0	10,279	14	6	52,845	5	9
Hidgellee Tidal Canal ...	3,932	12	0	5,122	5	3	5,705	5	3	14,753	15	0
Sone Canals ...	6,670	10	6	29,474	13	0	3,249	3	3	23,358	13	5
Total ...	29,488	4	4	1,17,082	5	11	29,198	7	7	1,29,580	6	9

CALCUTTA,
The 30th November 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 28th November 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 28th November 1891.			Week ending Saturday the 29th November 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	424	84,400	1,336	459	68,150	1,044
Jute	235	96,225	1,771	406	2,12,650	3,747
Firewood	120	73,585	1,108	154	87,800	1,290
Other articles	934	2,33,710	3,512	1,382	3,10,775	4,982
Total ...	1,713	4,87,920	7,757	2,406	6,78,875	11,063

NALHATI STATE RAILWAY.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of September 1891, as compared with the same month of the previous year.

Staples	1890.		1891		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1891.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons
Coal	873	... ..	1,746	......	873	1,746	873	... .
Cotton, raw	6	......	4	... ..	6	4	......	2
Cotton piece-goods—								
1.—European	16	......	24	2	16	26	10	...
Grains								
2.—Rice	110	29	106	7	139	113	......	26
3.—Gram	.....	......	1	......	... .	1	1	.. ..
4. Others	56	... ..	104	15	56	119	63	...
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	......	......	......	4	......	4	4	...
2.—Skins of sheep, goats, and small animals—								
a.—Dressed	... .	... ..	......	1	......	1	1	... ..
Jute—								
1. Raw	... ..	......	......	88	. .	88	88	... ..
2.—Gunny bags and cloths	3	2	3	1	5	4	......	1
Metals—								
2.—Iron	... ..	......	1	......	... .	1	1	.. ..
4.—Others	. ...	2	1	5	2	6	4	.. ..
Oils—								
1.—Castor	2	......	... .	......	2	......	......	2
2.—Kerosine	......	1	2	23	1	25	24	.....
3.—Others	.....	......	2	......	... ..	2	2	......
Oilseeds—								
1.—Linseed	... .	.. . .	2	... ..	......	2	2	...
2.—Mustard and rape	38	... ..	93	1	38	94	56	.. ...
Provisions—								
1.—Ghee	2	......	10	......	2	10	8	.
2.—Dried fruits and nuts	.....	15	......	13	15	13	......	2
3.—Others	1	......	3	......	1	3	2	......
Paper and pasteboard	2	... .	1	......	2	1	...	1
Railway plant and rolling-stock	32	4	.....	3	36	3	......	33
Salt	23	......	54	1	23	55	32	......
Silk, raw—								
2.—Indian	......	2	1	2	2	3	1	.. ...
Silk piece-goods—								
2.—Indian	... ..	2	1	5	2	6	4	.....
Spices—								
2.—Others	......	......	1	.. ...	... ..	1	1	......
Sugar—								
1.—Drained	8	......	5	......	8	5	......	3
2.—Undrained	30	......	4	......	30	4	......	26
Tobacco	......	... ..	17	18	......	35	35	......
Timber	13	.. ..	7	......	13	7	......	6
All other articles of merchandise	77	19	58	40	96	98	2	......
Total ...	1,252	76	2,251	229	1,368	2,480	1,214	102

Increase.

	Tons.
Coal	873
This is due to greater import for storage.	
Cotton piece goods—	
(1) European	10
Due to Durga Poojah requirements.	
Grains—	
(4) Others	63
Due to greater import of indigo seed.	
Jute—	
(1) Raw	88
Due to greater despatch of pressed jute from Jiaganj.	
Oils—	
(2) Kerosine	24
This is due to E. I. Railway rate being high carried by steamer to Azimganj and thence by railway to Nalhati.	
Oil-seeds—	
(2) Mustard and rape	56
Due to greater import for high demand.	
Salt	32
This is due to greater import to intermediate stations.	
Tobacco	35
There was no traffic in this head last year.	

Decrease.

	Tons.
Grains—	
(2) Rice	26
Less exported owing to local rate being high.	
Railway plant and rolling-stock	
Less materials carried.	
Sugar—	
(2) Undrained	26
Due to less import owing to dull market rate.	

R. G. Mookerjee.
Manager, Nalhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 21st November 1891, on 1,525½ miles open.

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*303,156	*3,66,562 15 0	24,45,301 10	6,39,312 3 0	16,531 12 0	10,13,436 14 0	73,779½	100,621½	174,401
Or per mile of railway ...	.....	240 4 8	.....	413 3 3	10 13 5	664 5 4	.....	.....	..
For previous 20 weeks of half-year ...	4,903,969	52,45,496 11 0	4,45,77,016 10	1,05,31,791 9 0	3,11,149 1 0	1,61,88,347 5 0	1,399,892½	1,804,695	3,204,587½
Total for 21 weeks ...	5,207,125	56,11,959 10 0	4,70,22,317 20	1,11,62,133 12 0	3,27,680 13 0	1,71,01,784 3 0	1,473,672½	1,905,316½	3,378,988½
Comparison.									
Total for corresponding week of previous year ...	261,984½	3,39 182 9 6	20,18,772 0	5,83 980 12 9	20,684 2 10	9,43 847 9 1	74,411	79,505	153,916
Per mile of railway corresponding week of previous year ...	......	222 5 6	....	382 13 0	13 8 11	618 11 5	......	......	....
Total to corresponding date of previous year ...	4,767,590	52,25,.06 14 5	3,88,05,149 20	93,05,061 2 10	3,29,858 14 2	1,48,61,126 15 5	1,369 930	1.592 524	2,962 454

* The increase in coaching earnings is due partly to return pilgrim traffic caused by the eclipse of the moon and Sonepur fair, and partly to running of special trains for the Viceroy's Bodyguard and Remounts.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 21st November 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*23,406	*11,109 14 0	43,148 20	3 131 13 0	43 0 0	14,284 11 0	2,092	1,287	3,379
Or per mile of railway ...	409	194 3 8	754 20	54 12 1	0 12 0	249 11 9	.	....	..
For previous 20 weeks of half-year ...	267,535	1,47,252 0 0	9,35,586 20	61,025 7 0	691 0 0	2,08,968 7 0	27,900	13,519	41,419
Total for 21 weeks .	290,941	1,58,361 14 0	9,78,735 0	64,157 4 0	734 0 0	2,23,253 2 0	29,992	14,806	44,798
Comparison									
Total for corresponding week of previous year ...	10,088½	5.436 4 1	54,092 10	3,308 0 0	61 8 9	8,805 12 10	1,554	840	2,394
Per mile of railway corresponding week of previous year	187	95 0 7	945 30	57 13 4	1 1 3	153 15 2	....	.....	.....
Total to corresponding date of previous year ...	264,080½	1,47,024 7 2	7,24,197 0	47,668 13 0	1,197 10 6	1,95,890 14 8	27,987	12,350	40,337

* The increase in coaching earnings is due to return pilgrim traffic caused by the eclipse of the moon and Sonepur fair.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 21st November 1891, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*23,034	*5,964 5 0	11,790 30	612 15 0	8 0 0	6,615 4 0	883	99	982
Or per mile of railway ...	......	268 0 11	......	28 14 4	0 5 9	297 5 0	......	......	......
For previous 20 weeks of half-year ...	355,660	87,424 15 0	1,46,633 0	5,726 13 0	127 0 0	93,278 12 0	17,618	1,982	19,600
Total for 21 weeks ...	378,694	93,389 4 0	1,58,423 30	6,339 12 0	135 0 0	99,894 0 0	18,501	2,081	20,582
Comparison.									
Total for corresponding week of previous year ...	19,467	4,900 6 3	9,829 0	419 7 0	9 1 0	5,328 14 3	889	79	968
Per mile of railway, corresponding week of previous year ...	......	220 3 11	......	18 13 7	0 6 6	239 8 0	......	......	......
Total to corresponding date of previous year ...	354,209½	87,516 10 4	1,45,214 30	5,326 10 6	365 9 2	93,208 13 6	18,862	1,136	19,998

* The increase in coaching earnings is due to return pilgrim traffic.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 21*st November* 1891, *on* 162 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	17,336	13,319 0 0	40,912 20	10,848 13 0	61 0 0	24,228 13 0	6,765½	1,639	8,404½
Or per mile of railway	......	82 3 6	......	66 15 6	0 6 0	149 9 0	......	......	......
For previous 20 weeks of half-year	287,831	2,30,207 4 0	7,63,830 0	1,55,967 9 0	1,209 0 0	3,87,383 13 0	122,164½	29,234½	151,399
Total for 21 weeks ...	305,167	2,43,526 4 0	8,13,742 20	1,66,816 6 0	1,270 0 0	4,11,612 10 0	128,930	30,873½	159,803½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 21*st November* 1891, *on* 777 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	181,916	80,460 0 0	6,07,242 0	1,58,540 0 0	13,020 0 0	2,52,020 0 0	26,000	39,828	65,828
Or per mile of railway	234	104 0 0	782 0	204 0 0	†2 0 0	510 0 0	......	......	......
For previous 20 weeks of half-year*	3,100,513	14,06,362 0 0	1,28,79,642 0	30,23,568 0 0	2,94,159 0 0	47,24,089 0 0	519,900	694,240	1,214,146
Total for 21 weeks ...	3,282,429	14,86,822 0 0	1,34,86,884 0	31,82,108 0 0	3,07,179 0 0	49,76,109 0 0	545,900	734,074	1,279,974
Comparison.									
Total for corresponding week of previous year	161,763	84,324 0 0	7,30,160 0	1,83,377 0 0	23,180 0 0	2,90,881 0 0	26,098	41,000	67,098
Per mile of railway corresponding period of previous year ...	212	111 0 0	957 0	240 0 0	†4 0 0	355 0 0	......	......	......
Total to corresponding date of previous year	2,935,505	13,06,109 0 0	1,81,25,877 0	31,95,320 0 0	3,69,380 0 0	48,70,899 0 0	503,109	709,900	1,213,009

* Audited up to week ending 3rd October 1891.
† Excluding steamer's earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 21*st November* 1891, *on* 125 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	36,812	14,250 0 0	49,595 0	3,630 0 0	120 0 0	18,000 0 0	4,125	2,000	6,125
Or per mile of railway	294	114 0 0	397 0	29 0 0	1 0 0	144 0 0	......	......	......
For previous 20 weeks of half-year*	542,330	1,85,165 0 0	10,11,867 0	80,039 0 0	4,716 0 0	2,69,920 0 0	72,583	39,885	112,468
Total for 21 weeks ...	579,142	1,99,415 0 0	10,61,462 0	83,669 0 0	4,836 0 0	2,87,920 0 0	76,708	41,885	118,593
Comparison.									
Total for corresponding week of previous year	29,361	11,706 0 0	37,293 0	3,116 0 0	1,111 0 0	15,933 0 0	3,910	1,930	5,840
Per mile of railway corresponding week of previous year ...	235	93 0 0	298 0	25 0 0	9 0 0	127 0 0	......	......	......
Total to corresponding date of previous year	525,287	1,76,457 0 0	8,57,383 0	70,525 0 0	4,561 0 0	2,51,543 0 0	75,704	38,749	114 453

* Audited up to week ending 3rd October 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 21st November 1891, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	17,890	5,600 0 0	26,404 0	2,940 0 0	150 0 0	8,690 0 0	2,250	907	3,157
Or per mile of railway	208	65 0 0	307 0	34 0 0	2 0 0	101 0 0	......	......	......
For previous 20 weeks of half-year	326,445	1,05,798 0 0	3,76,662 0	30,878 0 0	3,008 0 0	1,39,684 0 0	53,946	15,731	69,677
Total for 21 weeks ...	344,335	1,11,398 0 0	4,03,066 0	33,818 0 0	3,158 0 0	1,48,374 0 0	56,196	16,638	72,834
Comparison.									
Total for corresponding week of previous year	18,794	6,842 0 0	36,300 0	3,379 0 0	529 0 0	10,750 0 0	2,307	1,389	3,786
Per mile of railway corresponding period of previous year	219	80 0 0	422 0	39 0 0	6 0 0	125 0 0	......	......	......
Total to corresponding date of previous year	317,173	1,03,912 0 0	4,52,564 0	39,819 0 0	6,090 0 0	1,49,821 0 0	50,022	18,350	68.372

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 21st November 1891, *on* 27¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,529	1,260 0 0	9,007 0	490 0 0	30 0 0	1,780 0 0	546	190	736
Or per mile of railway	130	46 0 0	331 0	18 0 0	1 0 0	65 0 0	......	......	......
For previous 20 weeks of half-year	57,652	20,715 0 0	1,90,089 0	9,834 0 0	344 0 0	30,893 0 0	10,197	9,080	19,277
Total for 21 weeks ...	61,181	21,975 0 0	1,99,096 0	10,324 0 0	374 0 0	32,673 0 0	10,743	9,270	20,013
Comparison.									
Total for corresponding week of previous year	3,303	1,386 0 0	9,741 0	556 0 0	2 0 0	1,962 0 0	655	217	872
Per mile of railway corresponding week of previous year ..	121	51 0 0	357 0	20 0 0	1 0 0	72 0 0	......	......	......
Total to corresponding date of previous year	63,160	22,397 0 0	2,16,392 0	11,488 0 0	347 0 0	34,232 0 0	11,373	11,622	22,995

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 14th November 1891, *on* 739 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated) including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 739 miles open	133,770	a 71,280	2,42,050	33,690	9,200	1,14,170	16,472	11,826	28,298
Or per mile of railway ...	181·01	96·45	328·35	45 59	12·45	154 47	......	.....	......
For previous 18¾ weeks of half-year	1,476,700	5,79,854	52,79,952	6,21,612	1,57,137	b 13,58,603	231,046	259,165	b 490,411
Total for 19¾ weeks ..	1,610,470	6,51,134	55,22,602	6,55,302	1,66,337	14,72,773	247,518	270,901	518,509
Comparison.									
Total for corresponding week of previous year on 699 miles open	67,480	27,380	c 4,32,770	60,253	7,067	94,709	12,050	16,417	28,467
Per mile of corresponding week of previous year (d)	97·37	39·52	624·49	86·95	10·20	136·67	......	......	......
Total to corresponding date of previous year	1,486,110	5,35,770	53,07,781	6,01,693	1,26,596	13,24,059	233,114	251,215	484,329

a Increase in passenger traffic is due to fairs held at Ajodhya and Sonepore.
b Includes audited figures up to 3rd October 1891.
c Approximate figures.
d Calculated upon average mileage (693 miles).

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 14th November 1891.	Week ending 15th November 1890.	Week ending 14th November 1891.	Week ending 15th November 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	34,100 0 0	11,823 0 0	37,180 0 0	15,559 0 0
Goods	12,800 0 0	19,746 0 0	20,890 0 0	40,507 0 0
Other earnings	5,460 0 0	3,652 0 0	3,740 0 0	3,416 0 0
Total ...	52,360 0 0	35,221 0 0	61,810 0 0	59,438 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 7th November 1891	12,886	0	0
Corresponding period of 1890	12,810	0	0
Increase	76	0	0
Receipts per mile for week ending 7th November 1891	252	10	8
Corresponding period of 1890	251	2	10
Increase	1	7	10
Receipts from 1st July to 7th November 1891	2,15,187	0	0
Corresponding period of 1890	2,08,929	0	0
Increase	6,258	0	0

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OFFICIAL PAPERS.

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CONTENTS.

WORKS OF PUBLIC UTILITY CONSTRUCTED DURING THE YEAR 1890.

No. 3543M.P.I.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

Mis. Pub. Improvements.

Dated Calcutta, the 3rd December 1891.

READ—

Statement of works of public utility constructed by private individuals in the several districts of Bengal during the year 1890.

READ AGAIN—

Statement of similar works constructed during 1889, and the Resolution thereon.

REMARKS.—The works of public utility constructed by private individuals in 1890 were as follows :—

	Number.	Cost.
		Rs.
Public buildings	9	45,948
Roads	5	1,425
Bridges	2	650
Embankments or bunds	5	8,519
Tanks	239	1,82,902
Wells	33	9,700
Ghâts	5	27,300
Irrigation channels	2	1,156
Other works	7	23,815
		3,01,415
Petty works costing below Rs. 200 each ...	...	34,729
Total ...	307	3,36,144

2. The total number of works costing more than Rs. 200 each which were constructed during the year under review, and the amounts contributed, including donations for petty works, as compared with those of the previous two years, are shown below :—

Year.	Number of works costing between Rs. 200 and Rs. 500 each.	Number of works costing more than Rs. 500 each.	Total number of works costing Rs. 200 and upwards each.	Total expenditure on works costing Rs. 200 and upwards each.	Add cost of petty works under Rs. 200.	Total contributions.
				Rs. A. P.	Rs. A. P.	Rs. A. P.
1888 ...	331	132	463	3,20,492 9 0	74,749 8 0	3,95,242 1 0
1889 ...	484	354	838	5,58,277 2 0	90,856 13 9	6,49,133 15 9
1890 ...	191	116	307	3,01,415 0 0	34,729 0 0	3,36,144 0 0

3. The number of works costing each Rs. 200 and upwards carried out in the different districts and the amounts contributed for their construction are given in the following statement :—

Name of district.	No. of works.	Total cost.
		Rs.
Burdwan	5	4,600
Bankura	Nil	Nil.
Birbhum	1	415
Midnapur	12	4,100
Hooghly	2	9,000
Howrah	Nil	Nil.
24-Pergunnahs ...	1	2,000
Nadiya	1	1,200
Jessore	8	4,100
Murshidabad ...	1	700
Khulna	7	2,025
Dinajpur	8	4,300
Rajshahai	40	60,875
Pabna	9	10,540
Bogra	27	15,239
Rangpur	14	32,350
Jalpaigori	3	2,590
Darjeeling (the work carried out in this district was petty).		
Dacca	6	4,200
Faridpur	18	6,880
Backerganj	2	1,200
Maimensingh ...	19	9,260
Noakhali	1	220
Carried over ...	185	1,75,784

Name of district.	No. of works.	Total cost.
		Rs.
Brought forward ...	185	1,75,784
Tipperah	16	7,218
Chittagong	Nil	Nil
Chittagong Hill Tracts ...	Nil	Nil
Patna	1	32,000
Gya	2	865
Shahabad	6	1,800
Mozafarpur ...	8	3,500
Champarun... ...	10	13,800
Sarun	6	28,700
Darbhanga... ...	Nil	Nil
Monghyr	18	4,800
Bhagalpur	19	8,500
Purneah	1	3,100
Maldah	5	3,899
Sonthal Pergunnahs ...	11	11,299
Cuttack	6	1,400
Puri	1	200
Balasore	10	3,850
Hazaribagh (all works carried out in this district were petty).		
Manbhum	1	300
Singbhum	1	400
Lohardaga ...	Nil	Nil
Total ...	307	3,01,415

4. Of the works enumerated in paragraph 1, the following are specially noted:—

Public buildings.—Under this head, a sum of Rs. 45,948 was contributed. Of this amount, Surat Mandal gave Rs. 1,200 for a mosque at Bagula, in the Nadiya district; Babu Sarut Chundra Ray Chowdhury gave Rs. 7,000 for a school building in the town of Gaibandha, in the Rangpur district; Moulvie Khoda Bux, Khan Bahadur, gave Rs. 32,000 for a library at Chowhatta, in the Patna district; and Babu Jadu Lal Marwari gave Rs. 3,000 for a serai at Bhogwan Bazar, in the Sarun district.

Roads.—The total of Rs. 1,425 under this head is made up mostly of small amounts, the largest being Rs. 400 given by Panjoo Howladar for a road in Char Hogla, in the district of Backergunge.

Bridges.—Rs. 650 only were contributed for two bridges—one costing Rs. 350 at Dhoomnagar, in the Champaran district, and the other costing Rs. 300 near the Panka river, in the Monghyr district, which were constructed, respectively, by Roopan Kahar and Nanku Kampti.

Embankments or bunds.—Of Rs. 8,519 contributed, Rs. 5,441 were given by Mr. William Maling Grant for a bundh at Deegalpahari, in the Sonthal Pergunnahs. This gentleman also gave Rs. 1,624 and Rs. 929 for two other bundhs in the same district.

Tanks.—Under this head the large sum of Rs. 1,82,902 was contributed. The following contributions are specially noted:—Babu Nil Madhub Hazra, Burdwan district, Rs. 2,000; Babu Dwarka Nath Chakravarti, Hooghly district, Rs. 5,000; Sheikh Tofeluddin, Hooghly district, Rs. 4,000; Ranee Mon Mohiny Dabya, Rajshahai district, Rs. 30,000; Meherulla Sarkar, Rajshahai district, Rs. 2,000; Babu Tara Chand Saha, Pabna district, Rs. 4,540; Manaraddi Choudhuri, Tipperah district, Rs. 2,500; Doolhin of Bettiah, Champarun district, Rs. 5,000; and Babu Anaroodha Jha, Champarun district, Rs. 4,000.

Wells.—Rs. 9,700 were spent in constructing wells. Rs. 600 were contributed in the district of Pabna for one well; Rs. 700 in the district of Maimensingh for two wells; Rs. 1,800 in the district of Shahabad for six wells; and Rs. 4,250 in the district of Monghyr for sixteen wells. The other wells for which contributions were given during the year are distributed among the districts of Dinajpur, Rajshahai, Gaya, Chumparun, Sarun, and Cuttack.

Ghâts.—The Jute Mills Company of Gouripore gave Rs. 2,000 for a pucca bathing ghât on the riverside at Gouripore, in the 24-Pergunnahs district, with a pucca road leading to it; Kaimuddi Bepari gave Rs. 800 for a masonry ghât to the Government tank at Bhola, in the Backerganj district; Babu Jadu Lal Marwari gave Rs. 1,800 for a pucca ghât on the river Gogra at Rattanpurwah, in the Sarun district; and Babu Mahabir Pershad gave Rs. 22,000 for a bathing ghât on the river Daha at Sewan, in the same district.

Irrigation channels.—Only two irrigation channels or dhars were constructed during the year, and both in the Sonthal Pergunnahs—one at Doondia at a cost of Rs. 247, and the other from Deegalpahari bundh to Tilabooni at a cost of Rs. 909. This latter sum was contributed by Mr. William Maling Grant.

Other works.—Under this head are included repairs and improvements. Babu Janoki Ballab Sen gave Rs. 20,000 for excavating the dry bed of the Ghaghat river, in the Rungpore district; His Highness the Maharajah of Kuch Behar gave Rs. 2,350 for repairing the Patgram and Morangahat road and the emigration roads and bridges thereon in the Jalpaigori district, and Rs. 240 for removing and improving the hât site at Patgram; Babu Jadu Lal Marwari gave Rs. 700 for improving a tank at Bhogwan Bazar, in the Sarun district; Babu Bhokta Ram Rai gave Rs. 200 for repairing a tank at Panrora, in the Sonthal Pergunnahs district; and Babus Beer Coomar, Bhanja and Ram Churn Singh gave Rs. 325 for repairing a bundh at Doondia, in the same district.

RESOLUTION.—The donations for works of public utility have diminished considerably both in number and amount, and the Lieutenant-Governor hopes that the decrease noticed is a temporary one, and that future reports will show

a decided improvement both in the number of works constructed and the sums contributed for them. To those who have contributed towards such works during 1890 the Lieutenant-Governor tenders his acknowledgments for their public spirit and liberality, and in doing so His Honour desires to express a hope that the good example set by them will be followed by those who can afford to contribute towards works of usefulness for the benefit of the poorer classes in the country.

Letters of acknowledgment will be forwarded by the Government to those who have constructed works costing over Rs. 500. The contributors of works costing Rs. 500 and under will, as usual, receive an acknowledgment from the Commissioner or the Magistrate of the division.

ORDER.—Ordered that a copy of this Resolution and of the statement be forwarded to the Board of Revenue, Lower Provinces, and to all Commissioners of Divisions; to the Commissioner of Chutia Nagpur, and to all Superintending Engineers of Public Works Circles in Bengal, for information.

Ordered also that a copy of this Resolution and of the statement be forwarded to the Revenue and Judicial Departments of this Government for information.

Ordered also that this Resolution and the statement be published in the Supplement to the *Calcutta Gazette* for general information.

By order of the Lieutenant-Governor of Bengal,

F. J. JOHNSTONE,

Joint-Secretary to the Government of Bengal.

Statement of works of public utility constructed by private individuals during the year 1890.

Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
BURDWAN.	Burdwan	Nil Madhab Hazra	Tank	Majnigram in thana Katwa...	2,000 0 0		
		Modhu Sudan Santra...	Two tanks	One in Ajhapur in thana Jamalpore and the other.	500 0 0		
				In Katuriapara in the same thana.	300 0 0		
		Prasanna Chandra Pal	Tank	Kashipur in thana Satgachia	1,500 0 0		
		Sayed Suderuddin	Do.	Natunhat in thana Satgachia	300 0 0	4,600 0 0	
	Bankura ...	Nil	Nil	Nil	Nil		
	Birbhum	Nilachal Ghose	Tank	Solpore	415 0 0		
		Works costing less than Rs. 200 ...	......	......	125 0 0	540 0 0	
	Midnapur	Shyama Churn Dey	Tank	Borrhai, police-station Narayangur.	200 0 0		
		Prasunno Coomar Pahari	Re-excavation of a tank.	Durgahatitako, police-station Narayangur.	200 0 0		
		Raja Ram Chundra Bhanja, Rai Bahadoor, of Mayourbhanja.	School building ...	Nayabusan, police-station Gopiballabpore.	350 0 0		
		Ram Sodoy Mondal	Re-excavation of a tank.	Jatra, police-station Salboni	250 0 0		
		Keshob Patar	Tank	Nanda Korya, outpost Sowrab	400 0 0		
		Boidi Patar	Do.	Pamwara, ditto ...	400 0 0		
		Gopi Nath Dass	Do.	Kandarpapur, outpost Chaulkhola.	300 0 0		
		Modhusudan Mullik	Do.	Bamapara, police-station Chandrakona.	500 0 0		
		Romesh Chunder Roy	Do.	Morh ditto ...	300 0 0		
		Prabat Gain	Do.	Bhalaidanga, ditto ...	200 0 0		
		Chandra Mohan Gain	Chandni roof on the masonry ghât on the riverside.	Nimtola, police-station Daspur.	600 0 0		
		Norohori Sen	Tank	Jagannath Chak, police-station Khedgreo.	400 0 0		
		Works costing less than Rs. 200 ...	......	......	200 0 0	4,800 0 0	
	Hooghly	Dwarka Nath Chakravarti ...	Tank	Village Jurut, police-station Bolagur.	5,000 0 0		
		Sheikh Tofoluddin	Do.	On Majra road, police-station Pullera.	4,000 0 0	9,000 0 0	
	Howrah ...	Nil	Nil	Nil	Nil		18,440 0 0
PRESIDENCY.	24-Pergunnahs.	Jute Mills Company, Gouripore ...	Pucca bathing ghât on the riverside with a pucca road leading to it.	Gouripore, thana Naihaty ...	2,000 0 0*	2,000 0 0	
	Nadiya ...	Surat Mondal	Mosque	Bagula	1,200 0 0		
		Works costing less than Rs. 200 each.	......	......	245 0 0	1,445 0 0	
	Jessore ...	Ananda Dass Bairagy	Tank	Anantapore	1,000 0 0		
		Tous Mondal	Do.	Krishnaghore	250 0 0		
		Akhij Gazi	Do.	Ditto	250 0 0		
		Dwarka Nath Biswas	Do.	Dohori	250 0 0		
		Khand Khan	Do.	Barenga	250 0 0		
		Joy Nath Mullik	Do.	Rampore	900 0 0		
		Jadu Nath Baite	Do.	Ditto	500 0 0		
		Gohar Mondal	Do.	Digha	700 0 0		
		Works costing less than Rs. 200 each.	......	......	150 0 0	4,250 0 0	
	Murshidabad.	Shookni Biboo, widow of late Nowaj ali Meah.	Tank	Haroa	700 0 0	700 0 0	
	Khulna ...	Haibatulla Shaikh	Tank	Gobarchaka	250 0 0		
		Durgapodo Banerjee...	Do.	Beghuadanga	375 0 0		
		Hakim Shaikh	Do.	Srikolash	200 0 0		
		Tokini Karikar	Do.	Barabpore	350 0 0		
		Hasein Sardar	Do.	Pirgajim	300 0 0		
		Raicharn Ghosh	Do.	Chardah	300 0 0		
		Prasanna Ch. Mitra and Protap Ch. Basu.	Road	Ratanpore	250 0 0		
		Works costing less than Rs. 200 each.	......	......	150 0 0	2,175 0 0	
							10,570 0 0

* The cost of the ghât was Rs. 1,500 and that of the road Rs. 500.

Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
Rajshahai.	Dinajpur	Hara Sundor Sarkar, of Surangapur, police-station Hemtabad.	Tank	Surangapur	500 0 0		
		Sanoon Sarkar, of Bhagaon, police-station Hemtabad	Do.	Bhagaon	200 0 0		
		Malma Mandal, of Pooshali, police-station Patnitola.	Do.	Poushali	800 0 0		
		Forulla Mandal, of Polipora, police-station Patnitola.	Do.	Polipora	700 0 0		
		Mosi Mondal, of Polipora, police-station Patnitola.	Do.	Ditto	600 0 0		
		Anusu Mondal, of Nohori, police-station Patnitola.	Do.	Udpur	700 0 0		
		Sarat Chandra Chaudhury, of Jagudal, police-station Ramsankhal.	Do.	Jagudal	500 0 0		
		Hamer Saha, of Biswanathpur, police-station Koluali.	Pucca woll ...	Jalalpur fair	300 0 0		
		Work costing less than Rs. 200 ...	....	....	60 0 0		
						4,360 0 0	
	Rajshahai	Dian Sardar	Tank	Khamar Pachoora	800 0 0		
		Munshi Shah Mahammod	Do.	Lochungarh	800 0 0		
		Bakshi Mandal	Do.	Hamedpur	600 0 0		
		Bhola Mandal	Do.	Sharbareo	300 0 0		
		Badul Molla	Do.	Kathaia	300 0 0		
		Meeanat Mandal	Do.	Bhootlah	1,000 0 0		
		Beedasho Paranmanik	Do.	Balloadanga	900 0 0		
		Halim Pramanik	Do.	Jhoorgungo	950 0 0		
		Kali Mollah	Do.	Soonia Donga	500 0 0		
		Kolimuddin Sheik	Do.	Bhoogoepara	950 0 0		
		Hosh Shah	Do.	Kistonagla	500 0 0		
		Bhogah Mollah	Do.	Ditto	500 0 0		
		Tarif Pramanik	Do.	Beer Kayah	500 0 0		
		Noyul Shah	Do.	Nordash	800 0 0		
		Sonathan Dhorah	Do.	Sonajama	700 0 0		
		Ramnath Pramanik	Do.	Beelsabo	600 0 0		
		Roopa Pramanik	Do.	Dantmanik	1,275 0 0		
		Rosaldi Akanda	Repairs of tank ...	Hunspakuria	1,200 0 0		
		Boodeshi Fakir	Tank	Majeopara	1,250 0 0		
		Chanda Karikar	Do.	Bhogeo	1,000 0 0		
		Ranee Mon Monhiny Dabya ...	Do.	Puteah	30,000 0 0		
		Shib Chandra Choudhury	Do.	Paschim Bag	450 0 0		
		Tarun Krishna Choudhury	Do.	Kadargungo	1,000 0 0		
		Asmuth Pramanik	Do.	Kollah	1,000 0 0		
		Shakhat Pramanik	Do.	Talmupore	1,000 0 0		
		E. R. Lang, Esq., Manager of Messrs. Watson and Company.	Pucca well ...	Beelmariah	500 0 0		
		Meherulla Sarkar	Tank	Shekh Cheelan	200 0 0		
		Anunda Chundra Pal	Do.	Kollah	700 0 0		
		Gober Sardar	Do.	Kocha	800 0 0		
		Bona Sonar	Do.	Hathisail	800 0 0		
		Morhee Mondal	Do.	Laloach	800 0 0		
		Kobin Sardar	Do.	Chinaso	700 0 0		
		Parbati Sarkar	Do.	Dhoorail	800 0 0		
		Asmatt Mondal	Do.	Bodhpore	600 0 0		
		Pholoo Mondal	Do.	Bhandoal	700 0 0		
		Sreemontha Mondal	Do. ...	Narayanpur	500 0 0		
		Doolal Pramanik	Do.	Sheobpur	800 0 0		
		Kolai Mondal	Do.	Badhaik	600 0 0		
		Radha Moudal	Do.	Do.	500 0 0		
		Aber Mondal	Do.	Do.	900 0 0		
		Work costing less than Rs. 200 ...	......	......	100 0 0		
						60,975 0 0	
	Pabna ...	Tara Chand Saha	Tank	Banglagram, police-station Chatmohor.	4,540 0 0		
		Baool Sheikh	Well	Boira Hatkhola, police station Ser-jgungo.	600 0 0		
		Gazi Hazee	Tank	Roopakhura, police-station Rongunge.	700 0 0		
		Chanee Sarcar	Do.	Harisona, ditto ...	800 0 0		
		Dhamania Talukdar...	Do.	Gopalpore ditto ...	900 0 0		
		Mallik Sarkar	Do.	Ghooghootia ditto ...	500 0 0		
		Bi lio Abdel	Do.	Lakhikona, ditto ...	800 0 0		
		Murad Pramanik	Do.	Hut Ichla, ditto ...	1,000 0 0		
		Mohan Pramanik	Do.	Sabhor, ditto ...	700 0 0		
						10,540 0 0	
	Bogra ..	Punch Kowri Pal	Tank	Namga, police-station Bogra	500 0 0		
		Gagan Chundra Manjhi	Do.	Elongi, Independent outpost Dhanat.	600 0 0		
		Asmat Pramanik	Do.	Bara, police-station Adamdighi.	896 0 0		
		Miroo Shah	Do.	Shawel, ditto ...	1,000 0 0		
		Chupi Pramanik	Do.	Mortagapore, ditto .	860 0 0		
		Azin Pramanik	Do.	Bejir, ditto ...	600 0 0		
		Azalla Sonar	Do.	Soodil, ditto ..	462 0 0		
		Poosa Sardar	Do.	Kouchkori, ditto ..	600 0 0		
				Carried over ...	5,518 0 0		

[illegible]sion.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
				Brought over ...	5,518 0 0		
	Bogra—concld.	Rajib Pramanik	Tank	Chat Khar, police-station Adamdighi.	402 0 0		
		Basha Pramanik	Do.	Singra, ditto ...	800 0 0		
		Nabir Sardar	Do.	Chakranpore, ditto ...	700 0 0		
		Kancha Pramanik	Do.	Arail, ditto ...	900 0 0		
		Joniha Fakir	Do.	Maligram, ditto ...	410 0 0		
		Kalamdi Fakir	Do.	Modhaipuker, ditto ...	440 0 0		
		Monge Pramanik	Do.	Belta, ditto ...	250 0 0		
		Mohit Mondal	Do.	Bisha, ditto ...	280 0 0		
		Hajoo Pramanik	Do.	Maligram, ditto ...	425 0 0		
		Baseer Pramanik	Do.	Gopinathpur, ditto ...	226 0 0		
		Gopal Byragi	Do.	Ditto, ditto ...	204 0 0		
		Jona Pramanik	Do.	Maligram, ditto ...	450 0 0		
		Chandra Kumar Chakraverty ...	Do. ...	Amshotto, ditto ...	900 0 0		
		Bhabani Mandal	Do.	Bashori, police-station Punchbebi.	200 0 0		
		Abor Molla	Do.	Dharki, ditto ...	900 0 0		
		Kaboj Mondal	Do.	Palikhar, ditto ...	300 0 0		
		Ramkanta Mondal	Do.	Isa, ditto ...	1,000 0 0		
		Dewnatulla Mondal	Do.	Bashori, ditto ...	200 0 0		
		Rajkiso o Choudhury	Do.	Harunja, police-station Khetlal.	700 0 0		
						15,239 0 0	
	Rangpur	Nobin Chandra Banerjee	Tank	Village Habibullapore, police-station Shadullapur.	200 0 0		
		Ramkristo Sarkar	Do.	Dhopadanga, ditto ...	600 0 0		
		Sarut Chundra Ray Choudhury ...	School building ...	Gaibundha town	7,0 0 0 0		
		Janoki Ballab Sen	Excavating the dry bed of the Ghaghat river.	Kotowali	20,000 0 0		
		Haru Haji	Tank	Behanigram, police-station Mahigunge.	300 0 0		
		Tarini Charun Chakraverty ..	Do.	Karshagram, ditto ...	400 0 0		
		Dinanath Das	Do.	Jababpur, police-station Ulipore.	500 0 0		
RAJSHA-HAI—concld.		Natu Hawi Kar	Do.	Ditto, ditto ...	500 0 0		
		Ram Kanta Sarkar	Do.	Anantapore, police-station Ulipore.	500 0 0		
		Dionulla Sarcar	Do.	Kaludanga, ditto ...	400 0 0		
		Andharu Toli	Do.	Mamin, ditto ...	400 0 0		
		Khola Toli	Do.	Bajoro Gorah	500 0 0		
		Bholanath Das Sarkar	Do.	Dhandungah	300 0 0		
		Panchu Sikari	Do.	Dewaner Khamer	750 0 0		
						32,350 0 0	
	Jalpaigori	His Highness the Maharaja of Cooch Behar.	Repairs to the emigration roads, 8 miles, with repairs to bridges.	Patgram	2,150 0 0		
		Ditto ditto ...	Repairs to Patgram and Morangahat road, 4 miles.	Ditto	200 0 0		
		Ditto ditto ...	Removing and improving hât site at Patgram.	Ditto	240 0 0		
		Works costing less than Rs. 200 ...	......	......	525 0 0		
						3,115 0 0	
	Darjeeling	Work costing less than Rs. 200 ...	......	......	92 0 0		
						92 0 0	1,20,671 0 0
DACCA...	Dacca ...	Mr. Gregory Pogose	Tank	Singsreo	200 0 0		
		Modan Mohan Mittra Biswas ...	Do.	Brahmangao	500 0 0		
		Khalit Haji of Balapore	Do.	Shoilta	300 0 0		
		Rajendra Kumar Bose	Do.	Close to Srinagar station ...	400 0 0		
		Kali Prasanna Rai and Tara Prasanna Rai.	Do.	Close to Manickgunge sub-divisional head-quarters.	1,300 0 0		
		Rashomay Bose	Do.	Sapka	1,500 0 0	[illegible],200 0 0	
	Faridpur	Ram Das Majhi	Do.	Goaldi	200 0 0		
		Pralhad Majhi (Kanai Majhi) ...	Do.	Jagardia	300 0 0		
		Kaloo Sheik	Do.	Bashgari	250 0 0		
		Govinda Chandra Datta	Do.	Jaykail	[illegible] 0 0		
		Nerod Krishna Rai, Zemindar ...	Do.	Maniknagar	[illegible] 0 0		
		Syam Lal Nandi	Do.	Rupait	1,[illegible] 0 0		
		Phorai Kazi	Do.	Dadkhali	[illegible] 0 0		
		Krishna Chandra Das	Do.	Damodya	400 0 0		
		Dina Bandhu Bhaddor	Do.	Ditto	200 0 0		
		Radha Charan Dhupi	Do.	Dahaipara	[illegible]00 0 0		
		Pochu Dewari	Do.	Gaetanarabad	250 0 0		
		Gopal Pharaim	Do.	Ditto	200 0 0		
		Chirakali Sheik	Do.	Pingaria	200 0 0		
		Basiraddi Mollah	Do.	Ghonapara	200 0 0		
		Guru Charan Mondal	Do.	Bhadalia	200 0 0		
				Carried over ...	5,525 0 0		

Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
				Brought over ...	5,525 0 0		
DACCA—*concld.*	Furidpur—concld.	Sadan Moulvie	Tank	Ryshpura	200 0 0		
		Jagada Nanda Adhikari	Do.	Pona	210 0 0		
		Gopal Chandra Bhattacharjee ... Tarini Charan Bhattacharjee ... Devendra Nath Bhattacharjee ...	Do.	Paranpore	945 0 0		
		Works costing less than Rs. 200 ...	......	....	575 0 0	7,455 0 0	
	Backerganj.	Kaimuddi Bepari	A masonry ghât to a Government tank.	Bhola	800 0 0		
		Panjoo Howladar	Road	Char Hogla	400 0 0	1,200 0 0	
	Maimensingh.	Kunja Behari Goswami	Tank	Bhabokhali	400 0 0		
		Lashori Mundle	Do.	Baje Kustia	400 0 0		
		Toun Sirkar	Do.	Dhani Khola	400 0 0		
		Gbvind Sirkar	Do.	Dighar Kanda	350 0 0		
		Rajan Sirkar	Do.	Gopalnagar	800 0 0		
		Khanu Ullah Munshee	Do.	Kasisimla	500 0 0		
		Nazir Sheik	Do.	Paslar Char	300 0 0		
		Jan Mahammed Sheik	Do.	Kuri Khai	500 0 0		
		Syam Lal Sirkar	Do.	Khamar Char	550 0 0		
		Dagu Sheik	Do.	Chur Premdi	500 0 0		
		Kali Charan Aich	Do.	Shaheb Khali	300 0 0		
		Parun Chung	Do.	Mukshudpore	350 0 0		
		Jonur Khan	Do.	Katabari	300 0 0		
		Shonadhur Sheik	Do.	Chur Premdi	300 0 0		
		Umoralli Sirkar	Do.	Baorah	600 0 0		
		Rakha Moni Dasya	Do.	Adna	1,700 0 0		
		Deb Nath Gope	Road	Chaparkona	300 0 0		
		Ram Charan Manjhi...	Well	Raghunathpur	300 0 0		
		Upendra Mohun Shaha	Do.	Nagorpur	400 0 0	9,250 0 0	22,105 0 0
CHITTAGONG.	Noakhali .	Chand Miah	Tank	Maitbhanga, police-station Sundip.	220 0 0	220 0 0	
	Tipperah	Chandramani Chang	Tank	Shulukmurah	350 0 0		
		Manaraddi Choudhuri	Do.	Isapura	2,500 0 0		
		Matiullah Bhuia	Do.	Ditto	200 0 0		
		Bandal Gazi	Do.	Hakhola	300 0 0		
		Debal Chang	Do.	Dankhola	500 0 0		
		Surjomani Chang	Do.	Ditto	450 0 0		
		Gobinda Sil and Jagabundhu Dass	Do.	Daulatpur	450 0 0		
		Asmatulla Mizi	Do.	Tila	200 0 0		
		Gina Gazi	Do.	Karaikandy	300 0 0		
		Aichali Bepari	Do.	Ditto	250 0 0		
		Ramgati Chang	Do.	Chapatali	300 0 0		
		Dona Gazi	Do.	Shastanagar	250 0 0		
		Nasu Gazi	Do.	Chandipasha	275 0 0		
		Sita Gazi	Do.	Ditto	320 0 0		
		Nowab Abdul Gani of Dacca ...	Dispensary	Gouripura	(a) 383 0 0		
		Amanullah Sheik	Re-excavation of a tank.	Safarmali	240 0 0		
		Works costing less than Rs. 200 ...	......	....	38 0 0	7,256 0 0	7,476 0 0
	Chittagong Chittagong Hill Tracts.	Nil	Nil	Nil.	Nil		
	Patna ..	Moulvie Khoda Bux, Khan Bahadur	Library	Chowhatta, police-station Peerbahore.	32,000 0 0		
		Works costing less than Rs. 200 ...	......	......	250 0 0	32,250 0 0	
	Gaya ..	Ram Rokha Lal	Well	Dularbigha	200 0 0		
		C Solano, Esq.	Charitable dispensary.	Arwal	665 0 0	865 0 0	
	Shahabad	Ruchunundun Lal	Pucca well ..	Bamahangama	200 0 0		
		Kunj Behari Singh	Ditto ..	Sinha	20 0 0		
		Moharajah of Dumraon	Ditto ..	Totagungaporshad	50 0 0		
		Jadubans Lal	Ditto ...	Jugmanpore	30 0 0		
		Kouleswar Dass	Ditto ..	Jhuria	200 0 0		
		Dwarka Pandit	Ditto ...	Khururi	400 0 0		
		Works costing less than Rs. 200 ...	......	......	2,227 0 0	4,027 0 0	
	Mozafarpur	Gopal Gowala	Tank	Bothnaha	300 0 0		
		Ramsarun Gowala	Do	Ramnagore	300 0 0		
		Santoki Koiri	Do.	Bhasar	400 0 0		
		Ratun Kuar	Do.	Kamaldah	1,000 0 0		
		Karamat Ali	Do.	Gaguli	300 0 0		
		Sheik Karamut	Do.	Pardoul	300 0 0		
		Mohur Sahu	Do.	Dyalpore	700 0 0		
		Ram Sarun Singh	Do.	Marai	200 0 0		
		Works costing less than Rs 200 ...	......	.. ..	10,282 0 0	13,782 0 0	

(a) The amount shown is the cost of buildings: Rs. 500 is allotted for the annual cost of the establishment.

Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
Patna—concld.	Champaran.	Harihur Missir	Tank	Chhupua	1,000 0 0		
		Rattanman Rai	Well	Pipra	200 0 0		
		Rattan Rout	Tank	Sirisa	1,500 0 0		
		Mohan Tewari	Do.	Belaspur	500 0 0		
		Bissonath Singh	Do.	Ahrowlia	800 0 0		
		Jowahir Bhagat	Well	Pakaria	250 0 0		
		Doolhin of Bettiah	Tank	Pokhra	5,000 0 0		
		Anaroodha Jha	Do.	Hurparwa	4,000 0 0		
		Doorbal Kandoo	Do.	Biswas	200 0 0		
		Roopun Kahar	Bridge	Dhoomnagar	350 0 0		
		Works costing less than Rs. 200 ...	......	....	8,770 0 0	22,570 0 0	
	Sarun ...	Babu Jadu Lal Marwari	Serai	Bhogwan Bazar close to railway station.	3,000 0 0		
		Ditto ditto	Pucca ghât on the river Gogra.	Rattanpurwah	1,800 0 0		
		Ditto ditto	Improvement of a tank.	Bhagwan bazar	700 0 0		
		Babu Mahabir Porshad	Bathing ghât on the river Daha.	Sewan	23,000 0 0		
		Shew Tahal Singh, Constable ...	Ditto ...	Do.	700 0 0		
		Babu Harihar Indra Sahi Manjhu	Well	Jalalpur	500 0 0		
		Works costing less than Rs. 200 ...	......	....	1,152 0 0	29,852 0 0	
	Durbhunga		*Nil*	*Nil*	*Nil*		1,03,346 0 0
Bhagalpur.	Monghyr	Nanku Kampti	Pucca bridge ...	Near Panka river	300 0 0		
		Kharakdhari Singh	Embankment ..	Rampur	250 0 0		
		Mokroo Mundar	Pucca well	Patam	300 0 0		
		Panchoo Mundar	Do.	Nurpur	300 0 0		
		Talo Mundar	Do.	Jhamboo	300 0 0		
		Porsona Kumri	Do.	Ara	325 0 0		
		Bansi Rai	Do.	Diari	350 0 0		
		Rahamat Ali	Do.	Alha	200 0 0		
		Gopal Gope	Do.	Bhikarighat	250 0 0		
		Doman Das Gope	Do.	Ditto	200 0 0		
		Doman Soori	Do.	Bishenpore	225 0 0		
		Bishnath Singh	Do.	Gangone	250 0 0		
		Bargani Singh	Do.	Masowrah	300 0 0		
		Hit Lal Singh	Do.	Hadar Gawn	250 0 0		
		Abdulla Muslim	Do.	Bhatta	200 0 0		
		Ganga Proshad	Do.	Bolowri	300 0 0		
		Palat Dhobi	Do.	Barowni	250 0 0		
		Sankar Koeri	Do.	Sanisa	250 0 0		
		Works costing less than Rs. 200 ...	......	......	1,500 0 0	6,300 0 0	
	Bhagalpur.	Baijnath Singh	Road	Bara	200 0 0		
		Jhumuck Mander	Tank	Jiwachpur	400 0 0		
		Girdhari Shahu	Do.	Mongrar	400 0 0		
		Boodhoo Sahu	Do.	Raini Barhara	500 0 0		
		Lala Mandar	Do.	Dighia	450 0 0		
		Hurai Mandar	Do.	Do.	400 0 0		
		Goodur Jha	Do.	Babhun	600 0 0		
		Koski Sahu	Do.	Belhi	600 0 0		
		Girdhari Das	Do.	Bela	300 0 0		
		Kali Misser	Do.	Do.	350 0 0		
		Choa Kamut	Do.	Pachgachia	400 0 0		
		Bhati Gowala	Do.	Doobiahi	300 0 0		
		Doolar Mandar	Do.	Do.	400 0 0		
		Ghoghan Mandar	Do.	Terhi	300 0 0		
		Gokhul Mandar	Do.	Karlua	300 0 0		
		Joyanand Sardar	Do.	Bahrari	800 0 0		
		Gope Sardar	Do.	Gopalpore	600 0 0		
		Sukhya Mandar	Do.	Dhamaina	600 0 0		
		Jognath Jha	Do.	Tola Dakiniya...	600 0 0		
		Works costing less than Rs. 200 ...	......	......	130 0 0	8,630 0 0	
	Purneah ...	Mati Chund Roy	Tank	Ubhua	3,100 0 0	3,100 0 0	
	Maldah ...	Mondar Mandul	Tank	Koil	1,000 0 0		
		Amtea Mandul	Do.	Amberia	1,000 0 0		
		Goruk Paikar	Do.	Gopalpore	1,200 0 0		
		Nur Baksh Mandul	Do.	Bangapukur	400 0 0		
		Keesto Dhun	Do.	Gopalpore	299 0 0		
		Works costing less than Rs. 200 ...	......	......	150 0 0	4,049 0 0	
	Sonthal Pergunnahs.	Mr. William Maling Grant ...	Road 5 miles long ...	From Deegalpahari to Dhacajore.	275 0 0		
		Ditto	Bundh	Deogalpahari	5,441 0 0		
		Ditto	Ditto ...	Bhuski	1,624 0 0		
		Ditto	Ditto ...	Chaptiam	929 0 0		
		Ditto	Dhar or irrigation channel.	From Deegalpahari bundh to Chaptiam, from Chaptiam to Assambooni, from Assambooni to Tilabooni.	909 0 0		
		Beer Coomar Bhanja, and Ram Churn Singh.	Repairs to a bundh ...	Doondia	325 0 0		
		Ditto ditto ...	A dhar or irrigation channel.	Ditto	247 0 0		
		Ditto ditto ...	Bundh	Doolijora	275 0 0		
				Carried over ...	10,025 0 0		

Division.	District.	Name of individual by whom constructed.	Description of work.	Place where constructed.	Cost.	Total of districts.	Grand total of division.
					Rs. A. P.	Rs. A. P.	Rs. A. P.
				Brought forward ...	10,025 0 0		
	Sonthal Pergunnahs—*concld.*	Bhokta Ram Rai	Repairs to a tank ...	Panrora	200 0 0		
		Bhikari Datta	Tank	Banshootia	500 0 0		
		Protap Bhakta	Do.	Dhebia	574 0 0		
		Works costing less than Rs. 200 ...	......	......	5,095 0 0	16,394 0 0	38,473 0 0
Orissa	Cuttack ...	Raja Padmalav Bhunja, of killah Kanika, police station Aul.	Four tanks ...	At villages Karad, Guldia, Manapara, Mangrajpur and Andolapur in killah Kanika.	1,000 0 0		
		Kanda Mandhata of Nijurh, killah Bularampur, police-station Dhuramsala.	Pucca well	At village Kayana in killah Balrampore.	200 0 0		
		Narayan Das of Baruna, in killah Durpan, police-station Dhurumsala.	Ditto ...	At village Sunamuhi Tangar in killah Durpan.	200 0 0		
		Works costing less than Rs. 200 ...	.....	.....	114 0 0	1,514 0 0	
	Puri ...	Pindik Mahapatra	Tank	Bera Berna, police-station Khorda.	200 0 0		
		Works costing less than Rs. 200 ...	......	.....	440 0 0	640 0 0	
	Balasore	Gadadhur Ruth of Nitikra, police-station Busta.	Tank	Nitikra, police-station Busta	200 0 0		
		Syam Sunder Chaudhury of Sundri, police-station Busta.	Do.	Jhakaria, police-station Balasore.	200 0 0		
		Woordhub Charan Puthal of Bamnia, police-station Busta.	Dhuramsala ...	Dehi Remna, police-station, Balasore.	800 0 0		
		Lakhan Panda of Ichapur, police-station Soro.	Tank	Bahaloga, police-station Soro	600 0 0		
		Radha Mohun Das of Khalla, police-station Soro.	Do.	Khalla, ditto ...	300 0 0		
		Woomesh Chundra Mundel, zemindar, Barabati.	Do.	Alna, ditto ...	300 0 0		
		Gobind Behera of Kopara, police-station Soro.	Do.	Kopara, ditto ...	500 0 0		
		Muss Magnum of Behenia, police-station Soro.	Do.	Beboonia, ditto ...	300 0 0		
		Joma Bema of Basudebpur, pergunnah Aunkura.	Do.	Basudebpur, pergunnah Aunkura, police-station Basudebpur.	350 0 0		
		Kali Bema Khoporpada, pergunnah Jogpur.	Do.	Gohirapara, pergunnnh Jogpur, police-station Dhumnagore.	300 0 0		
		Works costing less than Rs. 200 ...	......	......	1,968 0 0	5,818 0 0	7,972 0 0
Chota Nagpur.	Hazaribagh	Works costing less than Rs. 200 ...	......	......	100 0 0	100 0 0	
	Manbhum	Lukhi Tamulini of Chandil ...	Tank	Hamid, pergunnah Burrabhoom.	300 0 0	300 0 0	
	Singhbhum.	Bhagirathi Gour of Assanboni, thana Ghatsilla.	Do.	Assanboni, thana Ghatsilla...	400 0 0		
		Works costing less than Rs. 200 ...	......	......	291 0 0	691 0 0	
	Lohardugga	Nil ...	Nil ...	Nil ...			1,091 0 0

Summary.

		Rs.	A.	P.
Total of Burdwan Division ...	... ...	18,440	0	0
„ of Presidency „ ...	... ...	10 570	0	0
„ of Rajshahai „ ...	... ...	1,26,671	0	0
„ of Dacca „ ...	... ...	22,105	0	0
„ of Chittagong „ ...	... ...	7,476	0	0
„ of Patna „ ...	... ...	1,03,846	0	0
„ of Bhagalpur „ ...	... ...	38,473	0	0
„ of Orissa „ ...	... ...	7,972	0	0
„ of Chota Nagpur „ ...	... ...	1,091	0	0
	Total ...	3,36,144	0	0

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 5th December, 1891.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
BURDWAN DIVN.				
1	Burdwan Culna Cutwa Raneegunge	Dec. 5, '91	Nil 0·06 Nil Nil	Weather—seasonable. Harvesting of *aman* going on. Prices of common rice:— Srs. Sudder ... ... 15½ } Raneegunge ... ... 15½ } per rupee. Cutwa ... ... 15 } Culna ... ... 14 }
2	Bankoora	„ 5, '91	Nil	Weather—cloudy and rather warm for the season. Harvesting of winter rice and sowing of *rabi* crops continue. Condition of cattle good. Supply of fodder and water sufficient. Common rice selling at 18 seers per rupee at Bishenpore and 17 seers at the Sudder market.
3	Birbhum Rampore Haut	„ 5, '91 ...	Nil Nil	Weather—fair and cool. Harvesting of winter rice in progress. *Rabi* sowings continue and prospects good. Common rice selling at from 14½ to 18½ seers per rupee. Supply of fodder and water sufficient.
4	Midnapore	„ 5, '91	Nil	Weather—getting cooler every day. Harvesting of *haimanti* paddy going on. *Rabi* crops and indigo doing well. Fodder sufficient. Prices of common rice:— Srs. Sudder ... ... 18 } Contai ... ... 20 } per rupee. Tumluk ... ... 16 } Ghatal ... ... nearly 16 }
5	Hooghly Serampore Jehanabad	„ 5, '91	Nil Nil Nil	Weather—fair; rather warm for the season. *Aman* rice on high land has suffered for want of rain; total outturn 8 to 10 annas. Prospects of sugarcane and potatoes fair. Fodder and water-supply sufficient. Prices of common rice:— Srs. Sudder ... ... 12 } Serampore ... ... 13 } per rupee. Jehanabad ... ... 16 }
6	Howrah Uluberia	„ 5, '91 ...	Nil Nil	Weather—fine. *Aman* crop on higher lands has suffered from drought; otherwise there is a prospect of an average harvest. Sugarcane good. Price of common rice 14 seers per rupee. Cattle are healthy. Fodder and water-supply adequate.
PRESIDENCY DIVN.				
7	24-Perghs.	„ 5, '91	Nil	Weather—seasonable. Harvesting of *aman* has commenced. Sowing of winter crops still continues. Prices stationary. No cattle-disease reported. Supply of fodder and water sufficient.
8	Nuddea Kushtea Meherpore Chuadanga Ranaghat	„ 5, '91	Nil Nil Nil Nil 0·04	Weather—rather warm. Sky often clouded, but no immediate sign of rain. Harvesting of *aman* nearly finished; outturn poor. Condition of *rabi* crops continues bad for want of rain. Common rice selling at from 12 seers 12 chittacks to 15 seers per rupee. Condition of cattle good and supply of fodder and water sufficient.
9	Khoolna Bagirhat Satkhira	„ 5, '91	Nil Nil Nil	Weather—seasonable; occasionally cloudy. Prospects of *aman* fair. Reaping of *chhotan* paddy going on. Prospects of *rabi* crops not very good. Prices of common rice range from 13 to 16 seers per rupee. Fodder and water sufficient.
10	Jessore Jhenidah Narail Bongong	„ 5, '91	0·04 Nil Nil Nil	Weather—seasonable. Harvesting of *aman* paddy going on. Prospects of winter crops not favourable. No cattle-disease reported. Supply of water and fodder for cattle sufficient.
11	Murshedabad	„ 5, 91	Nil	Weather—seasonable. Harvesting of winter rice going on. *Rabi* crops are still being sown in Kandi and Sudder subdivisions. Fodder available. Ten head of cattle died of small-pox in Kandi subdivision.
CHITTAGONG DIVN.				
12	Chittagong	„ 5, '91	Nil	Weather—warm for the season; cloudy sometimes. State and prospects of winter rice crop fair. Prices stationary. Condition of cattle good. Fodder sufficient.
13	Noakhally	„ 5, '91	Nil	Weather—somewhat cloudy and unseasonably warm. *Aman* harvest progressing. *Rabi* crops coming up. Condition of cattle and supply of fodder and water good. Price of rice fairly stationary.
14	Tipperah	„ 5, '91	Nil	Weather—seasonable. Prospects of crops fair. Fodder sufficient. No cattle-disease reported from any part of the district.
15	Chittagong Hill Tracts.	„ 3, '91	0·29	Weather—seasonable. Gathering of cotton and harvesting of plough-paddy continue. Sowing and transplanting of winter crops almost over. Common rice sells at 12 seers 15 chittacks per rupee.

Division	No	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concluded.*					
DACCA DIVN.	16	Dacca	Dec. 5, '91	Nil	Weather—seasonable. Harvesting of *aman* rice going on. Prospects appear favourable. Fodder available. Common rice selling at from 13 to 17 seers per rupee. Condition of cattle good.
	17	Furreedpore Goalundo Madaripore	„ 5, '91	Nil Nil Nil	Weather—seasonable. Harvesting of *aman* paddy in progress. Cultivation and sowing of winter crops continue. Condition of cattle good and foddor available. Price of rice stationary.
	18	Backergunge	„ 5, '91	Nil	Weather—seasonable. Prospects of crops good in Patuakhali and Perozepore subdivisions, but poor in Bhola and Sudder subdivisions. Price of common rice varies from 11½ to 17 seers per rupee. Supply of fodder and water sufficient.
	19	Mymensingh	„ 5, '91	Nil	Weather—seasonably cold. Prospects of crops fair except in Jamalpore subdivision. Harvesting of *aman* crop continues. Common rice sells on average at 14½ seers per rupee. Condition of cattle good. Supply of water and fodder on the whole sufficient.
RAJSHAHYE DIVN.	20	Dinagepore Thakurgaon	„ 5. '91 ...	Nil Nil	Weather—cool. Prospect of winter rice not good. Cultivation of *rabi* crops still going on. Price of rice at Sudder 11 seers and at Thakurgaon 10 seers per rupee. Condition of cattle good. Supply of fodder and water sufficient.
	21	Rajshahye Nattore Nowgong	„ 5, '91	Nil Nil Nil	Weather—seasonable. Prospects of winter rice the same as before. Prospects of *rabi* crops good. Price of common rice varies from 12 to 16 seers per rupee. No cattle-disease reported. Supply of water and fodder sufficient.
	22	Rungpore Nilphamari Gaibanda Kurigram	„ 5, '91	Nil Nil Nil Nil	Weather—hot with cold mornings. Harvesting of *aman* going on. Prospects unchanged. Ordinary common rice is being sold at from 9 to 12 seers per rupee. Prospects of *rabi* crops favourable. Fodder sufficient.
	23	Bogra Sherpur Nowkhilla	„ 5, '91	Nil Nil Nil	Weather—seasonable. Prospects of *rabi* continue to be good. A yield of more than 8 annas of *aman* cannot be expected. No want of fodder and water. Common rice selling at 13½ seers per rupee.
	24	Pubna	„ 5, '91	Nil	Weather—seasonable. *Aman* paddy has been reaped for the most part, with an average outturn of 7 or 8 annas for the whole district. *Rabi* crops doing well, but require more rain. Tobacco expected to be a 12-anna crop. Sugarcane doing well Common rice selling at 13 seers per rupee. Supply of fodder and water sufficient. No cattle-disease.
	25	Darjeeling	„ 5, '91	Nil	Weather—fair. Reaping of high land paddy going on; low land paddy continues to ripen, and grain is getting hard. For want of rain in time an outturn of 10 annas is expected. *Kalai*, potatoes, and *turi* at Silliguri progressing well. No disease among cattle. Fodder and water-supply sufficient. Prices of common rice :— Srs. Silliguri ... ... 11 Phansidewa ... ... 9 Kurseong ... ... 10 Kalimpong ... ... 9 Darjeeling ... ... 10 Pulbazar ... ... 11 Jore Bungalow ... ... 10 Sonadah ... ... 10 Nagri ... ... 8 } per rupee.
	26	Julpigoree	„ 5, '91	Nil	Weather—seasonable. Harvesting of *haimanti* paddy commenced in places; ears small and poor outturn expected owing to insufficient rain. Transplantation of tobacco continues. Prospects of *rabi* crops favourable. Rice sells at 10 seers per rupee at head-quarters and 8 seers at Alipore. No cattle-disease. Foddor and water-supply abundant.
BEHAR.					
BHAGULPORE DIVN.	27	Monghyr Beguserai Jamui	„ 5. '91	Nil Nil Nil	Weather—clear and seasonable. *Rabi* crops doing well in Beguserai. Prospects unchanged in Jamui. Some damage to *rabi* from insects reported in the Sudder. Harvesting of winter rice has commenced in Jamui. Sowings of poppy completed in several villages, but retarded in some where difficulties of irrigation exist. Common rice selling at 13 to 15½ seers per rupee in Sudder, 12 to 14½ seers in Jamui, and 11 seers in Beguserai. Fodder and water-supply sufficient.
	28	Bhagulpore	„ 5, '91	Nil	Weather—seasonable. Harvesting of winter rice going on. Prospects of rice and *rabi* not improved. Prospects of *kurthi* fair. Sowing of linseed nearly finished. Fodder sufficient. Price of common rice 13½ seers per rupee.
	29	Purneah Kishengunge Arrareah	„ 5, '91	Nil Nil Nil	Weather—cooler. *Aghani* rice and *kurthi* are being cut. *Tori* (mustard) in flower. State of *rabi* crops still generally good, but rain needed. Price of rice at Arrareah 14 seers, Kishengunge 10 seers, and Head-quarters 11 seers per rupee. No cattle-disease. Fodder and water-supply sufficient.
	30	Maldah Chanchal Shibgunge Gajole	„ 5, '91	Nil Nil Nil Nil	Weather—moderately cool, but a little cloudy at intervals. Reaping of winter rice has commenced in Shibgunge, Nawabgunge, Gomastapur, and Gazole thanas; outturn estimated to be not less than 8 annas. *Kalai* and other standing crops thriving. Sowing of *boro* paddy has begun in some places. Common rice sells at 11 to 15 seers per rupee. Supply of fodder and water ample. No cattle-disease.
	31	Sonthal Perghs.	„ 5, 91	Nil	Weather—seasonable, but cloudy at times. Winter rice is still being reaped; outturn estimated to be 12 annas in Jamtara, Pakour, and Dumka, [illegible] annas in Deoghur, 9 annas in Godda, and 8 annas in Rajmahal. *Rabi* crop as far as sown is yet fair, but rain is urgently wanted. Price of common rice 16 seers in the Sudder subdivision. In Deoghur most tanks are reported dry, otherwise fodder and water-supply sufficient.

No.	District and date of return.	Rainfall at Sudder station in inches	Character of the weather and state and prospects of the crops.
	BEHAR—(concld.)		
	Patna Division.		
32	Patna Dec. 5, '91 Barh ... Behar ... Dinapore ...	Nil Nil Nil Nil	Weather—cool and clear. Harvesting of paddy and sowing of *rabi* and poppy almost completed. *Rabi* and poppy have germinated well and are being irrigated from wells and reservoirs. No distress reported from any quarter. Prices of food-grains almost stationary.
33	Gya „ 5, '91 Jehanabad ... Nawada ... Aurungabad ...	Nil Nil Nil Nil	Weather—cold and sometimes cloudy. Paddy is being harvested. Wheat and linseed are being injured by insects. Sugarcane is being crushed. Rain urgently wanted for *rabi* and poppy. Prices almost stationary. Supply of fodder and water for cattle yet sufficient.
34	Shahabad „ 5, '91 Buxar ... Sassaram ... Bhabua ...	Nil Nil Nil Nil	Cold weather has set in. Paddy harvest nearly over; general outturn will not exceed half an average crop. *Rabi* crops doing fairly well in spite of short rainfall. *Arhur* and mustard in flower. Poppy germinating. Sugarcane is being cut and pressed. Prices tend upwards.
35	Durbhunga „ 5, '91	Nil	Weather—cool and occasionally cloudy. Paddy being reaped. High land paddy mostly cut, but the yield is almost nil. *Rabi* suffering from want of moisture. Prices continue stationary. Fodder and water plentiful.
36	Mozufferpore „ 5, '91 Hajipore ... Sitamarhi ...	Nil Nil Nil	Weather—seasonable. Rice is being harvested everywhere. *Rabi* in low lands and where it is irrigated is doing fairly well, but if rain does not come soon the crop will be a bad one. Other standing crops doing well. Poppy sowings on unirrigated lands have mostly failed, but on irrigated tracts progressing very well. Prices stationary. Cattle in good condition. Fodder and water sufficient.
37	Sarun „ 5, '91	Nil	Weather—warm for the season. Paddy outturn 4 annas for the whole district. *Rabi* doing well. Poppy sowings continue. Fodder and water sufficient. Prices of common rice:— Srs. Sudder ... ... 13 } per rupee. Sewan ... ... 16½ } Gopalgunge ... ... 14½ }
38	Chumparun „ 5, '91	Nil	Weather—seasonable. Harvesting of *aghani* rice commenced in places. *Rabi* sowings still going on. Prospects fair. Supply of fodder and water sufficient. Poppy sowings almost completed; prospects said to be good, but in places seedlings have been destroyed by heat during the day, which has been greater than usual at this time.
	ORISSA.		
	Orissa Divn.		
39	Cuttack „ 5, '91	Nil	Weather—seasonable. *Laghu sarad* is being harvested. *Guru sarad* attaining maturity. Transplantation of tobacco going on. *Rabi* crops growing. A shower of rain wanted in parts of Banki for *rabi* crops. Common rice sells at 13 seers 2 chittacks per rupee. Cow-pox and rinderpest reported in parts. Otherwise condition of cattle good. Fodder-supply sufficient.
40	Pooree „ 3, '91 Khurda ... Banpur ...	Nil Nil Nil	Weather—cloudy and cool. *Laghu* being reaped and *sarad* ripening. Miscellaneous crops doing well. Common rice sells at from 14 to 19 seers per rupee. Cattle-disease reported from Bogunia, Khurda, and Banpur.
41	Balasore „ 5, '91	Nil	Weather—seasonable. Harvesting of winter rice continues. Prospect good. Rice selling at Balasore 13 seers and at Bhudrak 20 seers per rupee.
	CHOTA NAGPORE		
	South-West Frontier Agency.		
	Chota Nagpore Divn.		
42	Hazaribagh Dec. 5, '91 Giridih ...	Nil Nil	Weather—bright and clear. Harvesting of paddy nearly completed; estimated outturn 12 annas. Common rice selling at from 14 to 18 seers per rupee. Rain urgently wanted for *rabi* crops. Poppy doing fairly. Fodder and water-supply sufficient.
43	Lohardugga „ 5, '91 Palamow (up to 30th Nov.)	Nil Nil	Weather—getting cold. Harvesting of winter rice continues. Rain badly wanted for *rabi* crops. Price of common rice 15 seers per rupee. Ample fodder for cattle.
44	Singhbhoom „ 5, '91	Nil	Weather—clear; warm for the season. Harvesting of paddy continues with full outturn. Cold-weather crops doing well.
45	Manbhoom „ 5, '91 Govindpore ...	Nil Nil	Weather—seasonable. Prospects of crops continue good. Outturn of rice crop estimated at over 10 annas. Rice selling at from 15 to 21 seers per rupee. Fodder and water-supply still sufficient.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

CALCUTTA; REVENUE DEPT.,
The 8th December, 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPEE IN

Division	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare.) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
BENGAL.			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Burdwan Division.	1	Burdwan ...	11 4	11 8	12 8	...	...	...	12 0	12 0	12 12	15 0	15 8	16 11	...	...	...
	2	Bankoora ...	12 8	12 8	13 12	16 0	16 0	17 0	15 0	15 0	17 8	19 0	19 0	20 0	...	...	...
	3	Beerbhoom ...	11 4	12 0	16 8	...	...	...	13 8	13 8	13 8	15 0	15 0	18 0	...	...	...
	4	Midnapore ...	11 4	11 0	10 8	...	...	...	12 0	12 0	13 0	18 0	16 0	18 0	...	...	...
	5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	13 0	...	...	...
	6	Howrah ...	10 8	...	...	...	...	...	10 4	10 4	10 0	13 8	14 4	14 8	...	...	...
Presidency Division.		Calcutta ..	10 10	11 1	12 14	17 12	18 9	18 1	8 10	8 10	8 12	12 12	12 5	13 1	...	...	16 0
	7	24-Pergunnahs	10 8	11 0	13 0	20 0	20 0	17 0	8 0	8 0	8 0	15 0	15 0	15 0	...	...	...
	8	Nuddea ...	13 1	13 1	15 4	20 0	20 0	16 0	11 7	11 7	11 13¼	13 10	13 9	15 9¼	...	..	...
	9	Khoolna ...	...	...	...	...	...	...	13 0	12 8	12 8	14 8	14 0	14 0	...	...	...
	10	Jessore ...	12 0	11 8	12 8	...	...	...	11 8	11 12	11 8	16 0	14 8	14 8	...	...	...
	11	Moorshedabad	13 4	13 5	16 0	...	...	...	11 8	11 8	10 0	15 0	15 0	16 0	...	...	...
Chittagong Division.	12	Chittagong ...	10 0	10 0	11 0	...	...	...	11 0	11 0	11 0	15 0	15 0	15 14	...	...	...
	13	Noakholly ...	...	...	...	...	...	...	14 0	14 0	15 0	15 0	15 0	17 0	...	...	...
	14	Tipperah ...	10 0	10 0	8 0	...	...	...	·0 0	10 0	11 7	13 14	13 14	16 0	.	.	...
	15	Chittagong Hill Tracts.	...	...	...	...	...	...	11 6	10 10½	10 5	12 0	12 10¾	11 6¾	...	...	...
Dacca Division.	16	Dacca ..	11 0	10 8	12 0	19 0	18 0	14 0	12 12	13 0	14 0	14 8	15 0	15 0	...	...	...
	17	Furreedpore ...	16 0	16 0	16 0	16 0	13 0	25 0	11 9	11 0	12 0	17 0	17 0	14 0	...	...	...
	18	Backergunge ...	...	...	...	...	...	...	11 6	11 6	12 4	15 0	14 8	13 5	...	...	...
	19	Mymensingh ...	10 0	9 8	11 4	...	...	...	12 0	11 8	10 0	14 8	13 0	16 0	...	...	...
Rajshahye Division.	20	Dinagepore ...	12 0	10 10	14 11	17 0	17 0	20 0	11 0	11 0	14 4	12 0	12 0	18 0	...	...	...
	21	Rajshahye ...	12 0	12 0	15 12	26 4	19 6	24 0	10 8	9 12	12 12	12 12	13 8	16 2	...	...	...
	22	Rungpore	8 0	8 0	13 6	...	.	...	10 0	10 0	9 6	10 4	10 4	14 8	...	...	...

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11½ seers, and Raneegunge 10 seers.
B At Rampore Hât retail price of salt 10½ seers per rupee.
C In subdivisions retail prices of salt per rupee are :—Contai 10 seers, Ghatal 11 seers.
D In subdivisions retail prices of salt per rupee are :—Serampore (at Bhudessur) 12½ seers and Jehanabad 11 seers 7 chittacks.
E At Uluberia retail price of salt 10½ seers per rupee.
F In subdivisions retail prices of salt per rupee are :—Barasset 10 seers 10 chittacks, Bussirhat (at Baduria) 10½ seers, Diamond Harbour (at Magrahat) 10 seers 10 chittacks, Barrackpore 9 seers 2 chittacks, and Dum-Dum 10 seers.
G In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers Chooadanga 10 seers, and Ranaghat 10 seers
H Retail price of salt at Bagirhat 8 seers per rupee.
I In subdivisions retail prices of salt per rupee are :—Jhenida 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.

Head-quarters Station Bazars of the Districts of Bengal on the 30th November, 1891.

Indian-corn or Maize (*Zea Mays.*) — Present return.	Indian-corn — Next preceding return.	Indian-corn — Corresponding return of last year.	Arhar or Thur, Cadjan Pea (*Cajanus indicus.*) — Present return.	Arhar — Next preceding return.	Arhar — Corresponding return of last year.	Firewood — Present return.	Firewood — Next preceding return.	Firewood — Corresponding return of last year.	Salt — Present return.	Salt — Next preceding return.	Salt — Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt — Present return.	Wholesale Salt — Next preceding return.	Wholesale Salt — Corresponding return of last year.	Districts.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. a. p.	Rs. a. p.	Rs. a. p.	BENGAL.	
...	...	...	16 8	17 0	16 0	100 0	100 0	100 0	A 11 4	11 4	K 11-1-3	3 5 8	3 5 8	3 7 6	Burdwan.	Burdwan Division.
22 0	22 0	30 0	16 4	16 4	16 0	220 0	220 0	280 0	11 8	11 8	10 8	3 10 0	3 10 0	3 10 0	Bankoora.	
...	...	...	13 5	13 0	12 0	200 0	160 0	150 0	B 10 8	10 8	10 8	3 10 0	3 10 0	3 10 0	Beerbhoom.	
...	...	...	10 0	0 10	11 8	130 0	120 0	110 0	C 10 0	10 12	10 8	4 0 0	3 12 0	3 13 0	Midnapore.	
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	D 10 0	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.	
...	...	..	12 0	10 12	11 4	100 0	100 0	100 0	E 10 8	10 8	10 8	3 6 0	3 6 0	3 8 0	Howrah.	
16 8	16 14	16 14	14 12	14 11	14 9	95 0	95 0	90 0	11 4	11 0	10 12	3 4 7	3 5 9	3 6 5	Calcutta.	Presidency Division.
.	...	...	15 0	15 0	14 8	100 0	100 0	100 0	F 11 0	11 0	10 12	3 4 0	3 4 0	3 6 6	24-Pergunnahs.	
...	..	..	16 0	16 0	16 0	...	...	...	G 11 0	11 0	9 13	3 10 0	3 9 0	3 12 0	Nuddea.	
...	.	...	...	...	..	160 0	160 0	160 0	H 9 8	9 8	8 0	4 0 0	4 0 0	4 0 0	Khoolna.	
...	...	...	15 0	16 0	16 0	160 0	160 0	160 0	I 9 2	9 2	9 2	3 12 0	3 12 0	4 0 0	Jessore.	
...	...	...	16 0	16 0	16 0	200 0	200 0	200 0	J 11 8	11 8	11 0	3 8 0	3 8 0	3 10 0	Moorshedabad.	
...	...	...	...	...	...	110 0	110 0	110 0	K 10 8	10 8	10 0	3 8 0	3 8 0	3 14 0	Chittagong.	Chittagong Division.
...	...	.	8 0	8 0	8 0	...	...	..	L 8 0	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakholly.	
..	...	...	6 0	6 4	10 0	...	...	...	M 10 0	10 0	10 0	3 14 0	3 14 0	4 0 0	Tipperah.	
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.	
...	...	...	14 0	13 0	16 0	120 0	120 0	120 0	N 10 0	10 0	9 12	3 12 0	3 12 0	4 0 0	Dacca.	Dacca Division.
...	...	...	...	10 0	13 0	...	...	80 0	O 10 0	. .	10 0	3 12 0	3 12 0	4 0 0	Furreedpore.	
...	..	...	Khesari, husked. 15 0	14 8	12 12	100 0	100 0	120 0	P 10 0	10 0	9 0	3 10 0	3 10 0	3 12 0	Backergunge.	
...	...	...	10 0	10 0	10 0	...	...	.	Q 10 0	10 0	10 0	3 14 0	3 14 0	4 0 0	Mymensingh.	
...	...	...	16 0	13 0	16 4	160 0	160 0	160 0	R 10 4	10 4	10 0	3 14 0	3 14 0	4 0 0	Dinagepore.	Rajshahye Division.
...	...	...	16 11	17 8	17 8	240 0	240 0	240 0	S 9 9	9 9	9 9	3 10 8	3 10 8	3 13 4	Rajshahye.	
...	...	...	13 5	13 5	10 10	100 0	100 0	100 0	T 9 4	9 4	9 6	4 6 0	4 6 0	4 4 0	Rungpore.	

J In subdivisions retail prices of salt per rupee are :—Lalbagh 11 seers, Kandi 10½ seers, and Jungipore 11 seers.
K Retail price of salt at Cox's Bazar 8 seers per rupee.
L Retail price of salt at Feni 9 seers per rupee.
M In subdivisions retail prices of salt per rupee are :—Brahmanberia 10 seers and Chandpore 9 seers.
N In subdivisions retail prices of salt per rupee are :—Munshigunge 10 seers, Naraingunge 10¼ seers.
O In subdivisions retail prices of salt per rupee are :—Madaripore 11¼ seers and Goalundo 10 seers.
P In subdivisions retail prices of salt per rupee are :—Perozepore 9 seers, Patuakhali 9 seers, and Bhola 8 seers.
Q In subdivisions retail prices of salt per rupee are :—Kishoregunge 9 seers, Tangail 10 seers, Jamalpore 9½ seers, Sherpore 3 seers, and Netrokona 8 seers.
R At Thakurgaon retail price of salt 8 seers per rupee.
S In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
T In subdivisions retail prices of salt per rupee are :—Kurigram 8 seers, Gaibanda 9 seers 8 chittacks, and Nilphamari 10 seers.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare). Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
	QUANTITIES PER RUPEE IN															
	BENGAL—*continued.*	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. C.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
	Rajshahye Division—contd.															
23	Bogra ...	11 8	12 0	15 0	...	...	...	12 0	12 0	13 8	New. 15 12 / Old. 14 4	14 4	18 0 / 16 8	..	...	—
24	Pubna	13 8	13 8	18 0	..		..	7 8	7 8	7 0	15 0	15 0	15 12	..	...	...
25	Darjeeling	9 0	8 0	8 0	10 0	9 0	10 0	5 0	5 0	5 0	11 0	11 0	15 0	..	...	—
26	Julpigoree	11 0	11 0	13 0	16 0	16 0	16 0	6 0	6 0	8 0	11 0	11 0	16 0	.	...	—
	BEHAR.															
	Bhagulpore Division.															
27	Monghyr ...	13 8	13 8	16 12	20 0	20 8	17 13	1 8	10 8	12 0	13 0	13 0	14 11	..	...	...
28	Bhagulpore ...	13 14	13 14	16 6	21 7	22 11	20 3	11 6	11 6	Old 12 10 / New 16 6	13 4	13 4	Old 15 2 / New 19 4	..	...	—
29	Purneah ...	11 0	11 0	16 0	16 0	12 0		10 0	10 0	16 0	11 0	11 0	18 0	...	...	—
30	Maldah ...	12 12	12 0	15 8	...	...	...	10 0	10 0	11 0	13 8	11 8	16 0	...	...	—
31	Sonthal Perghs.	11 0	11 0	14 0	.	.		13 0	13 0	13 0	16 0	15 0	21 0	...	.	—
	Patna Division.															
32	Patna ..	13 4 / 13 8	Red. 15 0 / White. 13 8	17 8 / 15 8	26 0	24 0	19 8	11 8	11 8	11 0	17 0	18 0	18 0	...	...	—
33	Gya ...	12 8	12 8	15 8	24 0	24 0	20 0	10 8	10 8	10 0	14 12	13 8	18 0	...	...	...
34	Shahabad ...	13 8	13 4	15 8	22 0	20 0	13 0	9 0	9 0	9 0	15 0	14 8	16 8	...	...	...
35	Durbhunga ..	14 4	13 0	13 3	22 0	22 0	17 9	11 12	11 0	13 3	13 0	13 0	18 0	...	...	...
36	Mozufferpore	13 0	14 0	17 0	25 0	18 0	18 0	11 0	11 0	10 0	12 0	1 0	17 0	...	...	—
37	Sarun ..	13 0	13 8	14 8	23 8	23 8	16 4	9 4	8 8	8 8	13 4	13 3	14 12	...	...	—
38	Chumparun ...	14 0	14 0	18 0	21 0	21 0	22 0	10 0	10 0		Old 12 0 / New 17 0	13 0 / 17 0	18 0	.	...	...
	ORISSA.															
	Orissa Division.															
39	Cuttack ...	7 14	10 8	11 13	...	...	...	10 8	10 8	10 8	13 2	14 7	21 0	...	..	—
40	Pooree ..	9 7	9 7	14 7	...	...	..	10 8	10 8	14 7	15 12	15 12	21 0	.	...	—
41	Balasore ...	12 0	12 0	15 0	10 0	10 0	13 0	13 0	13 0	13 0	19 0	19 0	22 0	.	..	—
	CHOTA NAGPORE.															
	Chota Nagpore Division.															
42	Hazaribagh ...	12 0	13 0	14 0	16 0	17 0	15 0	8 0	8 0	10 0	15 8	15 0	20 0	...	...	...
43	Lohardugga ...	10 0 / 7 4	Red 11 8 / White 7 8	14 0 / 7 12	14 8	15 0	...	13 8	11 8	Old 11 0 / New 17 0	Ordinary. 16 0 / Coarse. 16 8	15 8 / 17 0	21 0 / 21 12	...	—	...
44	Singbhoom ...	14 0	15 0	16 0	16 0	20 0	20 0	14 0	11 0	14 0	18 0	20 0	20 0	.	[illegible]	[illegible]
45	Manbhoom	11 4	11 4	13 5	...	...	23 0	18 0	13 0	13 0	19 8	20 0	23 0	...	...	...

U At Serajgunge retail price of salt 12 seers per rupee.
V Retail price of salt at Kurseong 8 seers per rupee.
W In Alipore subdivision (at Faliacotta) retail price of salt 8½ seers per rupee.
X In subdivisions retail prices of salt per rupee are:—Begusarai 9½ seers and Jamui 10 seers.
Y In subdivisions retail prices of salt per rupee are:—Kishengunge 8 seers and Arrareah 10 seers.
Z In subdivisions retail prices of salt per rupee are:—Deoghur 10 seers, Jamtara 10 seers, Godda 9 seers, Pakour 10½ seers, and Rajmehal 11½ seers.
a In subdivisions retail prices of salt per rupee are:—Sasseram 10½ seers, Buxar 10½ seers, and Bhabuah 10 seers.

CALCUTTA,
The 7th December, 1891.

Station Bazars of the Districts of Bengal on the 30*th November*, 1891—(concluded).

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur, Cadjan Pea (*Cajanus Indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.	Division
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
															BENGAL—*continued.*	
...	...	...	...	...	...	90 0	90 0	90 0	9 9	9 9	9 0	3 14 8	3 14 8	4 0 0	Bogra.	Rajshahye Division—*contd.*
...	...	...	...	16 8	17 4	200 0	200 0	200 0	U 8 15	8 15	8 15	3 12 0	3 12 0	3 14 0	Pubna.	Rajshahye Division—*contd.*
16 0	16 0	22 0	...	10 0	10 0	120 0	120 0	120 0	V 8 0	8 0	8 0	5 0 0	5 0 0	5 0 0	Darjeeling.	Rajshahye Division—*contd.*
...	...	...	8 0	8 0	12 0	200 0	200 0	200 0	W 10 0	10 0	10 0	4 0 0	4 0 0	4 0 0	Julpigoree.	Rajshahye Division—*contd.*
															BEHAR.	
21 0	..	21 0	16 0	16 0	16 12	140 0	140 0	168 0	X 10 8	10 8	10 8	3 12 0	3 12 0	3 10 6	Monghyr.	Bhagulpore Division.
20 3	21 7	21 7	16 6	16 6	17 11	164 0	151 8	151 8	10 11	10 11	10 8	3 12 0	3 12 0	3 11 0	Bhagulpore.	Bhagulpore Division.
16 0	16 0	...	13 8	13 0	14 0	84 0	80 0	131 0	Y 10 0	10 0	9 0	4 0 0	3 10 3	4 7 0	Purneah.	Bhagulpore Division.
...	...	...	...	.	.	120 0	110 0	120 0	9 8	9 8	9 0	3 12 0	3 14 0	4 0 0	Maldah.	Bhagulpore Division.
24 0	25 0	24 0	16 0	16 0	20 0	200 0	200 0	200 0	Z 9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	Sonthal Pergns.	Bhagulpore Division.
24 8	24 0	19 8	19 0	19 0	16 8	120 0	120 0	120 0	11 8	11 8	9 8	3 8 0	3 8 0	3 9 6	Patna.	Patna Division.
...	...	...	15 4	15 4	17 8	140 0	110 0	160 0	10 0	10 0	10 0	3 14 0	3 14 0	4 2 0	Gya.	Patna Division.
21 8	21 8	...	15 0	16 0	18 0	120 0	120 0	160 0	a 10 8	10 0	10 0	3 13 0	4 0 0	3 15 0	Shahabad.	Patna Division.
20 8	20 8	20 14	16 8	15 6	17 0	165 0	160 0	160 0	b 11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.	Patna Division.
22 0	20 0	19 0	14 0	15 0	17 0	160 0	160 0	160 0	c 11 0	11 0	10 8	3 10 0	3 10 2	3 12 0	Mozufferpore.	Patna Division.
23 4	23 0	18 0	16 12	17 0	16 8	160 0	180 0	180 0	d 10 8	10 8	10 4	3 12 0	3 12 0	3 11 6	Sarun.	Patna Division.
22 0	22 0	22 0	15 0	15 0	17 0	160 0	160 0	160 0	e 10 0	10 8	10 0	3 13 0	3 10 0	3 13 0	Chumparun.	Patna Division.
															ORISSA	
...	...	...	17 11	17 1	18 6	80 0	80 0	80 0	f 11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.	Orissa Division.
...	...		13 2	13 2	17 12	80 0	80 0	80 0	g 11 13	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.	Orissa Division.
...	...	..	...	...	...	160 0	160 0	160 0	10 8	10 8	10 0	3 12 0	3 12 0	3 14 0	Balasore.	Orissa Division.
															CHOTA NAGPORE	
24 0	24 0	25 0	17 0	17 0	20 0	210 0	240 0	240 0	h 10 0	9 0	8 0	3 12 0	3 14 0	4 2 0	Hazaribagh.	Chota Nagpore Division.
22 0	25 0	28 8	Big. 12 0; Small. 18 & 19 0	Big. 12 0; Small. 19 0	24 0	160 0	150 0	140 0	9 12	9 12	9 0	3 15 0	4 0 0	4 2 0	Lohardugga.	Chota Nagpore Division.
[illegible]	[illegible]	32 0	16 0	16 0	24 0	160 0	200 0	240 0	9 0	9 0	8 0	4 4 0	4 4 0	5 0 0	Singbhoom.	Chota Nagpore Division.
...	...	26 0	...	16 0	16 0	200 0	200 0	200 0	i 10 10	10 10	10 0	3 10 0	3 10 0	3 14 0	Manbhoom.	Chota Nagpore Division.

b In subdivisions retail prices of salt per rupee are—Madhubani 11 seers and Somastipore 11 seers.
c In subdivisions retail prices of salt per rupee are:—Hajipore 10¼ seers and Sitamarhi 10 seers.
d In subdivisions retail prices of salt per rupee are—Sewan 11 seers and Gopalgunge 11 seers 5 chittacks.
e At Bettiah retail price of salt 9¾ seers per rupee.
f In subdivisions retail prices of salt per rupee are:—Jajpore 8 seers, Kendrapara 9 seers, and Banki 12 seers.
g Retail price of salt at Khurda 11 seers, Balianta 10 seers, and Ralkati 10½ seers per rupee.
h At Bhuddruck retail price of salt 9 seers per rupee.
i At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

C. E. BUCKLAND.
Offg. Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 6 1	3 5 6	2 13 4	1 15 7	1 14 3	1 15 3	4 5 10	4 5 10	4 4 9	2 14 5	2 15 4	2 12 10
2	Serajgunge	3 0 0	3 2 0	1 12 0	...	...	...	4 12 0	5 0 0	4 10 0	3 0 0	3 4 0	5 4 0
3	Dacca ...	3 8 0	3 10 0	3 4 0	2 0 0	2 2 0	2 12 0	3 2 0	3 0 0	2 12 0	2 11 0	2 11 0	2 10 0
4	Naraingunge	...	...	...	...	...	...	2 14 0	2 10 0	3 0 0	2 8 0	2 6 0	2 12 0
5	Chittagong	4 0 0	4 0 0	3 8 0	...	...	...	3 8 0	3 8 0	3 8 0	2 10 0	2 10 0	2 8 0
6	Patna ..	2 7 6 2 15 3	Red. 2 10 8 White. 2 15 3	2 4 0 2 8 0	1 8 6	1 10 6	2 0 0	3 8 0	3 8 0	3 8 0	2 5 6	2 3 6	2 2 6
7	Balasore ...	3 4 0	3 4 0	2 8 0	3 12 0	3 12 0	3 0 0	3 0 0	3 0 0	3 0 0	2 1 0	2 1 0	1 13 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	2 8 6	2 8 6	1 14 3
9	Cuttack ...	5 0 0	3 12 0	3 4 0	...	...	...	3 10 0	3 10 0	3 10 0	3 0 0	2 12 0	1 11 0

CALCUTTA,
The 7th December, 1891.

in the undermentioned Marts of Bengal on the 30th November, 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 3 6	2 2 10	2 2 3	2 2 9	2 1 11	2 1 9	2 7 5	2 7 7	2 7 8	0 5 9	0 5 9	0 5 9	3 4 7	3 5 9	3 6 5	Calcutta.
2 12 0	2 12 0	2 9 0	...	...	...	...	...	...	0 6 6	0 7 0	0 7 0	3 5 0	3 8 0	3 14 0	Serajgunge.
2 6 0	2 8 0	2 8 0	...	...	...	2 12 0	3 0 0	2 8 0	0 5 0	0 5 0	0 5 0	3 12 0	3 12 0	4 0 0	Dacca.
3 8 0	3 8 0	3 4 0	...	...	...	3 8 0	3 8 0	3 4 0	0 8 0	0 8 0	0 8 0	3 8 0	3 12 0	3 11 0	Naraingunge.
3 4 0	3 4 0	3 0 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 8 0	3 8 0	3 14 0	Chittagong.
1 13 0	1 13 0	2 0 0	1 10 0	1 10 6	2 0 0	2 1 6	2 1 6	2 6 0	0 5 4	0 5 4	0 5 0	3 8 0	3 8 0	3 9 6	Patna.
2 12 0	2 12 0	2 12 0	...	...	...	...	...	...	0 4 6	0 4 6	0 4 6	3 12 0	3 12 0	3 14 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 6 0	3 6 0	3 12 0	Pooree.
2 13 0	(Kalai.) 2 14 0	2 10 0	...	...	...	2 4 0	2 4 0	2 2 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Cuttack.

Published for general information.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

Names of Marts	Stock in hand as compiled on— 1st week of Dec. 1890.	1st week of Jan. 1891.	1st week of Feb. 1891.	1st week of March 1891.	1st week of April 1891.	1st week of May 1891.	1st week of June 1891.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	3,14,000	2,80,500	4,08,000	7,21,000	10,86,500	13,19,000	9,74,000
Ooltadanga	64,200	54,000	57,200	65,200	55,900	63,100	59 600
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghat.	5,70,250	5,29,650	5,40,400	6,00,800	5,67,200	5,17,400	4,92,400
Pathuriaghatta, Posta, and Jorabagan.	5,000	3,000	4,000	5,000	4,200	3,000	2 000
Tallygunge, Chitlah, Kidderpore, and Moochikhunge.	96,650	1,04,600	1,25,200	1,34,400	1,16,300	1,25,200	1,14,900
21 Minor bazars (estimated) ...	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswar, and Chandernagore.	35,750	34,375	33,000	24,438	43,462	41,125	30,750
Total ...	15,75,850	14,96 125	16,57,800	20,40,538	23,63,562	25,58,825	21,53,550
On Railway premises on both sides of the river.	23 576 (on 3rd Dec. 1890.)	24,703 (on 3rd Jan. 1891.)	36,850 (on 3rd Feb. 1891.)	36,618 (on 3rd March 1891.)	28,642 (on 3rd April 1891.)	8,221 (on 3rd May 1891.)	5,928 (on 3rd June 1891.)
On boats unloaded ... By Port Commissioners' returns.	34,878 (1st to 3rd Dec. 1890.)	58,096 (1st to 3rd Jan. 1891.)	82,605 (1st to 3rd Feb. 1891.)	65,914 (1st to 3rd March 1891.)	44,862 (1st to 3rd April 1891.)	35,578 (1st to 4th May 1891.)	17,251 (1st to 3rd June 1891.)
By Canal returns	25,941 (1st to 3rd Dec. 1890.)	77,228 (1st to 3rd Jan. 1891.)	1,71,337 (1st to 3rd Feb. 1891.)	1,08,494 (1st to 3rd March 1891.)	1,51,412 (1st to 3rd April 1891.)	13,099 (1st to 4th May 1891.)	25,741 (1st to 3rd June 1891.)
Grand total of Stocks ...	16,60,245	16,56,152	19,48,592	22,51,864	25,88,478	26,15,723	22,02,470
Probable stock available for exportation by sea.	6 lakhs	6 lakhs	9 lakhs	12 lakhs	15¾ lakhs	15½ lakhs	11½ lakhs

Names of Marts	1st week of July 1891.	1st week of August 1891.	1st week of Sept. 1891.	1st week of Oct. 1891.	1st week of Nov. 1891.	1st week of Dec. 1891.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Baliaghatta	7,19 000	4,52,000	4,58,500	4,26,700	4,45,000	4,01,000
Ooltadanga	61,100	65,800	72,100	66,200	65,000	61,100
Chitpore, Golabaree, Coomertooly, Hatkhola, and Culpy Ghat.	4,68,400	4,87,200	5,06,700	5,26,000	5,04,600	4,74,300
Pathuriaghatta, Posta, and Jorabagan.	3,700	3,000	2,300	3,000	4,000	3,000
Tallygunge, Chitlah, Kidderpore, and Moochikhunge.	1,06,900	98,900	0,450	85 750	91,200	82 100
21 Minor bazars (estimated) ...	2,40,000	2,40,000	2 40,000	2,40,000	2,40,000	2,40,000
Other retail shops, 3,129 in number (estimated).	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000	2,50,000
Boidyabatty, Nowabgunge, Bhuddreswar, and Chandernagore.	32,750	32,250	38,051	32,250	33,125	25,062
Total ...	18,81,850	16,29,150	16,58,301	16,29,900	16,37,925	15,36,562
On Railway premises on both sides of the river.	17,767 (on 3rd July 1891.)	10,179 (on 3rd August 1891.)	17,473 (on 3rd Sept. 1891.)	41,511 (on 3rd Oct. 1891.)	13,019 (on 3rd Nov. 1891.)	21,740 (on 3rd Dec 1891.)
On boats unloaded ... By Port Commissioners' returns.	28,097 (1st to 3rd July 1891.)	17,174 (1st to 3rd August 1891.)	57,776 (1st to 3rd Sept. 1891.)	41,755 (1st to 3rd Oct. 1891.)	33,595 (3rd to 5th Nov. 1891.)	53,688 (1st to 3rd Dec. 1891.)
By Canal returns	41,597 (1st to 3rd July 1891.)	24,697 (1st to 3rd August 1891.)	79,813 (1st to 3rd Sept. 1891.)	80,950 (1st to 3rd Oct. 1891.)	28,531 (3rd to 5th Nov. 1891.)	34,490 (1st to 3rd Dec. 1891.)
Grand total of Stocks ...	19,69,311	16,81,200	18,13,363	17,94,116	17,13,070	16,46,480
Probable stock available for exportation by sea.	9½ lakhs	6½ lakhs	7½ lakhs	7½ lakhs	6½ lakhs	6 lakhs

STATISTICAL DEPARTMENT,
The 7th December, 1891.

C. E. BUCKLAND,
Offg. Secy. to the Govt. of Bengal.

Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of November 1891.

	Inches.	Date.	Hour.
The mean pressure of the month	29·934		
The average pressure of November from 24 years' registers ...	29·970		
The highest pressure in the month	30·148	30th	10
The lowest pressure in the month	29·707	6th	6
The range of pressure	0·441		
	Hours.		
The total number of hours of bright sunshine during the month	242·0		
The maximum possible number of hours of sunshine ...	330·8		
	ϴ		
The mean temperature of the month	73·6		
The average temperature of November from 24 years' registers	74·8		
The highest temperature in the month	86·8	2nd & 3rd	
The lowest temperature in the month	60·1	20th	
The range of temperature during the month	26·7		
The mean daily range of temperature	17·7		
The greatest range of temperature in one day	22·6	20th	
	Per cent.		
The mean humidity of the month	75		
The average humidity of November from 24 years' registers ...	72		
	Inches.		
The mean vapour tension of the month	0·615		
The average vapour tension of November from 9 years' registers	0·616		
The mean cloud proportion of the month	2·18		
The average cloud proportion of November from 14 years' registers	2·61		
The total rainfall of the month	0·51		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	0·50		
The average fall of November from 48 years' registers ...	0·65		
The greatest fall in 24 hours	0·49	6th	
	Days.		
The number of rainy days in the month	3		
The average number of rainy days in November from 24 years' registers	2		
	ϴ		
The mean maximum equilibrium temperature of solar radiation during the month	136·6		
The mean difference of sun and air temperatures	53·6		
The greatest sun temperature	146·5	27th	
The greatest excess of sun over air temperature	63·4	27th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth	59·4		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground	6·0		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature	8·5	2nd	
	Miles.		
The mean movement of the wind per day	81·9		
The greatest movement of the wind in one day	289·0	6th	
The greatest movement of the wind in one hour	19·0	6th, 11 to noon.	

The number of hours with winds from each of the 8 points—

N. 296, N.E. 149, E. 70, S.E. 13, S. 14, S.W. 21, W. 10, N.W. 103, Calm 44.

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park Street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore ·003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 1·6° lower; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0·6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
Calcutta, the 7th December 1891.

Meteorological Report of the Province of

Meteorological Division.	District.	Representative stations.	Station Observations. Air Pressure. Highest, 8 A.M., barometer reading of month.	Lowest, 8 A.M., barometer reading of month.	Mean, 8 A.M., for month.	Mean reduced to sea-level & to Lat 45°.	Variation from normal mean.	Temperature. Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Humidity. Mean, 8 A.M., humidity.	Variation from normal mean.	Cloud. Mean cloud amount, 8 A.M.	Variation from normal mean, 8 A.M.	Rainfall.
Orissa.	Pooree	Pooree†	30·105	29·783	29·978	29·927	—	89·2	64·6	85·4	68·3	76·9	—	76*	—	2·3	—	0·15
		Gopalpore	30·107	29·624	29·963	29·929	0	87·7	60·0	84·2	65·2	73·8	+0·1	75	—	1·2	—	2·94
		False Point	30·107	29·608	29·965	29·928	—·029	86·4‖	63·0‖	80·6‖	67·7‖	74·0§	+0·1	83	+2	3·6	+1·1	11·10
	Cuttack	Cuttack	30·050	29·545	29·915	29·940	—·017	88·4	60·8	85·0	65·6	75·3	—0·4	73	0	2·0	—0·3	4·69
	Balasore	Balasore	30·055	29·741	29·943	29·947	—·022	87·4	58·6	83·8	63·3	73·6	+1·3	81	—	1·5	—	2·16
South-West Bengal.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island	30·104	29·679	29·963	29·933	—·025	87·2	63·0	82·3	67·0	74·7	+1·9	87	+4	4·0	+0·8	4·29
	Midnapore	Midnapore	29·997	29·662	29·853	29·953	—·024	88·3	59·2	84·9	64·0	74·5	+2·3	73	—	1·9	—	0·18
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta	30·131	29·754	29·983	29·950	—·015	88·6	60·2	83·0	65·2	74·2	+1·0	79	0	2·0	—0·6	0·51
	Burdwan	Burdwan	30·058	29·753	29·926	29·974	—·002	89·6	60·4	84·8	64·2	74·5	+1·1	68	—6	2·5	0	0·25
	Bankoora	Bankoora	29·822	29·533	29·687	29·918	—·019	85·8	59·0	83·9	63·5	73·7	0	74	—	1·7	—	0·69
	West Burdwan, Beerbhoom	Raniguuge	29·806	29·537	29·678‡	29·985‡	—·008?	95·0	57·9	84·8	62·7	73·7	+1·4	74	—	1·3	—	0·28
	Moorshedabad	Berhampore	30·052	29·812	29·947	29·964	—·014	88·1	61·2	82·8	65·2	74·0	+1·1	88	+10	2·4	+0·2	1·06
	Nuddea	Krishnagore	30·098	29·797	29·958	29·955	·007	89·3	58·4	84·4	63·9	74·2	+1·3	80	—	2·2	—	1·30
	Jessore and Khoolna	Jessore	30·107	29·803	29·957	29·948	—·010	83·7	60·0	85·8	65·0	74·4	—0·9	85	+6	2·9	+0·2	1·37
East Bengal.	Chittagong	Chittagong	30·043	29·784	29·931	29·938	—·066	90·7‖	63·1‖	85·0‖	67·0‖	76·0‖	+1·3	80	+1	4·6	+1·3	1·00
	Chittagong Hill Tracts	Demagri				Observations not received.												
	Backergunge	Barrisal	30·118	29·827	29·975	29·933	+·007	87·8	61·6	83·4	66·6	75·0	+1·7	82	—	2·0	—	2·06
	Noakholly	Noakholly	30·097	29·833	29·949	29·910	+·009	89·5	60·0	84·2	65·5	74·9	+1·4	85	—	0·5	—	0·86
	Furreedpore	Furreedpore	30·101	29·839	29·939	29·957	+·011	89·0	60·0	85·0	65·6	74·3	+2·1	86	—	2·0	—	1·13
	Dacca	Dacca	30·195	29·847	29·971	29·914	—·004	90·6	61·8	84·8	65·6	75·2	+0·5	85	—5	3·1	+1·0	1·79
	Commillah	Commillah	30·101	29·856	29·966	29·950	+·011	88·4	59·9	84·1	63·8	75·0	+1·4	85	—	2·5	—	4·62
	Mymensingh	Mymensingh	30·092	29·341	29·95	29·963	—·013	87·2	57·2	82·7	61·2	73·5	+0·5	88	—	2·3	—	2·38
North Bengal.	Bogra	Bogra ‡	29·938	29·536	29·912	29·927	+·091	88·3	59·2	83·1	63·1	73·1	+0·9	86	—	1·0	—	3·60
	Pubna	Serajgunge	30·053	29·814	29·955	29·952	—·008	87·6	56·9	83·2	62·8	73·0	+1·2	91	—	2·3	—	1·06
	Rajshahye	Rampore Beauleah.	30·068	29·846	29·957	29·958	+·002	87·3	58·9	82·2	63·4	72·8	+2·7	84	—	1·4	—	0·92
	Maldah	Maldah	30·095	29·836	29·943	29·978	—	88·8	56·2	84·9	60·9	72·9	—	81	—	0·7	—	0·26
	Dinagepore	Dinagepore	30·051	29·807	29·89	29·974	—·067	87·1	54·9	84·3	59·9	72·1	+1·2	78	—	1·0	—	0·05
	Rungpore	Rungpore	30·045	29·801	29·909	29·991	+·010	86·8	55·8	83·1	60·0	72·1	+1·5	80	—	0·4	—	Nil
	Julpigoree and Cooch Behar.	Julpigoree	29·869	29·636	29·742	29·990	+·013	86·4	55·1	82·7	58·8	70·8	+0·4	80	—	0·2	—	Nil
	Darjeeling Hill Tracts	Darjeeling	23·173	22·962	23·068	—	+·012	63·1	39·5	56·9	43·7	50·3	+2·4	65	—4	2·4	—0·7	0·01
North Behar.	Purneah and North Bhagulpore.	Purneah	30·023	29·706	29·905	29·990	+·005	86·2	40·3	84·3	55·9	70·1	—0·3	86	+6	0·7	—0·2	Nil
	Mozufferpore	Mozufferpore				Observations incomplete.												
	Durbhunga	Durbhunga	30·014	29·773	29·875	30·014	+·005	86·9	55·6	84·0	60·0	72·0	+0·6	80	+4	0·4	—0·4	Nil
	Chumparun	Motihari	29·925	29·680	29·796	29·987	+·008	87·2	47·9	84·2	55·1	69·6	+1·3	84	—	0·3	—	Nil
	Sarun	Chupra	29·988	29·749	29·851	29·993	+·026	87·8	55·1	84·7	59·7	72·2	+2·2	81	—	0·6	—	Nil
South Behar.	Shahabad	Dehree	29·833	29·574	29·695	30·013	+·012	87·3	54·5	84·3	59·5	71·9	+2·5	69	—	0·6	—	Nil
		Buxar	29·941	29·691	29·801	30·004	0	87·4	53·9	84·6	60·1	72·3	+1·9	67	—	1·1	—	Nil
		Arrah	29·974	29·742	29·844	29·995	+·013	88·4‖	50·3	85·5‖	63·0	74·2‖	+4·4	78	—	0·1	—	Nil
	Gya	Gya	29·801	29·559	29·664	30·008	+·006	86·9	56·8	84·0	61·1	72·6	+1·9	70	+7	2·2	+0·4	Nil
	Patna	Bankipore	29·995	29·753	29·869	30·002	—·007	87·0	55·6	83·8	61·9	72·8	+2·2	68	—1	1·4	—0·1	Nil
	South Bhagulpore and Monghyr.	Bhagulpore	30·001	29·757	29·865	29·983	+·002	86·7	53·0	84·1	60·7	72·4	+2·8	77	—	1·3	—	0·01
	Sonthal Pergunnahs	Naya Doomka	29·641	29·400	29·517	29·982	+·006	88·1	57·5	83·5	61·9	72·7	+2·7	72	—	0·9	—	0·36
Chota Nagpore.	Hazaribagh	Hazaribagh	28·106	27·874	27·957	29·958	—·003	82·7	52·9	78·7	59·0	68·9	+2·0	63	+4	2·1	—0·3	0·15
	Lohardugga, Manbhoom	Ranchee	27·964	27·737	27·854	29·972	—·005	81·0	54·5	77·4	57·8	67·6	+1·7	72	—	2·3	—	0·17
	Singbhoom	Chyebassa	29·334	29·066	29·231	29·900	—·001	85·5	55·8	82·8	61·0	71·9	+1·0	75	—	[illegible]	—	0·55
Assam	Sibsagar	Sibsagar‖	29·824	29·597	29·710	30·013	—·012	82·1	53·4	78·6	59·2	68·9	—0·2	90	+4	6·1	+1·6	1·10
	Goalpara	Dhubri	30·055	29·786	29·913	29·987	—·004	85·2	58·7	80·5	62·8	71·7	—0·1	86	0	2·1	+1·0	0·07
	Cachar	Silchar	30·073	29·785	29·907	29·965	+·005	92·3	57·4	86·7	62·5	74·8	+0·6	83	—1	3·9	+0·1	2·08

* Mean of 24 days. | † Mean of 25 days. | ‡ Mean of 26 days. | § Mean of 28 days. | ‖ Mean of 29 days.

Bengal for the month of November 1891.

DISTRICT OBSERVATIONS.												
RAINFALL.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
Of month.					Since 16th October 1891.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
8·06	2·34	+5·72	2·50	2·83	8·34	5·97	+2·37	3·00	6·18	Pooree ... Gopalpore ... False Point ...	Pooree	ORISSA.
7·57	1·15	+6·42	2·00	2·14	7·69	3·70	+3·99	2·80	4·88	Cuttack ...	Cuttack	
3·94	0·89	+3·05	2·67	1·05	3·09	2·60	+1·39	3·17	3·84	Balasore ...	Balasore	
2·49	0·61	+1·88	1·33	1·35	2·54	4·33	−1·79	1·66	4·03	Saugor Island ..	South-West Midnapore and South 24-Pergunnahs.	SOUTH-WEST BENGAL.
0·26	0·22	+0·04	1·00	0·80	0·28	1·78	−1·50	1·00	2·26	Midnapore ...	Midnapore	
0·41	0·31	+0·10	1·10	0·94	0·46	1·93	−1·47	1·40	2·75	Calcutta ...	24-Pergunnahs, Howrah, and Hooghly.	
0·52	0·31	+0·21	1·33	0·68	0·53	1·97	−1·44	1·33	2·30	Burdwan ...	Burdwan	
0·51	0·47	+0·04	1·75	0·90	0·56	1·81	−1·25	2·00	2·54	Bankoora ...	Bankoora	
1·14	0·14	+1·00	1·25	0·76	1·35	1·42	−0·07	2·00	2·29	Ranigunge ...	West Burdwan and Beerbhoom.	
1·23	0·24	+0·99	1·50	0·59	1·34	1·55	−0·21	1·83	1·86	Berhampore ...	Moorshedabad	
0·67	0·32	+0·35	1·00	0·74	0·74	1·86	−1·12	1·20	2·50	Krishnagore ...	Nuddea	
1·78	0·38	+1·40	2·50	1·06	1·84	2·25	−0·41	2·02	3·06	Jessore ...	Jessore and Khoolna ...	
1·30	2·14	−0·84	3·50	2·03	2·81	4·63	−1·82	5·00	4·56	Chittagong ...	Chittagong	EAST BENGAL.
2·16	1·95	+0·21	6·00	1·85	3·33	4·03	−0·70	7·00	4·55	Domagri ...	Chittagong Hill Tracts	
1·22	1·42	−0·20	2·50	1·43	1·34	3·30	−1·96	3·00	3·64	Barrisal ...	Backergunge	
1·14	2·52	−1·38	2·00	1·92	2·40	4·31	−1·91	3·50	4·20	Noakholly ...	Noakholly	
1·89	0·39	+1·50	2·00	0·98	1·94	2·04	−0·10	2·33	3·01	Furreedpore ...	Furreedpore	
2·45	0·77	+1·68	2·75	1·37	2·47	2·47	0	2·75	3·25	Dacca ...	Dacca	
4·32	0·73	+3·59	2·75	1·54	5·67	2·34	+3·33	3·75	3·43	Commillah ...	Tipperah	
1·65	0·31	+1·34	2·20	0·76	1·91	2·21	−0·30	2·00	2·71	Mymensingh ...	Mymensingh	
2·09	0·35	+1·74	2·00	0·59	2·34	1·89	+0·45	2·50	1·73	Bogra ...	Bogra	NORTH BENGAL.
1·03	0·27	+0·76	2·50	0·83	1·05	2·10	−1·05	2·50	2·81	Serajgunge ...	Pubna	
1·22	0·19	+1·03	1·67	0·52	1·22	1·33	−0·11	1·67	1·70	Rampore Beauleah.	Rajshahye	
0·14	0·19	−0·05	0·50	0·36	0·14	1·34	−1·20	0·50	1·19	Maldah ...	Maldah	
0·19	0·12	+0·07	0·60	0·34	0·19	1·01	−0·82	0·60	1·08	Dinagepore ...	Dinagepore	
0·15	0·10	+0·05	0·50	0·19	0·17	1·71	−1·54	0·50	1·32	Rungpore ...	Rungpore	
Nil	0·08	−0·08	0·00	0·28	Nil	1·88	−1·88	0·00	1·77	Julpigoree ...	Julpigoree and Cooch Behar.	
0·11	0·30	−0·19	0·25	0·67	0·71	2·58	−1·87	1·00	2·25	Darjeeling ...	Darjeeling Hill Tracts.	
Nil	0·06	−0·06	0·00	0·21	Nil	1·33	−1·33	0·00	1·01	Purneah ...	Purneah and North Bhagulpore.	NORTH BEHAR.
Nil	0·08	−0·08	0·00	0·32	0·06	0·96	−0·90	0·00	1·09	Mozufferpore ...	Mozufferpore	
Nil	0·06	−0·06	0·00	0·17	Nil	0·85	−0·85	0·00	0·89	Durbhunga ...	Durbhunga	
Nil	0·02	−0·02	0·00	0·14	Nil	0·32	−0·32	0·00	0·52	Motihari ...	Chumparun	
Nil	0·18	−0·18	0·00	0·39	0·05	0·86	−0·81	0·00	1·06	Chupra ...	Sarun	
Nil	0·25	−0·25	0·00	0·45	0·04	1·27	−1·23	0·20	1·57	Dehree ... Buxar ... Arrah ...	Shahabad	SOUTH BEHAR.
Nil	0·24	−0·24	0·00	0·46	0·20	0·91	−0·71	0·50	1·40	Gya ...	Gya	
Nil	0·19	−0·19	0·00	0·35	0·13	1·29	−1·16	0·50	1·41	Bankipore ...	Patna	
Nil	0·18	−0·18	0·00	0·37	0·07	1·29	−1·22	0·40	1·40	Bhagulpore ...	South Bhagulpore and Monghyr.	
0·46	0·16	+0·30	1·00	0·58	0·49	1·33	−0·84	1·00	1·63	Naya Doomka...	Sonthal Pergunnahs ...	
0·15	0·35	−0·20	0·00	0·93	0·15	0·98	−0·83	0·20	2·00	Hazaribagh ...	Hazaribagh	CHUTIA NAGPUR.
0·12 0·22	0·45 0·15	−0·33 +0·04	0·33 0·50	0·92 0·70	0·18 0·46	1·28 1·18	−1·10 −0·72	0·66 1·50	2·84 1·94	Ranchee ...	Lohardugga ... ... Manbhoom	
0·48	0·24	+0·24	1·00	1·00	0·54	1·50	−0·96	1·00	2·85	Chyebassa ...	Singbhoom	
										Sibsagar... ... Dhubri ... ... Silchar	Assam	ASSAM.

Table of Rainfall recorded at stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA ...	Pooree ...	Pooree ...	...	...	...	0·50	13 61	1·80	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Khurdah ...	...	...	...	0·06	2·56	1·12	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banpur ...	...	...	...	1·41	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		False Point ...	...	...	...	0·20	3 84	7·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gop ...	...	...	...	0 70	5 00	14 00	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Satpara ...	...	...	...	0·25	3·35	0 13	0·22	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pipli ...	...	...	...	0·40	3 95	2·63	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cuttack ..	Jagatsingpore	...	...	...	1·37	4·80	6·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banki ...	...	...	...	0 06	1·01	0·10	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Cuttack ...	...	...	...	0·09	2·63	2·15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kendrapara ..	...	...	...	0·21	6·21	9·30	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jajpore ...	...	...	...	...	1·10	2·11	0·03	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dharmsalla ...	...	...	0·01	2·04	3 25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Salipore ...	...	...	...	5·70	2·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Balasore ...	*Akhoyapada* .	...	...	...	...	1·00	3·43	0·29	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chandbali ...	...	...	...	0·20	2·21	7·02	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhuddruck ..	...	...	...	0·16	1·35	3·79	0·25	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sorah ...	...	...	...	0·12	1 51	2·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Balasore ...	...	...	...	0·10	0 75	1 62	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jellasore ...	...	...	...	...	...	0·82	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baripodah ...	...	...	...	...	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST BENGAL.	Midnapore ...	Contai ..	...	...	...	...	0·22	2·27	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Saugor Island	...	...	...	0·02	0·00	4·18	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Tumlook .	...	...	...	...	...	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Midnapore ...	...	...	...	...	...	0 18	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ghatal ...	...	...	...	...	...	0·26	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kukrahaty ...	...	...	...	...	...	0·30	0·01	...	...	...	...	...	...	...	...	...	...	...	...	...
		Garbeta ...	...	...	...	...	...	0·19	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	24-Pergunnahs	Diamond Harbour.	...	...	...	...	...	0·70	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Canning Town	...	...	...	...	0·04	0·00	1 16	...	...	...	...	...	...	0 24	...	...	...	...	...	...
		Alipore Jail ...	...	...	...	...	...	0·41	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrackpore ..	...	...	...	...	...	0·[illegible]8	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dum-Dum ...	...	...	...	...	...	0·38	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barasat ...	...	...	...	...	...	0·21	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Busseerhat ..	...	...	...	...	...	0·52	...	...	...	...	...	...	...	0·36	...	...	...	...	...	...
	Howrah ...	Howrah ...	...	...	...	...	...	0·28	0·01	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohesreka (*Oolooberiah*).	...	...	...	...	0 30	0·36	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hooghly ...	Serampore ...	...	...	...	...	...	0·22	0·02	...	...	...	...	...	...	0·01	...	...	...	...	...	...
		Hooghly ..	...	...	...	...	...	0·33	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad ...	...	...	...	...	...	0·23	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...
	Burdwan ...	Culna ..	...	...	...	...	...	0·28	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Burdwan ...	...	...	...	...	0·03	0·18	0·04	...	...	...	...	...	...	...	...	...	...	...	...	...
		Cutwa ...	...	...	...	...	0·04	0 61	0·25	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raneegunge ..	...	...	...	...	...	0 28	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mankur ...	...	...	...	...	0·27	0·43	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bankoora ...	Bankoora ...	...	...	...	...	0·14	0·55	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bishenpore ...	...	...	...	...	...	0·37	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mulara ...	...	...	...	...	0·12	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Khatra ...	...	...	...	...	0·10	0·40	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Indas ...	...	...	...	...	0·12	0·26	0·08	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kotalpore ...	...	...	...	...	0 18	0·12	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Anda ...	...	...	...	...	0·41	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gangajalghati	...	...	...	...	...	0·29	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raspore ...	...	...	...	...	...	0·32	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sonamukhi ...	...	...	...	...	...	0·51	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Beerbhoom ...	Bh. Soory ...	...	...	...	...	...	1·30	0 04	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hetampore ..	...	...	...	...	1·09	0 03	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rampore Haut	...	...	...	...	0·43	1 31	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bolpur ...	...	...	...	...	0·20	1·55	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Murarai ...	...	...	...	...	...	0·56	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Nuddea ...	Ranaghat ...	...	...	...	...	0·03	0·48	0·03	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kishnaghur ...	...	...	...	...	0·03	1·27	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chooadanga ..	...	...	...	...	...	0·09	...	...	...	...	...	...	0·07	...	...	...	...	...	...	...
		Meherpore ...	...	...	...	...	...	0 30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kooshtea ..	...	...	...	...	...	0 41	0·05	...	...	...	...	...	0·54	...	...	...	...	...	...	...
	Khoolna ..	Satkhira ...	...	...	...	...	0·08	0·45	2·30	...	...	...	...	...	...	0·30	...	...	...	...	...	...
		Bagirhat ...	...	...	...	...	...	0·25	2·03	...	...	...	...	...	0·16	...	...	...	...	...	...	...
		Khoolna ...	...	...	...	...	0·06	0 60	2·01	...	...	...	...	...	1·22	...	...	...	...	...	...	...
		Nakipur ...	...	...	...	...	...	2·14	0·08	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rampal ...	...	...	...	...	...	...	1·80	...	...	...	...	...	...	...	...	...	...	...	...	...
	Jessore ...	Narail ...	...	...	...	...	...	0 27	1·84	...	...	...	...	...	...	0·02	...	...	...	...	...	...
		Jessore ...	...	...	...	...	0·06	0·1[illegible]	0·58	...	...	...	...	...	0·12	0·42	...	...	...	...	...	...
		Jhenidah ...	...	...	...	...	...	0·18	0·09	...	...	...	...	...	0·03	...	...	...	...	...	...	...
		Magoorah ..	...	...	...	...	...	0·34	0·12	...	...	...	...	...	0·06	...	...	...	...	...	...	...
		Bongong ...	...	...	...	...	...	0·30	0·14	...	...	...	...	...	...	0·09	...	...	...	...	...	...
	Moorshedabad	Kandi ...	...	...	...	...	...	1·00	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...
		Berhampore...	...	...	...	...	0·26	0·73	0·07	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalbagh ...	...	...	...	...	...	0·71	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...
		Azimgunge ...	...	...	...	...	0·40	0·90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jungipore ...	...	...	...	...	...	1·42	0·01	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalgola ...	...	...	...	...	...	1·53	0·07	...	...	...	...	...	...	...	...	...	...	...	...	...
		Akhriganj ...	...	...	...	...	0·09	0 45	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patkabari ...	...	...	...	...	0·10	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
EAST BENGAL	Chittagong ...	Cox's Bazar ...	...	...	...	0·10	0·05	0·53	0·31	...	...	...	...	0·03	...	0·09	...	...	...	...	...	0·02
		Chittagong ...	...	...	...	0·73	0·07	0·10	0·30	...	...	...	...	0·13	0·06	...	...	...	...	...	...	...
		Kutabdia ...	...	...	...	0·06	0·03	0·13	0·95	...	...	...	...	1·05	0·23	0·[illegible]3	...	...	...	...	...	...
		Satkania ...	...	...	...	0·70	0·46	0·32	0 87	...	...	...	...	0·66	0·30	0·05	...	...	...	...	...	...
	Chittagong Hill Tracts.	Rangamati ...	...	...	...	...	0·11	0·10	0·48	...	...	...	...	0·90	...	0·28	...	...	...	...	...	...
		Bandarban ...	...	...	...	0·23	0·09	0·09	0·50	...	...	...	...	...	1·04	0·21	...	...	...	...	...	...

Bengal for the month of November 1891.

22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th October 1891 to 30th November 1891	Average rainfall from 16th October to 30th November.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	...	...	3	2·95	15·91	2·30	13·61	15·91	6·84	Pooree ...	Pooree	ORISSA.
...	...	...	...	...	...	...	...	...	2	2·59	3·74	1·64	2·50	3·74	4·69	Khurdah.		
...	...	...	...	...	...	...	...	...	2	3·00	1·50	3·09	1·49	1·77	5·68	Banpur.		
...	...	...	...	...	...	...	...	...	3	2·85	11·10	2·24	7·02	12·23	6·65	False Point.		
...	0·04	...	...	...	...	...	...	...	3	?	19·70	?	14·00	?	?	*Gop.*		
...	...	...	...	...	...	...	...	...	4	?	3·95	?	3·35	4·10	?	*Satpara.*		
...	...	...	...	...	...	...	...	...	3	?	6·98	?	3·93	6·98	?	*Pipli.*		
...	...	...	...	...	...	...	...	...	3	1·89	12·47	1·16	6·39	12·47	3·96	Jagatsingpore.	Cuttack.	
...	...	...	...	...	...	...	...	...	2	2·86	1·17	2·00	1·01	1·17	4·02	Bankl.		
...	...	...	...	...	...	...	...	...	2	2·05	4·87	1·13	2·63	4·87	3·92	Cuttack.		
...	...	...	...	...	...	...	...	...	4	1·95	16·12	0·86	9·50	16·72	3·94	Kendrapara.		
...	...	...	...	...	...	...	...	...	2	2·00	3·24	0·68	2·11	3·24	2·75	Jajpore.		
...	...	...	...	...	...	...	...	...	2	?	5·31	?	3·25	5·31	?	*Dharmsala.*		
...	...	...	...	...	...	...	...	...	2	?	8·20	?	5·70	8·20	?	*Salipore.*		
...	...	...	...	...	...	...	...	...	3	?	4·74	?	3·41	4·74	?	Akhoyapada	Balasore.	
...	...	...	...	...	...	...	...	...	4	2·00	10·53	1·52	7·92	11·05	3·66	Chandbali.		
...	...	...	...	...	...	...	...	...	4	1·80	5·55	0·94	3·79	5·85	2·90	Bhuddruck.		
...	...	...	...	...	...	...	...	...	3	1·76	3·[illegible]3	0·75	2·3[illegible]	3·93	2·03	Sorah.		
...	...	...	...	...	...	...	...	...	3	1·70	2·47	0·91	1·62	2·[illegible]7	3·[illegible]8	Balasore.		
...	...	...	...	...	...	...	...	...	1	1·06	0·82	0·42	0·82	0·82	1·34	Jellasore.		
...	...	...	...	...	...	...	...	...	1	1·55	0·35	0·98	0·35	0·35	1·93	Baripodah.		
...	...	...	...	...	...	...	...	...	2	1·29	2·40	0·66	2·27	2·40	5·23	Contai ..	Midnapore ...	SOUTH-WEST BENGAL.
...	...	...	...	...	...	...	...	...	1	1·55	4·29	0·65	4·18	4·41	5·01	Saugor Island		
...	...	...	...	...	...	...	...	...	1	0·80	0·35	0·35	0·35	0·3[illegible]	2·64	Tumlook.		
...	...	...	...	...	...	...	...	...	1	0·90	0·18	0·23	0·18	0·18	2·12	Midnapore.		
...	...	...	...	...	...	...	...	...	1	0·71	0·26	0·12	0·23	0·33	0·61	Ghatal.		
...	...	...	...	...	...	...	...	...	1	?	0·31	?	0·31	0·31	?	*Kukrahaty.*		
...	...	...	...	...	...	...	...	...	1	?	0·19	?	0·19	0·19	?	*Garbeta.*		
...	...	...	...	...	...	...	...	...	1	1·30	0·70	0·38	0·70	0·70	2·59	Diamond Harbour.	24-Pergunnahs	
...	...	...	...	...	...	...	...	...	3	?	2·34	?	1·16	2·34	?	*Canning Town.*		
...	...	...	...	...	...	...	...	...	1	0·95	0·43	0·35	0·41	0·43	2·29	Alipore Jail.		
...	...	...	...	...	...	...	...	...	1	1·10	0·18	0·50	0·18	0·25	1·84	Barrackpore.		
...	...	...	...	...	...	...	...	...	1	1·00	0·41	0·24	0·38	0·41	1·96	Dum-Dum.		
...	...	...	...	...	...	...	...	...	1	1·01	0·21	0·3[illegible]	0·21	0·56	2·20	Baraset.		
...	...	...	...	...	...	...	...	...	2	1·00	1·28	0·35	0·92	1·28	2·19	Busseerhat.		
...	...	...	...	...	...	...	...	...	1	1·00	0·29	0·33	0·28	0·29	2·21	Howrah ..	Howra	
...	...	...	...	...	...	...	...	...	1	0·87	0·41	0·48	0·36	0·41	1·38	Mohesreka		
...	...	...	...	...	...	...	...	...	1	?	0·36	?	0·36	0·35	?	(*Ooloobariah*)		
...	...	...	...	...	...	...	...	...	1	1·00	0·25	0·21	0·23	0·40	1·87	Serampore ...	Hooghly.	
...	...	...	...	...	...	...	...	...	1	0·81	0·33	0·25	0·33	0·35	1·54	Hooghly.		
...	...	...	...	...	...	...	...	...	1	0·63	0·31	0·25	0·28	0·50	1·95	Jehanabad.		
...	...	...	...	...	...	...	0·06	...	1	0·75	0·34	0·31	0·28	0·34	1·71	Culna ...	Burdwan.	
...	...	...	...	...	...	...	...	...	1	0·75	0·27	0·3[illegible]	0·18	0·28	2·18	Burdwan.		
...	...	...	...	...	...	0·08	...	...	2	0·[illegible]5	0·93	0·25	0·61	0·[illegible]5	2·03	Cutwa.		
...	...	...	...	...	...	...	...	...	1	0·60	0·28	0·20	0·28	0·56	1·42	Raneegunge.		
...	...	...	...	...	...	...	...	...	2	?	0·70	?	0·43	0·85	?	*Mankur.*		
...	...	...	...	...	...	...	...	...	2	0·75	0·69	0·25	0·[illegible]5	0·69	1·90	Bankoora	Bankoora.	
...	...	...	...	...	...	...	...	...	1	0·73	0·37	0·3[illegible]	0·37	0·3[illegible]	1·51	Bishenpore.		
...	...	...	...	...	...	...	...	...	2	0·89	0·47	0·3[illegible]	0·35	0·6[illegible]	1·71	Malara.		
...	...	...	...	...	...	...	...	...	2	1·01	0·[illegible]0	0·90	0·41	0·5[illegible]	2·03	Khatra.		
...	...	...	...	...	...	...	0·02	...	2	?	0·48	?	0·25	0·45	?	Indas.		
...	...	...	...	...	...	...	...	...	2	?	0·31	?	0·15	0·3[illegible]	?	Kotalpore.		
...	...	...	...	...	...	...	...	...	1	?	0·41	?	0·41	0·41	?	Amta.		
...	...	...	...	...	...	...	...	...	1	?	0·29	?	0·21	0·29	?	Gangajalghati.		
...	...	...	...	...	...	...	...	...	1	?	0·82	?	0·[illegible]2	0·82	?	*Raipore.*		
...	...	...	...	...	...	...	...	...	1	?	0·51	?	0·51	0·51	?	*Sonamukhi.*		
...	...	...	...	...	...	...	...	...	1	0·80	1·43	0·12	1·37	1·45	1·78	Bh. Soory .	Beerbhoom.	
...	...	...	...	...	...	...	...	...	1	0·93	1·12	0·12	1·00	1·52	0·92	Hetampore.		
...	...	...	...	...	...	...	...	...	2	0·71	1·74	0·16	1·31	1·[illegible]8	1·68	Rampore Haut		
...	...	...	...	...	...	...	...	...	2	?	1·75	?	1·5[illegible]	2·1[illegible]	?	*Bolpur*		
...	...	...	...	...	...	...	...	...	1	?	0·56	?	0·56	0·5[illegible]	?	*Murarai.*		
...	...	...	...	...	...	...	...	0·04	1	0·80	0·58	0·3[illegible]	0·45	0·61	1·80	Rangahat ...	Nuddea.	
...	...	...	...	...	...	...	...	...	1	0·70	1·[illegible]0	0·31	1·2[illegible]	1·31	1·32	Kishnaghur.		
...	...	...	...	...	...	...	...	...	Nil	0·60	0·16	0·4	0·09	0·47	2·12	Chooadanga.		
...	...	...	...	...	...	...	...	...	1	0·75	0·3[illegible]	0·1[illegible]	0·30	0·[illegible]0	1·50	Meherpore.		
...	...	...	...	...	...	...	...	...	2	0·85	1·00	0·2[illegible]	0·54	1·09	2·98	Kooshtea.		
...	...	...	...	...	...	...	...	...	3	1·21	3·13	0·3[illegible]	2·30	3·13	2·10	Satkhira	Khoolna	
...	...	...	...	...	...	...	...	...	3	1·21	2·44	0·61	2·03	2·75	2·08	Bagirhat.		
...	...	...	...	...	...	...	...	...	3	1·11	3·89	0·41	2·01	3·87	2·30	Khoolna.		
...	...	...	...	...	...	...	...	...	2	?	2·82	?	2·14	2·8[illegible]	?	*Nakipur.*		
...	...	...	...	...	...	...	...	...	1	?	1·80	?	1·80	1·80	?	*Rampal.*		
...	...	...	...	...	...	...	...	...	2	0·89	2·13	0·46	1·81	2·13	2·29	Narai .	Jessore.	
...	...	...	...	...	...	...	...	...	4	1·05	1·33	0·32	0·58	1·59	2·44	Jessore.		
...	...	...	...	...	...	...	...	...	1	1·11	0·30	0·35	0·15	0·[illegible]4	2·1[illegible]	Jhenidah.		
...	...	...	...	...	...	...	...	...	2	1·05	0·52	0·22	0·34	0·5	1·61	Magoorah.		
...	...	...	...	...	...	...	...	...	3	0·85	0·53	0·30	0·30	0·50	2·12	Bongong.		
...	...	...	...	...	...	...	...	...	3	0·73	1·29	0·32	1·01	1·20	1·36	Kandi ...	Moorshedabad.	
...	...	...	...	...	...	...	...	...	2	0·50	1·00	0·[illegible]5	0·73	1·06	1·61	Berhampore.		
...	...	...	...	...	...	...	...	...	1	0·77	0·76	0·34	0·71	0·86	1·48	Lalbagh.		
...	...	...	...	...	...	...	...	...	2	0·50	1·31	0·1[illegible]	0·90	1·86	1·45	Azimgunge.		
...	...	...	...	...	...	...	...	...	1	0·50	1·43	0·1[illegible]	1·42	1·4[illegible]	1·36	Jungipore.		
...	...	...	...	...	...	...	...	...	1	0·59	1·60	0·21	1·53	1·60	1·83	Lalgola.		
...	...	...	...	...	...	...	...	...	2	?	0·71	?	0·45	1·63	?	*Akhrygunj.*		
...	...	...	...	...	...	...	...	...	2	?	0·40	?	0·30	1·10	?	*Patkabari.*		
...	0·05	0·01	...	...	...	...	...	...	3	2·15	1·19	2·68	0·53	3·97	5·92	Cox's Bazar ..	Chittagong .	EAST BENGAL.
...	...	...	...	...	...	...	...	...	4	1·90	1·39	1·39	0·73	1·63	3·32	Chittagong.		
...	...	...	...	...	...	...	...	...	5	?	2·78	?	1·05	3·36	?	*Kutubdia.*		
...	...	...	...	...	...	...	...	...	5	?	2·98	?	0·87	3·70	?	*Satkanya.*		
...	...	...	...	...	...	0·29	...	...	6	1·85	2·16	1·95	0·90	3·33	4·03	Rangamati ..	Chittagong Hill Tracts.	
...	...	...	...	...	...	...	...	...	4	?	2·16	?	1·04	3·04	?	*Bandarban* ...		

Table of Rainfall recorded at Statio

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
AST BENGAL —*concld.*	Backergunge...	Patuakhally...	...	...	...	...	...	0·52	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...
		Perozepore ...	...	...	...	...	...	0·54	0·05	...	...	...	...	...	...	...	0·18	...	...	...	...	...
		Burrisal ...	...	...	...	...	...	0·38	0·01	...	...	...	...	...	...	...	0·81	...	...	...	...	...
		Bhola ...	...	...	...	...	...	0·13	0·25	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gournaddi ...	...	...	...	...	...	0·52	2·43	...	...	...	...	...	0·34	0·06	...	...	...	...	...	...
		Bauphal ...	...	...	...	...	...	0·48	0·14	...	...	...	...	...	0·13	...	...	...	...	...	...	...
	Noakholly ...	Noakholly ...	...	...	...	...	...	...	0·49	...	...	...	...	0·01	...	...	0·34	...	...	...	...	...
		Fenny ...	...	...	...	...	...	...	0·64	...	...	...	...	...	...	0·80	...	...	...	...	...	...
		Harishpore ...	...	...	...	0·10	...	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ramganj ...	...	...	...	...	...	...	1·28	...	...	...	...	...	...	...	...	...	...	...	...	...
	Furreedpore...	Madaripore ...	...	...	...	...	0·04	...	4·07	...	...	...	...	...	...	...	...	...	...	...	...	...
		Furreedpore...	...	...	...	...	0·11	0·11	0·76	...	...	...	...	...	0·09	...	...	...	...	...	...	...
		Goalundo ...	...	...	...	...	0·16	0·18	0·08	...	...	...	...	...	0·07	...	...	...	...	...	...	...
	Dacca ...	Munshigunge	...	...	...	...	0·06	0·10	2·91	...	...	...	...	...	0·63	...	...	...	...	...	...	...
		Dacca ...	...	...	...	...	...	...	0·90	...	...	...	...	...	0·60	...	0·37	...	...	...	...	...
		Naraingunge	...	...	...	...	...	0·20	2·68	...	...	...	...	...	0·46	...	...	...	...	...	...	...
		Manickgunge	...	...	...	...	...	0·04	0·45	...	...	...	...	0·01	0·32	...	...	...	...	...	...	...
		Joydebpore ...	...	...	...	...	0·08	0·15	1·36	...	...	...	...	...	0·06	0·30	...	...	...	...	...	...
	Hill Tipperah	Agartola ...	...	...	...	...	...	0·20	3·30	...	...	...	...	...	0·25	...	...	...	...	...	...	...
	Tipperah ...	Comilla ...	...	...	...	...	...	...	3·92	...	...	...	...	...	0·02	0·60	...	...	...	...	...	...
		Chandpore ...	...	...	...	...	...	0·05	4·40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Brahmunberia	...	...	...	...	...	1·80	0·90	...	...	...	...	...	...	0·25	0·24	...	...	...	...	...
		Ramchandrapore.	...	...	...	...	0·04	...	2·21	...	...	...	...	...	0·53	...	0·16	...	...	...	...	...
		Nasirnagar ...	...	...	...	...	...	0·15	1·10	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudkandi ...	...	...	...	...	...	...	3·17	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kasba ...	...	...	...	...	0·07	0·08	4·02	...	...	...	...	...	0·85	...	...	...	...	...	...	...
		Laksham ...	...	...	...	...	...	...	1·20	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mymensingh..	Kishoregunge	...	...	...	...	...	0·46	1·21	...	...	...	...	...	...	...	...	...	...	...	...	...
		Atia (*Tangail*)	...	...	...	...	...	0·29	0·34	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mymensingh	...	...	...	...	...	1·53	0·29	...	...	...	...	...	0·02	...	...	...	...	...	...	...
		Jamalpore ...	...	...	...	...	...	1·90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Netrokona ...	...	...	...	...	...	1·23	0·35	...	...	...	...	...	...	...	...	...	...	...	...	...
		Subornakhally	...	...	...	...	...	0·85	0·25	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durgapore ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sherpore Town	...	...	...	...	...	1·86	0·22	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dewanganj ...	...	...	...	...	1·23	0·61	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TH BENGAL.	Pubna ...	Pubna ...	...	...	...	...	...	0·75	0·12	...	...	...	...	...	0·12	...	...	...	...	...	...	...
		Serajgunge ..	...	...	...	...	0·06	0·83	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bogra ...	Sherpore ...	...	...	...	...	...	1·49	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nowkhilla ...	...	...	...	...	0·71	1·74	0·22	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bogra ...	...	...	...	...	0·05	2·85	0·70	...	...	...	...	...	...	...	...	...	...	...	...	...
		Panchbibi ...	...	...	...	...	...	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rajshahye ...	Beauleah ...	...	...	...	...	...	...	0·31	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nattore ...	...	...	...	...	0·42	0·80	0·22	...	...	...	...	...	...	...	...	...	...	...	...	...
		Naogaon ...	...	...	...	...	...	1·90	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalpore ...	...	...	...	...	0·32	0·75	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Manda ...	...	...	...	...	...	0·70	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maldah ...	Maldah ...	...	...	...	...	...	0·26	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chanchal ...	...	...	...	...	...	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gajol ...	...	...	...	...	...	0·15	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sibganj ...	...	...	...	...	0·23	0·70	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Dinagepore ...	Mohadebpore	...	...	...	...	...	0·50	0·20	...	...	...	...	...	...	...	...	...	...	...	...	...
		Churamon ...	...	...	...	...	...	0·08	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raigunge ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinagepore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baloorghat .	...	...	...	...	...	...	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...
		Thakurgaon...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rungpore ...	Bhawanigunge (*Gyabunda*).	...	...	...	...	...	0·32	0·14	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rungpore ...	...	...	...	...	...	0·07	0·02	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kurigram ..	...	...	...	...	...	...	0·06	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bagdogra (*Nilphamari*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ulipore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Julpigoree ...	Julpigoree ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Alipore Doar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Falacotta ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Debiganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhagalpore (*Nagrakutta*).	...	...	...	...	...	...	...	0·06	...	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar...	Dinhatta ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Cooch Behar...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mickligunge...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Matabhanga...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Darjeeling Hill	Buxa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Siliguri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·45	...	...	...	...	...
		Darjeeling ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kalimpong ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·01
		Kurseong ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
BEHAR	Purneah ...	Kissengunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arrareah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Purneah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gondwara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bularampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Matiari ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kaliaganj ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	North Bhagulpore.	Maddapora ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Soopool ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Protabganj ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Bengal for the month of November 1891—*continued.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th October 1891 to 30th November 1891.	Average rainfall from 16th October to 30th November.	District.	Station.	Meteorological division.
...	...	...	...	...	...	...	...	...	...	3	1·28	0·72	1·66	0·52	0·94	3·53	Patuakhally ...	Backergunge.	EAST BENGAL —*concld.*
...	...	...	...	...	...	...	...	...	...	3	1·45	1·69	1·21	0·95	1·59	3·25	Perozepore.		
...	...	...	...	...	...	...	...	...	...	3	1·45	2·10	1·25	0·91	2·21	3·18	Burrisal.		
...	...	...	...	...	...	...	...	...	...	2	1·54	0·38	1·36	0·25	0·54	3·22	Bhola.		
...	...	...	...	...	...	...	...	...	...	3	?	3·35	?	2·43	4·01	?	*Gournaddi.*		
...	...	...	...	...	...	...	...	...	...	3	?	0·75	?	0·43	1·36	?	*Bauphal.*		
...	...	...	...	...	...	...	...	...	...	2	1·53	0·84	1·82	0·47	2·71	3·82	Noakholly ...	Noakholly.	
...	...	...	...	...	...	...	...	...	...	2	2·28	1·44	3·22	0·80	2·09	4·79	Fenny.		
...	...	...	...	...	...	...	...	...	...	2	?	0·45	?	0·35	0·47	?	*Harishpore.*		
...	...	...	...	...	...	...	...	...	...	1	?	1·24	?	1·28	1·30	?	*Ramganj.*		
...	...	...	...	...	...	...	...	...	...	1	0·85	4·11	0·44	4·07	4·24	1·79	Madaripore ...	Furreedpore.	
...	...	...	...	...	...	...	...	...	...	3	1·10	1·07	0·33	0·76	1·07	2·22	Furreedpore.		
...	...	...	...	...	...	0·01	...	...	...	2	1·00	0·50	0·33	0·18	0·53	2·05	Goalundo.		
...	...	...	...	...	...	...	...	...	...	3	1·63	3·70	0·84	2·91	3·78	2·80	Munshigunge	Dacca.	
...	...	...	...	...	...	...	...	...	...	3	1·15	1·96	0·30	0·40	1·96	1·01	Dacca.		
...	...	...	...	...	...	...	...	...	...	3	1·71	3·34	1·28	2·68	3·34	3·45	Naraingunge.		
...	...	...	...	...	...	...	...	...	...	2	1·00	0·82	0·46	0·45	0·82	2·02	Manickgunge.		
...	...	...	...	...	...	...	...	...	...	3	?	1·95	?	1·36	1·95	?	*Joydebpore.*		
...	...	...	...	...	...	1·35	...	...	...	4	1·53	5·10	0·84	3·30	7·40	3·04	Agartola ..	Hill Tipperah	
...	...	...	...	...	...	...	...	...	...	2	1·89	4·54	0·94	3·92	6·42	2·11	Comilla ..	Tipperah.	
...	...	...	...	...	...	...	...	...	...	1	1·67	4·45	0·56	4·49	4·45	2·00	Chandpore.		
...	...	...	...	...	...	...	...	...	...	4	1·05	3·19	0·57	1·89	4·59	2·18	Brahmunberia		
...	...	...	...	...	...	...	...	...	...	3	?	2·04	?	2·21	3·42	?	*Ramchandrapore.*		
...	...	...	...	...	...	0·30	...	...	...	3	?	1·55	?	1·10	1·55	?	*Nasirnagar.*		
...	...	...	...	...	...	...	...	...	...	1	?	3·17	?	3·17	3·17	?	*Daudkandi.*		
...	...	...	...	...	...	0·15	...	...	...	3	?	6·07	?	4·92	7·44	?	*Kasba.*		
...	...	...	...	...	...	...	...	...	...	1	?	1·20	?	1·20	2·05	?	*Laksham.*		
...	...	...	...	...	...	...	...	...	...	2	1·09	1·67	0·41	1·21	1·67	1·79	Kishoregunge.	Mymensingh.	
...	...	...	...	...	...	...	...	...	...	2	0·70	0·63	0·25	0·34	0·63	2·14	Attia (*Tangail*)		
...	...	...	...	...	...	0·54	...	...	...	3	0·80	2·38	0·39	1·53	2·57	2·40	Mymensingh.		
...	...	...	...	...	...	...	...	...	...	1	0·60	1·99	0·23	1·99	3·00	2·09	Jamalpore.		
...	...	...	...	...	...	0·13	...	...	...	3	0·71	1·71	0·3[illegible]	1·24	1·71	2·56	Netrokona.		
...	...	...	...	...	...	...	...	...	...	2	?	1·10	?	0·85	1·10	?	*Subornakhally.*		
...	...	...	...	...	...	...	...	...	...		?		?			?	*Durgapore.*		
...	...	...	...	...	...	...	...	...	...	2	?	2·08	?	1·86	2·08	?	*Sherepore Town.*		
...	...	...	...	...	...	...	...	...	...	2	?	1·84	?	1·23	1·84	?	*Dewanganj.*		
...	...	...	...	...	...	...	...	...	...	3	0·85	0·99	0·15	0·75	0·99	1·89	Pubna ...	Pubna ...	NORTH BENGAL.
...	...	...	...	...	...	...	...	...	...	2	0·30	1·66	0·38	0·83	[illegible]	2·20	Serajgunge.		
...	...	...	...	...	...	...	...	...	...	2	0·86	1·79	0·57	1·49	2·64	2·21	Sherpore ..	Bogra.	
...	...	...	...	...	...	...	...	...	...	3	0·64	2·67	0·53	1·71	2·67	2·20	Nowkhilla.		
...	...	...	...	...	...	...	...	...	...	2	0·51	3·00	0·27	2·85	3·00	1·86	Bogra.		
...	...	...	...	...	...	...	...	...	...	1	0·36	0·30	0·02	0·30	0·45	1·20	Panchbibi.		
...	...	...	...	...	...	...	...	...	...	1	0·45	0·31	0·14	0·31	0·31	1·51	Beauleah ..	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	3	0·55	1·44	0·16	0·80	1·44	1·88	Nattore.		
...	...	...	...	...	...	...	...	...	...	1	0·57	1·90	0·17	1·90	1·90	0·61	*Naogaon.*		
...	...	...	...	...	...	...	...	...	...	2	?	1·07	?	0·75	1·07	?	*Lalpore.*		
...	...	...	...	...	...	...	...	...	...	2	?	1·00	?	0·70	1·00	?	*Manda.*		
...	...	...	...	...	...	...	...	...	...	1	0·35	0·26	0·16	0·26	0·26	1·89	Maldah ..	Maldah.	
...	...	...	...	...	...	...	...	...	...	Nil	0·38	0·02	0·21	0·02	0·02	0·87	Chanchal.		
...	...	...	...	...	...	...	...	...	...	1	?	0·15	?	0·15	0·15	?	*Gajol.*		
...	...	...	...	...	...	...	...	...	...	2	?	0·93	?	0·70	0·93	?	*Sibganj.*		
...	...	...	...	...	...	...	...	...	...	2	0·50	0·70	0·10	0·50	0·70	0·89	Mohadebpore .	Dinagepore.	
...	...	...	...	...	...	...	...	...	...	Nil	0·27	0·08	0·18	0·08	0·08	0·73	Churamon.		
...	...	...	...	...	...	...	...	...	...	Nil	0·36	Nil	0·09	Nil	Nil	0·51	Raigunge.		
...	...	...	...	...	...	...	...	...	...	Nil	0·30	Nil	0·09	Nil	Nil	2·00	Dinagepore.		
...	...	...	...	...	...	...	...	...	...	1	0·29	0·17	0·12	0·17	0·17	0·91	Baloorghat.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Thakurgaon.*		
...	...	...	...	...	...	...	...	...	...	2	0·32	0·46	0·11	0·32	0·54	1·75	Bhawanigunge (*Gyabanda*).	Rungpore.	
...	...	...	...	...	...	...	...	...	...	Nil	0·10	0·09	0·10	0·07	0·09	2·74	Rungpore.		
...	...	...	...	...	...	...	...	...	...	Nil	0·13	0·06	0·15	0·06	0·06	1·15	Kurigram.		
...	...	...	...	...	...	...	...	...	...	Nil	0·20	Nil	0·02	Nil	Nil	1·19	Bardogra. (*Nilphamari.*)		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	0·48	?	*Ulipore.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·15	Nil	0·10	Nil	Nil	2·85	Julpigoree ...	Julpigoree.	
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Alipore Doar.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Falacotta.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Debiganj.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	0·06	?	0·06	1·41	?	*Bhogotpore (Nagrakatta.)*		
...	...	...	...	...	...	...	...	...	...	Nil	0·36	Nil	0·06	Nil	Nil	1·66	Dinnatta		
...	...	...	...	...	...	...	...	...	...	Nil	0·37	Nil	0·07	Nil	Nil	1·75	Cooch Behar...	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	Nil	0·17	Nil	0·07	Nil	Nil	1·55	Mekligunge.		
...	...	...	...	...	...	...	...	...	...	Nil	0·36	Nil	0·08	Nil	Nil	1·55	Matabhanga.		
...	...	...	...	...	...	...	...	...	...	1	1·00	0·45	0·47	0·45	2·30	4·36	Buxa ...	Darjeeling.	
...	...	...	...	...	...	...	...	...	...	Nil	0·57	Nil	0·32	Nil	Nil	0·89	Siliguri.		
...	...	...	...	...	...	...	...	...	...	Nil	0·40	0·01	0·14	0·01	0·07	4·28	Darjeeling.		
...	...	...	...	...	...	...	...	...	...	Nil	0·71	Nil	0·25	Nil	0·47	0·57	Kalimpong.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	Kurseong.		
...	...	...	...	...	...	...	...	...	...	Nil	0·26	Nil	0·05	Nil	Nil	1·20	Kissengunge ...	Purneah ...	NORTH BEHAR.
...	...	...	...	...	...	...	...	...	...	Nil	0·16	Nil	0·05	Nil	Nil	1·28	Arrareah.		
...	...	...	...	...	...	...	...	...	...	Nil	0·20	Nil	0·08	Nil	Nil	1·70	Purneah.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Gondwara.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Balarampore*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Mattiari.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Kaliaganj.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·25	Nil	0·06	Nil	Nil	1·41	Maddapore ..	North Bhagulpore.	
...	...	...	...	...	...	...	...	...	...	Nil	0·16	Nil	0·04	Nil	Nil	1·05	Soopool.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Protabganj.*		

Table of Rainfall recorded at Stations in

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NORTH BEHAR —concld.	Durbhunga ...	Tajpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durbhunga ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Madhubani ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bahera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Roshera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mozufferpore	Sitamarhi ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mozufferpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hajipore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Paru ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahua ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sinhar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pupri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Chumparun ...	Motihari ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bettiah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bagaha ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Burhurwa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Sarun ...	Gopalgunge ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sewan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chupra ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH BEHAR	Shahabad ...	Buxar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dohree ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bhubooah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sasseram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arrah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohaniah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gya ...	Aurungabad...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gya ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nowadah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jehanabad ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Arwal ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudnagar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheerghati ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajauli ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pakri Barawan.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patna ...	Patna ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinapore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Behar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrh ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bickram ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hilsa ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr ...	Begooserai ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamui ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gogri ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Sheikpura ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Bhagulpore.	Bhagulpore ...	...	...	...	...	...	0·01	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Banka ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kolgong ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Bongaon ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Southal Pergunnahs.	Rajmehal ...	...	...	...	...	...	0·14	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Godda ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pakour ...	...	...	...	...	0·90	0·92	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nya Doomka	...	...	...	...	...	0·35	0·01	...	...	...	...	...	...	...	...	...	...	...	...	...
		Deoghur ...	...	...	...	...	...	0·12	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jamtara ...	...	...	...	...	...	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mohagama ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Nanihat ...	...	...	...	...	...	0·61	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAGPUR.	Hazaribagh ...	Pachamba (*Giridi*).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hazaribagh ...	...	...	...	...	0·08	0·07	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Semtagurah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mahudi Hills	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jhoomrah Hills	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barhi ...	...	...	...	...	...	0·07	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chatra ...	...	...	...	...	...	0·05	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Karagdeha ...	...	...	...	...	...	0·17	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ramghar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lohardugga...	Lohardugga ...	...	...	...	...	0·04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ranchi ...	...	...	...	...	...	0·26	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Palamow ...	...	...	...	...	...	0·06	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Silli ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Balumat ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Hoseinabad...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Garwah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Singbhoom ...	Chyebassa ...	...	...	...	...	...	0·48	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chakradharpore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ghatsila ...	...	...	...	...	...	0·88	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Baharagura...	...	...	...	...	...	0·30	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Manbhoom ...	Purulia ...	...	...	...	...	...	0·43	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gobindpore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raghunathpore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barrabhoom...	...	...	...	...	0·20	0·50	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Jhalda ...	...	...	...	...	...	0·23	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chas ...	...	...	...	...	...	0·19	...	...	...	...	...	...	...	...	...	...	...	...	...	...

ngal for the month of November 1891—*concluded.*

21	22	23	24	25	26	27	28	29	30	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 16th October 1891 to 30th November 1891.	Average rainfall from 16th October to 30th November.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	...	...	...	Nil	0·25	Nil	0·09	Nil	Nil	0·89	Tajpore ...	Durbhunga ...	NORTH BEHAR—*concld.*
...	...	...	...	...	...	...	...	...	...	Nil	0·15	Nil	0·06	Nil	Nil	0·89	Durbhunga.		
...	...	...	...	...	...	...	...	...	...	Nil	0·11	Nil	0·03	Nil	Nil	0·78	Madhubani.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Bahera.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Roshera.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·11	Nil	0·01	Nil	Nil	0·65	Sitamarhi ...	Mozufferpore	
...	...	...	...	...	...	...	...	...	...	Nil	0·42	Nil	0·00	Nil	Nil	1·38	Mozufferpore.		
...	...	...	...	...	...	...	...	...	...	Nil	0·42	Nil	0·14	Nil	0·17	0·86	Hajipore.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Paru.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Mahua.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Sinhar.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Pupri.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·17	Nil	0·02	Nil	Nil	0·39	Motihari ...	Chumparun.	
...	...	...	...	...	...	...	...	...	...	Nil	0·11	Nil	0·01	Nil	Nil	0·24	Bettiah.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Bagaha.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Burhurwa.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·33	Nil	0·13	Nil	0·07	0·25	Gopalgunge ..	Sarun.	
...	...	...	...	...	...	...	...	...	...	Nil	0·15	Nil	0·11	Nil	0·09	1·18	Sewan.		
...	...	...	...	...	...	...	...	...	...	Nil	0·40	Nil	0·29	Nil	Nil	1·13	Chuprah.		
...	...	...	...	...	...	...	...	...	...	Nil	0·35	Nil	0·17	Nil	0·18	1·28	Buxar ...	Shahabad	SOUTH BEHAR.
...	...	...	...	...	...	...	...	...	...	Nil	0·57	Nil	0·25	Nil	Nil	1·18	Dehree.		
...	...	...	...	...	...	...	...	...	...	Nil	0·40	Nil	0·45	Nil	Nil	1·52	Bhubooah.		
...	...	...	...	...	...	...	...	...	...	Nil	0·55	Nil	0·21	Nil	Nil	1·40	Sasseram.		
...	...	...	...	...	...	...	...	...	...	Nil	0·40	Nil	0·15	Nil	Nil	1·01	Arrah.		
...	...	...	...	...	...	...	...	...	...	Nil	?		?		?	?	*Mohaniah.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·47	Nil	0·24	Nil	Nil	0·67	Aurungabad ..	Gya	
...	...	...	...	...	...	...	...	...	...	Nil	0·60	Nil	0·27	Nil	0·73	1·11	Gya.		
...	...	...	...	...	...	...	...	...	...	Nil	0·40	Nil	0·19	Nil	0·07	0·94	Nowadah.		
...	...	...	...	...	...	...	...	...	...	Nil	0·35	Nil	0·25	Nil	Nil	0·92	Jehanabad.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Arwal.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Daudnagar.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	0·26	?	*Sheerghati.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Rajauli.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	0·03	?	*Pakri Barawan.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·35	Nil	0·15	Nil	0·31	1·24	Patna ...	Patna.	
...	...	...	...	...	...	...	...	...	...	Nil	0·39	Nil	0·14	Nil	0·10	1·17	Dinapore.		
...	...	...	...	...	...	...	...	...	...	Nil	0·35	Nil	0·24	Nil	0·06	1·58	Behar.		
...	...	...	...	...	...	...	...	...	...	Nil	0·40	Nil	0·23	Nil	0·13	1·36	Barrh.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Bickram.*		
...	...	...	...	...	...	...	...	...	...	Nil	?		?		0·41	?	*Hilsa.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·40	Nil	0·29	Nil	0·05	1·53	Begooserai ...	Monghyr.	
...	...	...	...	...	...	...	...	...	...	Nil	0·30	Nil	0·14	Nil	Nil	1·39	Monghyr.		
...	...	...	...	...	...	...	...	...	...	Nil	0·45	Nil	0·09	Nil	0·10	0·88	Jamui.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Gogri.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Sheikpura.*		
...	...	...	...	...	...	...	...	...	...	Nil	0·30	0·01	0·27	0·01	0·01	1·15	Bhagulpore ...	South Bhagulpore.	
...	...	...	...	...	...	...	...	...	...	Nil	0·40	Nil	0·13	Nil	0·18	1·54	Banka.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Kolgong.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Bongaon.*		
...	...	...	...	...	...	...	...	...	...	1	0·37	0·14	0·13	0·14	0·14	1·24	Rajmehal ...	Sonthal Pergunnahs.	
...	...	...	...	...	...	...	...	...	...	Nil	0·44	Nil	0·10	Nil	0·08	1·08	Godda.		
...	...	...	...	...	...	...	...	...	...	2	0·50	1·82	0·08	0·02	1·25	1·06	Pakour.		
...	...	...	...	...	...	...	...	...	...	1	0·42	0·36	0·18	0·35	0·38	1·52	Nya Doomka.		
...	...	...	...	...	...	...	...	...	...	1	0·55	0·12	0·16	0·12	0·18	1·91	Deoghur.		
...	...	...	...	...	...	...	...	...	...	1	0·81	0·30	0·29	0·30	0·30	1·12	Jamtara.		
...	...	...	...	...	...	...	...	...	...		?		?			?	*Mohagama.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·61	?	0·61	1·76	?	*Nanihat*		
...	...	...	...	...	...	...	...	...	...	Nil	0·75	Nil	0·22	Nil	Nil	1·24	Pachamba ... (*Giridi*).	Hazaribagh ...	CHUTIA NAGPUR
...	...	...	...	...	...	...	...	...	...	Nil	0·75	0·15	0·26	0·08	0·15	1·12	Hazaribagh.		
...	...	...	...	...	...	...	...	...	...	Nil	1·17	Nil	0·32	Nil	Nil	0·94	Semtagurah.		
...	...	...	...	...	...	...	...	...	...	Nil	1·00	Nil	0·46	Nil	Nil	0·73	Mahudi Hills.		
...	...	...	...	...	...	...	...	...	...	Nil	1·00	Nil	0·48	Nil	0·50	1·17	Jhoomrah Hills		
...	...	...	...	...	...	...	...	...	...	Nil	?	0·07	?	0·07	0·07	?	*Barhi.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	0·05	?	0·05	0·05	?	*Chatra.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·17	?	0·17	0·17	?	*Karagdoha.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	0·15	?	*Ramghar*		
...	...	...	...	...	...	...	...	...	...	Nil	1·17	0·04	0·50	0·04	0·22	1·33	Lohardugga ...	Lohardugga.	
...	...	...	...	...	...	...	...	...	...	1	0·85	0·26	0·49	0·26	0·20	1·28	Ranchi.		
...	...	...	...	...	...	...	...	...	...	Nil	0·75	0·06	0·45	0·06	0·06	1·22	Palamow.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Silli.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Balumat.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Hoseinabad.*		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Garwah.*		
...	...	...	...	...	...	...	...	...	...	1	1·00	0·48	0·24	0·48	0·54	1·50	Chyebassa ...	Singbhoom.	
...	...	...	...	...	...	...	...	...	...		?		?			?	*Chakradharpore.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·88	?	0·88	0·88	?	*Ghatsila.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·30	?	0·30	0·62	?	*Baharagura.*		
...	...	...	...	...	...	...	...	...	...	1	0·90	0·43	0·21	0·43	0·65	1·18	Purulia ...	Manbhoom.	
...	...	...	...	...	...	...	...	...	...	Nil	0·50	Nil	0·15	Nil	0·25	1·18	Gobindpore.		
...	...	...	...	...	...	...	...	...	...	Nil	?	Nil	?	Nil	Nil	?	*Raghunathpore.*		
...	...	...	...	...	...	...	...	...	...	2	?	0·70	?	0·50	0·70	?	*Barrabhoom.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·23	?	0·23	0·23	?	*Jhalda.*		
...	...	...	...	...	...	...	...	...	...	1	?	0·19	?	0·19	0·19	?	*Chas.*		

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS TAKEN IN ASSAM, FOR THE MONTH OF NOVEMBER 1891.

THE main features in the meteorology of November have been—

1. The formation of two very severe cyclones in the neighbourhood of the Andaman Islands. The first originated probably a little to the east of the Andamans on the 1st, then moved north-westwards till it almost reached the Ganjam coast. It then recurved and moved in a northerly direction along and close to the Orissa coast, then it moved in a north-easterly direction, crossing the Sunderbuns to the east of Saugor Island, then travelled through East Bengal into Assam and Upper Burma, where it filled up and disappeared. The second storm originated on the 21st to the west or west-north-west of Diamond Island, and afterwards travelled in a north-easterly or north-north-easterly direction, crossing the Burma coast about midway between Diamond Island and Akyab late on the night of the 23rd or the early morning of the 24th. Both these storms were very severe and caused several disasters at sea and on land.

2. In addition to these two cyclones which caused exceptionally stormy weather in the Bay, diffused disturbances or feeble barometric depressions have also existed in the south of the Bay, usually between the Andamans and Madras coast, for a considerable portion of the month, but beyond giving unsettled weather in the Bay with its accompanying unsettled weather in Bengal, the disturbances did not materially affect the weather and did not develop into storms.

3. The first of the two cyclones gave good general rain of about twice or three times the normal amount to South-West and East Bengal and parts of North Bengal, and exceptionally heavy rain to Orissa, which received nearly five times the usual fall; Chutia Nagpur and South Behar also received showers, but North Behar was quite rainless.

4. Owing to the two cyclones and to the continued periods of disturbance in the Bay, the weather in Bengal has been unsettled for a considerable part of the month, and the usual north-east monsoon or cold weather conditions have only set in very partially.

5. Temperature has therefore been rather largely in excess in all districts of Bengal, except Orissa. The usual excess has been about two to two and a half degrees in South Behar and Chutia Nagpur, and from one to one and a half degrees in South-West, East and North Bengal and North Behar, but in Orissa the excess is less than half a degree. In Assam the mean temperature has been almost normal.

6. Humidity and cloud proportion have also been decidedly in excess of the normal.

7. The variations of pressure during the month have been considerable, but the mean pressure has not been far removed from the normal. Distinct defects amounting to about 0·02" have been recorded in Orissa and the neighbouring parts of South-West Bengal, while on the other hand, at many of the northern stations, slight excess pressures have been recorded, so that for the whole province of Bengal the mean pressure has been almost normal. In Assam also pressure has been very nearly normal.

Meteorological summary of the month.—In the report for October, it was stated that squally whether had formed in the south of the Bay on the last day of that month, but that, though the disturbed weather existed as far north as about 11°N. Lat., there was nothing to show that the conditions were developing or had formed any definite storm. On the 1st of November the changes which took place at the coast stations round the Bay were small. Pressure was falling very slowly only over the whole Bay; light to moderate north-easterly winds were blowing at the stations on the east coast, and north-westerly winds generally at the western stations, while moderate to heavy rain was falling along the Madras coast from Cuddalore southwards. Though the coast stations in no way showed the formation of a barometric depression, it is probable that one was forming, or even had formed, on this day close to the Andaman Islands. It was probably not of much intensity when the meteorological observations were taken on this morning, though it must have developed rapidly during the day, for reports received from Port Blair in the Andamans show that a rather severe cyclone passed over that station during the night of the 1st and on the morning of the 2nd instant, causing a large amount of damage. The wind directions reported from that station indicate that the centre of the storm passed over it between 2 and 3 A.M. of the 2nd, when there was a lull in the storm for about 40 minutes, while the total duration of the storm was about 7 hours. Even at this period it was a very violent storm, and caused much destruction of life and property. As, however, the Andaman Islands are not connected by telegraph with the main land, no information was available from Port Blair as to the formation of the storm. On the morning of the 2nd November the meteorological observations taken at the coast stations round the Bay showed the existence of bad weather. There had been a general, but only moderate, fall of pressure all round the Bay, which was largest at Diamond Island and in the south of the peninsula, and winds at Diamond Island, which had previously been N. N. E. and of light force, at 8 A.M. of the 2nd had become E. N. E. and were strong in force. So far as can be ascertained from the observations at the coast stations, the centre of the storm was to the south-west or west-south-west of Diamond Island, or to the west or west-north-west of the Andamans, on the morning of the 2nd, but probably a long distance (perhaps 300 miles) from land. The observations at the coast stations on this day did not point to the storm being more than of moderate intensity. On the 3rd the storm had distinctly moved in a north-westerly direction, and its centre was probably in the latitude of Nellore

in about 14° N. Lat. and 87° E. Long., and still at a long distance from land. From the 2nd to the 3rd the storm does not appear to have increased in intensity as judged by the observations taken at the coast stations, for though fairly strong winds were blowing at some of the west coast stations, yet in the rear of the storm winds had rapidly decreased in force, and moderate winds only were blowing at Diamond Island, the velocity having decreased from 13 miles an hour reported on the morning of the 2nd to 9 miles reported on the morning of the 3rd instant. From the 3rd to the 4th, however, the storm very rapidly increased in intensity and became a violent cyclone, and wind velocity at Diamond Island on this day showed the increase in intensity of the storm by rising up to 18 miles an hour. The cyclone had also again advanced in a north-westerly direction, and its centre at 8 A.M. of the 4th was probably opposite Vizagapatam, or to the south-east of Gopalpur, and about perhaps 200 miles from land. The storm centre apparently passed close to the coast near Gopalpur on the early morning of the 5th, and the meteorological observer at that station reported that the centre of a cyclone passed over that station between 2 and 5 A.M. of the 5th, though the observation is doubtful and may prove incorrect when the history of the storm is worked out in detail. At this time the cyclone appears to have altered the direction of its advance, and to have taken up a northerly direction. It then advanced slowly close to the coast of Orissa passing near Pooree, and the meteorological observer at Pooree has reported that that station was visited by a heavy cyclone from 10-25 P.M. of the 4th to 1-30 P.M. of the 5th, receiving the very heavy rainfall of 13·61 inches, and that during the storm house-property was seriously damaged and some lives were lost. The storm was very close to False Point on the afternoon of the 5th, and the centre was off that station, but probably very close to land between 4 and 5 P.M. It gave hurricane winds at that station from 9 A.M. to 8 P.M. The direction of the advance of the storm must, however, have again changed at this time, and the storm evidently commenced to recurve towards the north-east. The centre was to the south of Balasore between 8 and 11 P.M. of the 5th, but at a long distance from it, and it passed to the south of Saugor Island about 2 A.M. of the 6th, and also at some distance from the land. At 2-30 A.M. on the 6th the storm centre almost passed over the F. L. V. *Canopus* at the intermediate station, and the reports from that station show that it was one of the most intense cyclones on record. At 8 A.M. of the 6th the storm had again advanced in a north-easterly direction, and its centre was to the south-east of Saugor Island. The centre passed about 80 to 120 miles to the south-east of Calcutta about noon of the 6th, and afterwards a little to the north of Burrisal between 5 and 8 P.M. of the same day; but the rapidity of the north-easterly advance of the storm had at this time greatly increased, and by the morning of the 7th the storm had left Bengal altogether, and was probably in Sylhet or Cachar. It had also rapidly decreased in intensity, and on this day was of little importance. On the 7th any residual low pressure, due to the disintegrated storm, was probably in Upper Assam or Upper Burma, but the storm had then practically ceased to exist.

The lowest pressure during the passage of the storm, of which any record has yet been received from any of the meteorological observatories, was about 28·15 inches at False Point. Observations made on some of the vessels in the north-west angle of the Bay, which were involved in the storm, particularly on board the ship *Lena*, appear to show that a pressure of about 28 inches or even 27·9 inches was experienced.

The cyclone was accompanied by a very complete cyclonic circulation of winds, apparently even from its formation close to the Andamans, and the storm, though by no means so large as many cyclones have been, was attended by extremely fierce and destructive winds which, according to some observers, were as fierce if not more fierce than they have ever previously experienced. One of the highest recorded wind velocities was the average velocity of 59 miles an hour at Pooree, just before the time when the telegraphic communication with that station ceased during the night of the 4th. Judging, however, by the fact that this was only the average hourly velocity for 3 hours, and that this occurred before the full force of the storm reached the station, it is probable that in the squalls and close to the calm centre the velocity of the wind must have run up to at least 80 or 90 or even 100 miles an hour. The strength of the wind is also shown by the number of vessels in the north-west angle of the Bay which were dismasted by the force of the cyclone, and by the damage done in the Andamans at a time when the cyclone could not have attained its full force.

The storm brought up rain to all the districts through which it passed, but on the whole the rainfall was smaller in amount than is usual in large and fierce cyclones. Orissa received a very heavy rainfall, and one station, Pooree, reported 13 61 inches during the storm, while Kendraparah received about 15 7 inches, and so on; but the falls were much smaller in South Bengal than in Orissa, and in Sylhet and Assam the falls had become very light. With the approach of the storm into the north-west of the Bay, the weather conditions in Bengal at once completely changed. Fine settled weather of north-east monsoon character had obtained at the commencement of the month, but from the morning of the 3rd the sky rapidly clouded in the southern districts till it became almost severcast over the whole province, and from the morning of the 4th light rain commenced in Orissa. The rainfall was heavy over the whole of Orissa on the 5th and 6th, and on the latter date rather heavy rain commenced in South Bengal, and moderate rain continued to fall on the 6th and 7th in East Bengal and over the southern districts of North Bengal. Chutia Nagpur and the Sonthal Pergunnahs districts in South Behar also received light-to moderate rain on the 5th and 6th instant. It will thus be seen that the weather conditions in Bengal

for the first seven or eight days of November were entirely controlled by the advance of the cyclone towards the province, and by its subsequent passage through the southern half of it, and one of the beneficial effects of the storm was to give rain to all districts except Behar and part of North Bengal.

Another rather remarkable feature in connection with the cyclone was the rapidity with which the disturbed weather which accompanied it disappeared and was replaced by fine settled weather of the ordinary cold season type. So rapid, indeed, had been this change, that by the morning of the 8th, fine weather with almost cloudless skies was reported from all districts except Assam, and only at one or two stations, such as Sibsagar, Bhogotpur and Gopalpore, was any rain received. The meteorological changes during the next two or three days were not important; and weather remained of ordinary cold weather character up till the 12th, when, however, there were clear indications that another barometric depression had formed in the Bay to the south-west of Diamond Island or to the west of the Andamans, and so far as could be ascertained from the observations made at the coast stations, it was giving squally, unsettled weather over the centre and south of the Bay. Indeed, all the conditions pointed to the possibility of formation of another cyclonic storm. Immediately with the occurrence of the disturbance in the Bay, the sky commenced to cloud over in all districts of Bengal except Behar and part of North Bengal. A few light showers were also reported in East Bengal, principally from the Chittagong district, but the only falls of importance were 0·90 inch at Rangamati and 0·66 inch at Satkanya. Over Bengal generally temperature rose rather rapidly, and humidity also increased largely, while the barometer fell steadily, but not by more than about 0·03 inch to 0·04 inch. On the 13th the depression to the west of the Andamans appeared to have slowly increased in intensity, but its position was unchanged, and on this day it was certainly influencing the weather in Bengal very largely. The sky became heavily clouded in all districts, except Behar, Chutia Nagpur and Orissa; the air became very damp, and numerous showers were reported in parts of East and South-West Bengal, particularly in the Furreedpur, Dacca, Tipperah, Jessore, Khoolna, and Nuddea districts. Temperature also again increased and became above the normal by amounts which were usually between 3° and 5°, while pressure again fell moderately over the whole province.

The depression in the Bay, however, filled up almost entirely on the 14th, and thus weather began rapidly to improve in Bengal, and the sky cleared to a large extent, though still a few local rain-showers fell at some of the stations in East Bengal, and which falls were reported on the morning of the 15th instant. The disturbed conditions in the province, indeed, had so rapidly disappeared, that on the 15th instant at almost all stations the sky had become nearly cloudless, and at the same time humidity decreased and the air became generally fairly dry, so that from this day practically ordinary cold weather or north-east monsoon conditions had again set in over the province. The meteorological changes in Bengal on the next three days were unimportant; but on the 18th, to the east of the centre of the Bay, however, there were distinct indications of the formation of a new depression, and strong easterly winds set in at Diamond Island, pointing to the existence of squally or somewhat stormy weather in the eastern part of the southern half of the Bay. The indications of the existence of this depression were more marked on the morning of the 19th, but the depression did not then concentrate to form a definite storm, for on the 20th and 21st the depression had practically disappeared, though probably squally weather generally obtained in the south of the Bay. The unsettled weather in the Bay as usual affected the weather in Bengal, and pressure fell moderately to rapidly, while temperature rose decidedly. The sky became a little more clouded, and humidity a little higher, but except for a few drops of rain at Cox's Bazar and Darjeeling, the whole province remained rainless.

On the 21st conditions appeared again much less disturbed than they had been, and there were no indications even of the existence of any barometric depression of importance, and still less of the formation of a storm. It is probable, however, that on the morning of this day a storm was gradually developing over the area in the Bay where pressure had been persistently low for several days, for the observations received on the morning of the 22nd indicated very clearly that a cyclonic storm had formed to the west-south-west or south-west of Diamond Island, and apparently not very far away from land, the storm being well on the east side of the Bay. After its formation the storm commenced to move rather rapidly in a north-easterly or north-north-easterly direction. The centre of the cyclone passed to the west of Diamond Island about 5 A.M. of the 23rd, and during the passage of the storm near Diamond Island, even though the centre of the storm was not by any means near the land—for the lowest barometric reading recorded there was not lower than about 29·6 inches—that station reported winds of hurricane force with a tremendous sea, and for part of the night the wind velocity averaged 45 miles an hour. As the storm approached nearer the land, the direction of its advance became more easterly, and during a large part of the 23rd it was advancing in a north-easterly or east-north-easterly direction, and perhaps when it struck the coast on the night of the 23rd or the morning of the 24th it was even travelling in an easterly direction. There are no meteorological observatories on the Burma coast between Diamond Island and Akyab, a distance of about 350 miles; but, so far as can be judged, the storm crossed the coast about midway between the two stations, though in the absence of any neighbouring observatory it is impossible to say the precise point of the coast crossed by the storm, or what the depression of the barometer was near the centre of the storm. From the wind velocities recorded at Diamond Island, which are some of the highest ever registered at that station, it is clear the

storm was a very severe one, and that such was the case is also proved by the experience of various vessels which were involved in the cyclone and which suffered damage from it. Directly, however, the storm passed inland and into the Arakan Hills, it must have commenced to break up rapidly, for at 8 A.M. of the 24th there was very little evidence of the existence of the storm at all, though pressure was still low over Burma, and by the morning of the 25th all trace of the existence of the former fierce cyclone had disappeared. The storm was probably only of small diameter though very fierce; it had also an exceedingly short life history, and the amount of rainfall brought up by it was comparatively small and was mainly confined to Burma.

From the 26th to the 28th of November there was again ample evidence of the existence of a low-pressure area in the south of the Bay, probably between the Andamans and the Madras coast; but this did not develop in any way, although the strong easterly and north-easterly winds which continued to blow at Diamond Island at this time pointed to the existence of squally unsettled weather generally in the south and east of the Bay.

As is usual, the disturbed weather in the Bay reacted on the general weather conditions in Bengal, and again for the last ten days of the month the cold weather conditions were not at all fully developed. During the existence of the storm, but to a smaller extent at the close of the month, the skies were more clouded than usual, the air became damp, and temperature rose and became very much above the normal; pressure also fell for a considerable period, but the storm was too far away to affect the general pressure in Bengal to any material extent. As might be expected, the weather was more affected in the southern and south-eastern districts than elsewhere, and at a few stations in South-East Bengal a few light showers were reported; but these were of little practical importance. Elsewhere the whole province continued rainless up till the close of the month.

Pressure—During the first week was governed by the existence of the cyclone and by its movements, which at the stations near its path as at False Point gave a fall of pressure of nearly two inches. The general average pressure for the first week was, however, only a twentieth of an inch in defect at the stations in the south-west of the province, while at the northern stations the defects were only about half this amount. In the second week the mean pressure was almost normal, but in the third week it was generally below it by from one to three hundredths of an inch. The cyclone in the last week was too far from Bengal to affect the pressure materially, and the mean pressure for this period was only slightly in defect; but the defects were largest at the southern stations, where they equalled from 0·02″ to 0·03″. Therefore the mean pressure for the whole month was in distinct defect by about 0·02″ at the southern stations, particularly in Orissa and the neighbouring parts of South-West Bengal, but at the central stations, pressure was almost normal, and at the northern stations in very slight excess. For the whole province, therefore, the mean pressure for November has been almost normal, and the same has been the case in Assam.

Temperature—In the first week was about 0·6° above the normal: in the second week the excess was 0·8°, while in the third week the excess had increased to one degree. In the fourth week this excess had largely increased and equalled no less than 2·1°. For the whole month the mean temperature in South Behar and Chutia Nagpur has equalled about two to two and-a-half degrees above the normal, while in South-West, East and North Bengal and South Behar the excess has been from one to one and-a-half degrees. The smallest excess has been registered in Orissa, where it has equalled 0·3°. For the whole of Bengal the mean excess has equalled 1·4°. In Assam, on the other hand, the excess has been only 0·1°.

Rainfall.—The rainfall of the month was almost entirely brought up by the action of the cyclone in the first week. The falls in Orissa have averaged no less than six and a quarter inches, or nearly five inches more than usual. In East Bengal the amounts have equalled nearly two inches, or three quarters of an inch more than usual. In South-West Bengal the falls have averaged an inch, or nearly three times the normal, and in North Bengal six-tenths were received or about four times the usual fall. In South Behar and Chutia Nagpur the falls have only equalled about a tenth of an inch, or very decidedly less than usual.

The following table gives in a condensed form the rainfall information for each of the seven large meteorological Divisions of Bengal for the present year up to the close of November. The numbers there given, as in the case of the former months of the year, are the actual average rainfalls in each month in each Division, expressed as a percentage of the normal fall for the period, and the last column also gives the total rainfall up to the end of November expressed as a percentage of the normal amount:—

METEOROLOGICAL DIVISIONS.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	Actual rainfall of first eleven months of 1891 expressed as a percentage of the normal fall for the period.
Orissa	11	167	424	36	134	28	74	189	180	21	452	113
South-West Bengal...	53	193	308	50	170	61	94	84	71	17	297	90
East Bengal ...	2	311	93	130	151	71	100	65	51	32	171	86
North Bengal ...	78	377	239	77	140	53	117	46	37	46	353	77
North Behar ...	171	283	590	19	172	94	83	65	35	39	Nil	79
South Behar ...	253	159	734	30	165	88	85	83	56	45	55	89
Chutia Nagpur ...	163	91	506	30	148	47	97	93	102	18	41	94

These falls have, however, been very unequally distributed. In Orissa, while the Pooree and Cuttack districts received an average fall of about eight inches, Balasore district received less than four. In South-West Bengal, the Saugor Island district received two and a half inches, Jessore, Khoolna, Berhampur, West Burdwan and Beerbhum between one and one and a half inches, and Nuddea, Bankoorah, Burdwan, 24 Pergunnahs, Howrah and Hooghly about half an inch. In East Bengal, Comilla received nearly four and a half inches; Dacca and Chittagong Hill Tracts from two to two and a half inches, and Chittagong, Backergunge, Noakhally, Furreedpur and Mymensingh from one to two inches. In North Bengal the falls were still more irregular; the district of Bogra received more than two inches, Pubna and Rajshahye a little more than an inch, while Maldah, Dinagepur, Rungpur and Darjeeling districts received less than a fifth of an inch, and Julpigoree and Cooch Behar practically no rain at all. The whole of North Behar was rainless. The whole of South Behar was also practically rainless, except in the Sonthal Pergunnahs district, where an average amount of 0·46 inch fell. In Chutia Nagpur, the Hazaribagh, Lohardugga and Manbhoom districts received falls varying up to a fifth of an inch, while in the Singbhoom district the fall equalled half an inch.

In Assam, during the month, Silchar received 2·08 inches, Sibsagar 1·10 inches, and Dhubri only 0·07 inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the month of November 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa	89·2	58·6	85·8	66·2	75·0	+0·3	6 25	1·36	+4·89	2·60	2·12	+0·48	6·44	3 86
South-West Bengal	93·0	57·9	83·9	64·5	74·2	+1·0	0·98	0·33	+0·65	1·48	0·88	+0·60	1·05	2·03
East Bengal	90·7	59·2	83·9	65·8	74·8	+1·3	1·83	1·07	+0·76	2·64	1·35	+1·29	2·40	2·90
North Bengal	88·8	54·9	83·4	61·4	72·4	+1·3	0·60	0·17	+0·43	0·96	0·41	+0·55	0·65	1·50
North Behar	87·8	47·9	84·3	57·7	71·0	+1·0	Nil	0·08	—0·08	0·00	0·25	—0·25	0·02	0·96
South Behar	88·4	53 0	84·3	61·2	72·7	+2·6	0·11	0·20	—0·09	0·25	0·43	—0·18	0·19	1·23
Chutia Nagpur	82·7*	52·9*	78·1*	58·4*	68·3*	+1·9*	0·14	0·34	—0·20	0·27	0·90	—0·63	0·25	1·15
Assam	92·5	53·4	81·9	61·6	71·8	+0·1								

* Chyebassa not included.

Meteorological Office, Bengal ;
The 8th December 1891.

A. Pedler,
Meteorological Reporter to the Govt. of Bengal.

Abstract of the Results of the Barometric and Thermometric Observations taken at 10 a.m. at the Meteorological Office, Chowringhee, in the m onth of November 1891.

	Inches.	Date.
The mean pressure at 10 A.M during the month	29·992	
The mean temperature at 10 A.M. during the month	79·0	
The highest temperature during the month	88·8	3rd
The lowest temperature during the month	60 9	19th
The absolute range of temperature during the month	27 9	
The mean daily range of temperature during the month ...	18 4	
The greatest range of temperature in one day during the month ...	23 0	19th
	%	
The mean 10 A.M. humidity during the month	63	
	Inch.	
The mean 10 A.M. vapour tension during the month	·624	
The total rainfall of the month	0·40	
The greatest fall in 24 hours	0·37	
The number of rainy days in the month	1	

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;
The 7th December 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 29th November to 5th December 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32 Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
November ...	29th ...	30 117	74·5	83 2	17 5	65 7	78 3	69·1	·589	63 6	61	Nil
,, ...	30th ..	·150	71 9	81 9	20 0	61 9	77·6	68·6	·580	63 2	60	,,
December	1st ...	·106	71 4	81 9	21 0	60 9	77 8	67 4	·532	60 7	55	,,
,, ...	2nd .	·107	71·7	81 5	19 6	61 9	71 6	69 7	·347	48 8	40	,,
,, ...	3rd ...	·106	70·4	80 9	21·0	59 9	75 6	61·6	·464	56 8	53	,,
,, ...	4th ...	·089	71 0	80·9	19 8	61 1	76 0	67 6	·564	62·4	62	,,
,, ...	5th ...	·063	70·4	80 9	21 0	59·9	74·6	67·6	·583	63·2	68	,,

	Inches.
The mean 10 A.M. pressure of the seven days	30·105
The mean temperature of the seven days	71 6
The extreme variation of temperature	23 3
The maximum temperature	83 2
	%
The mean 10 A M. relative humidity of the seven days	57
The total fall of rain from 29th November to 5th Decomebr 1891 ...	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 7th December 1891.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	Air pressure: Mean barometric height, 8 A.M.	Air pressure: Mean reduced to sea-level and lat. 45°.	Air pressure: Variation from mean.	Wind: Prevailing direction.	Wind: Mean wind velocity.	Temperature: Highest during week.	Date.	Temperature: Lowest during week.	Date.	Temperature: Mean maximum temperature.	Temperature: Mean minimum temperature of week.	Temperature: Mean daily temperature of week.	Temperature: Variation from normal mean of week.	Temperature: Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	30·077	30·026	·	N & Calm	103	85·2	29th Nov.	67·6	29th Nov. & 1st Dec.	83·5	69·5	76·5	—	73·2
		Gopalpore	30·077	30·038	+·053	NNW	240	84·7	4th Dec.	63·9	29th Nov. & 5th Dec.	83·6	65·9	74·8	+3·3	70·1
		False Point	30·077	30·040	+·035	N	151	81·4	5th "	59·5	5th Dec.	78·9	67·0	73·0	+3·3	70·6
	Cuttack	Cuttack	30·022	30·047	+·042	Calm	28	85·3	1st "	62·3	29th Nov.	84·5	65·3	74·9	+3·3	71·0
	Balasore	Balasore	30·049	30·053	+·037	NNW	68	84·4	30th Nov.	57·6	5th Dec.	82·8	61·3	72·1	+4·8	66·6
South-West Bengal.	South-West Midnapore / South 24-Pergunnahs	Saugor Island	30·073	30·043	+·037	NNE	185	83·2	29th "	62·4	5th "	80·8	63·8	72·4	+2·8	68·0
	Midnapore	Midnapore	29·959	30·060	+·038	N	224	87·3	29th "	58·2	4th "	84·2	61·1	72·7	+4·5	67·4
	24-Pergunnahs / Howrah / Hooghly	Calcutta	30·086	30·053	+·039	Nly	69	83·7	20th "	59·7	1st "	81·1	61·6	71·3	+2·6	66·7
	Burdwan	Burdwan	30·023	30·073	+·046	N & NNW	43	83·3	30th "	59·9	3 & 4 "	82·5	61·5	72·0	+2·9	66·4
	Bankoora	Bankoora	29·785	30·048	+·031	Calm & W	48	82·6	1 & 3 Dec.	57·8	4th "	81·0	60·5	71·2	+3·1	65·7
	Beerbhoom / West Burdwan	Raneegunge	29·780	30·086?	+·037?	NWly	75	83·9	30th Nov.	58·1	4th "	82·4	59·1	70·7	+3·0	65·1
	Moorshedabad	Berhampore	30·042	30·060	+·033	NWly	44	81·6	30th "	61·2	30th Nov.	80·2	62·7	71·5	+3·0	64·5
	Nuddea	Krishnaghur	30·057	30·054	+·044	NNW	71	82·3	29 & 30 "	57·8	2nd Dec.	81·8	60·4	71·2	+3·0	67·0
	Jessore / Khoolna	Jessore	30·060	30·041	+·035	Nly	32	82·7	20th "	59·5	1st "	81·1	61·4	71·2	+1·3	66·8
East Bengal.	Chittagong	Chittagong	29·997	30·034	+·046	Calm	27*	84·2	20th "	61·1	1, 4 & 5 "	83·1	61·9	72·5	+1·4	68·2
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	30·071	30·029	+·035	Calm	32	83·3	20th Nov.	58·6	3rd Dec.	81·3	60·9	71·1	+1·6	69·2
	Noakhally	Noakholly	30·045	30·030	+·056	Variable	46	84·0	20th " & 1st Dec.	58·5	1st "	82·7	59·7	71·2	+2·3	67·9
	Furreedpore	Furreedpore	30·064	30·052	+·059	Calm	36	81·0	20th "	58·0	2nd "	78·0	61·2	69·9	+1·9	67·5
	Dacca	Dacca	30·064	30·034	+·041	Variable	64	83·1	2 & 5 Dec.	59·8	2 & 3 "	82·3	61·3	71·9	+0·9	67·2
	Commillah	Commillah	30·059	30·043	+·053	Calm	12	81·9	30th Nov.	58·9	1st "	80·9	60·8	70·9	+1·7	67·1
	Mymensingh	Mymensingh	30·041	30·051	+·055	NEly	40	80·6	29th Nov. & 1st Dec.	58·1	2nd "	80·1	59·7	69·9	+1·8	66·0
North Bengal.	Bogra	Bogra						Observations incomplete.								
	Pubna	Serajgunge	30·045	30·042	+·039	NE	11	81·2	2nd Dec.	56·9	30th Nov.	80·9	58·5	69·7	+2·3	64·8
	Rajshahye	Ramporo Beauleah.	30·028	30·050	+·047	N	50	80·8	30th Nov.	58·5	2nd Dec.	79·9	59·6	69·8	+3·5	64·8
	Maldah	Maldah*	30·057	30·092	—	NW	83	84·0	29th "	55·9	1st & 5th Dec.*	82·2	57·2	69·8	—	65·1
	Dinagepore	Dinagepore	29·991	30·069	+·039	NEly	75	82·1	5th Dec.	53·4	5th "	81·5	55·2	68·4	+2·4	62·3
	Rungpore	Rungpore	30·001	30·084	+·051	E & ENE	43	81·0	5th "	55·2	2nd "	80·3	55·8	68·1	+2·0	62·2
	Julpigoree / Cooch Behar	Julpigoree	29·828	30·079	+·051	N	54	84·4	29th Nov.	54·1	2nd "	80·6	55·3	68·0	+2·0	63·6
	Darjeeling Hill Tracts	Darjeeling	23·089	—	+·040	Variable	68	54·9	4th Dec.	39·7	29th Nov. & 3rd Dec.	52·5	40·5	46·5	+1·4	45·4
North Behar.	Purneah / North Bhagulpore	Purneah	30·0·1	30·078	+·046	Calm	8	82·2	1st "	49·3	2nd "	81·3	50·8?	66·1?	+0·4?	58·2
	Mozufferpore	Mozufferpore	29·939	30·081	—	Variable	41	?	?	53·3	30th Nov., 1 & 2 Dec.	?	53·7?	?	?	60·5
	Durbhunga	Durbhunga	29·973	30·101	+·046	Variable	38	83·1	29th Nov. & 1st Dec.	55·5	30th Nov. & 1st Dec.	80·7	56·0	68·4	+1·3	61·9
	Chumparun	Motihari	29·889	30·082	+·047	WNW	89	81·2	29, 30 Nov. & 1st Dec.	49·9	30 Nov., 1, 3 & 4 Dec.	80·6	50·5	65·6	+2·3	60·3
	Sarun	Chupra	29·947	30·088	+·072	SWly	41	82·3	30th Nov.	55·1	29th Nov.	80·7	56·1	68·4	+4·5	62·9
South Behar.	Shahabad	Dehree	29·792	30·115	+·060	SWly	107	83·3	29th "	55·0	30th Nov. & 5th Dec.	81·6	56·1	68·9	+4·9	64·6
		Buxar	29·899	30·104	+·046	NWly	56	81·9	29, 30 "	55·4	2nd Dec.	80·6	56·3	68·5	+4·1	65·6
		Arrah	29·939	30·091	+·060	W & NWly	21	83·0	30th "	52·8	29th Nov.	81·2	64·7	73·0	+8·7	62·2
	Gya	Gya	29·758	30·106	+·044	S	141	81·9	30th Nov. & 1st Dec.	55·6	4th Dec.	80·8	57·2	69·0	+3·8	62·9
	Patna	Bankipore	29·962	30·095	+·028	W	43	80·4	1st "	56·3	4th "	78·8	57·4	68·1	+2·9	60·5
	South Bhagulpore / Monghyr	Bhagulpore	29·903	30·082	+·050	Calm	2	81·8	29, 30 Nov. & 1st Dec.	54·0	3rd "	81·3	55·8	68·5	+4·2	65·5
	Sonthal Pergunnahs	Doomka	29·695	30·078	+·046	NW	55	82·1	30th Nov.	56·1	3rd "	80·8	57·7	69·3	+3·9	63·9
Chutia Nagpur.	Hazaribagh	Hazaribagh	28·067	30·084	+·043	Variable	77	76·7	3rd Dec.	54·4	3rd "	75·7	56·9	65·9	+3·3	64·4
	Lohardugga / Manbhoom	Ranchee	27·931	30·065	+·042	Calm	62	76·0	29, 30 Nov. & 3rd Dec.	53·8	4th "	75·2	55·5	65·4	+4·1	64·3
	Singbhoom	Chyebassa	29·335	30·065	+·056	SW	25	83·3	29th Nov.	55·0	5th "	81·8	59·1	70·4	+4·5	69·4

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

'or the week ending Saturday, the 5th of December 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
			Nil	0·26	Nil	0·25	−0·25	8·33	5·78	+2·55	0·00	0·30	Pooree ...	Pooree	Orissa.
70	3·9	Nil											Gopalpore ...		
83	0·6	0·04											False Point ...		
84	6·1	Nil	Nil	0·21	Nil	0·21	−0·21	7·60	3·68	+4·01	0·00	0·26	Cuttack ...	Cuttack	
75	5·0	Nil	Nil	0·09	Nil	0·09	−0·09	3·97	2·48	+1·49	0·00	0·12	Balasore ...	Balasore	
80	0·4	Nil	Nil	0·17	Nil	0·16	−0·16	2·54	3·95	−1·41	0·00	0·18	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
86	1·0	Nil	Nil	0·10	Nil	0·10	−0·10	0·28	1·67	−1·39	0·00	0·11	Midnapore ...	Midnapore	
68	0·7	Nil	Nil	0·15	Nil	0·14	−0·14	0·40	1·60	−1·14	0·00	0·15	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
78	0·1	Nil	0·02	0·10	0·02	0·08	−0·06	0·54	1·52	−0·98	0·00	0·10	Burdwan ...	Burdwan	
65	3·4	Nil	Nil	0·12	Nil	0·12	−0·12	0·56	1·51	−0·95	0·00	0·15	Bankoora ...	Bankoora	
77	1·9	Nil	Nil	0·08	Nil	0·08	−0·08	1·35	1·00	+0·35	0 00	0·13	Ranoogunge ...	Beerbhoom ... ... West Burdwan ...	
71	1·9	Nil	Nil	0·10	Nil	0·10	−0·10	1·34	0·90	+0·44	0·00	0·12	Berhampore ...	Moorshedabad ...	
85	2·1	Nil	0·01	0·08	0·01	0·08	−0·07	0·74	1·54	−0·80	0·00	0·08	Krishnagur ...	Nuddea	
77	3·1	Nil	0·01	0·10	0·01	0·15	−0·14	1·85	2·00	−0·15	0·00	0 12	Jessore ...	Jessore ... ... Khoolna	
86	4·6	0·04	Nil	0·40	Nil	0·34	−0·34	2·81	4·78	−1·97	0·00	0·40	Chittagong ...	Chittagong	East Bengal.
89	4·1	Nil	Nil	0·44	Nil	0·42	−0·42	3·33	4·16	−0·83	0·00	0·40	Domagiri ...	Chittagong Hill Tracts	
			Nil	0·33	Nil	0·28	−0·28	1·34	3·33	−1·99	0·00	0·24	Barrisal ...	Backergunge	
81	0·6	Nil	Nil	0·71	Nil	0·69	−0·60	2·40	4·64	−2·24	0·00	0·30	Noakhally ...	Noakhally	
88	0	Nil	Nil	0·09	Nil	0·09	−0·09	1·94	1·60	+0·30	0·00	0·12	Furreedpore ...	Furreedpore	
91	2·6	Nil	Nil	0·17	Nil	0·17	−0·17	2·47	2·20	+0·27	0·00	0 23	Dacca ...	Dacca	
87	3·3	Nil	Nil	0·30	Nil	0·29	−0·29	5·67	2·28	+3·39	0·00	0 27	Commillah ...	Commillah	
89	3·3	Nil	Nil	0·10	Nil	0·10	−0·10	1·91	1·77	+0·14	0·00	0·16	Mymensingh ...	Mymensingh	
85	1·0	Nil	Nil	0·09	Nil	0·09	−0·09	2·34	1·18	+1·16	0·00	0·12	Bogra ...	Bogra	North Bengal.
		Nil	Nil	0·07	Nil	0·07	−0·07	1·05	1·65	−0·60	0·00	0·13	Serajgunge ...	Pubna	
91	0·7	Nil	Nil	0·10	Nil	0·10	−0·10	1·22	1·02	+0·20	0·00	0·11	Rampore Beauleah	Rajshahye	
81	1·3	Nil	Nil	0·06	Nil	0·06	−0·06	0·14	1·14	−1·00	0·00	0·03	Maldah ...	Maldah	
70	1·1	Nil	Nil	0·00	Nil	0·09	−0·09	0·19	0·67	−0·48	0·00	0·08	Dinagepore ...	Dinagepore	
79	1·0	Nil	Nil	0·02	Nil	0·02	−0·02	0·17	0·98	−0 81	0·00	0·03	Rungpore ...	Rungpore	
88	0	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1·17	−1·17	0·00	0·00	Julpigoree ...	Julpigoree ... ... Cooch Behar	
86	0	Nil	Nil	0·02	Nil	0·01	−0·01	0·71	2·00	−1·29	0·00	0·04	Darjeeling ...	Darjeeling Hill Tracts	
80	2·7	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0·90	−0·99	0·00	0·00	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
84	0	Nil	Nil	Nil	Nil	Nil	Nil	0·06	0·83	−0·77	0·00	0 00	Mozufferpore ...	Mozufferpore	
89	0·4	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0·71	−0·71	0·00	0·00	Durbhunga ...	Durbhunga	
85	0·1	Nil	Nil	0·01	Nil	0·01	0·01	Nil	0·29	−0·29	0·00	0·03	Motihari	Chumparun	
88	0	Nil	Nil	Nil	Nil	Nil	Nil	0·05	0·74	−0·69	0·00	0·00	Chupra ...	Sarun	
85	0·4	Nil											Dohree ...		South Behar.
69	0	Nil	Nil	Nil	Nil	Nil	Nil	0·04	1·12	−1·08	0·00	0·00	Buxar ...	Shahabad	
72	1·3	Nil											Arrah ...		
81	0	Nil	Nil	Nil	Nil	Nil	Nil	0·20	0·77	−0·57	0·00	0·00	Gya ...	Gya	
77	1·7	Nil	Nil	Nil	Nil	Nil	Nil	0·13	1·11	−0·98	0·00	0·00	Bankipore ...	Patna	
68	0·4	Nil	Nil	0·01	Nil	0·01	−0·01	0·07	1·16	−1·09	0·00	0·02	Bhagulpore ...	South Bhagulpore ... Monghyr	
75	0	Nil	Nil	0·05	Nil	0·05	−0·05	0·49	1·11	−0·62	0·00	0·10	Doomka ...	Sonthal Pergunnahs ..	
71	0	Nil	Nil	0·02	Nil	0·02	−0·02	0·15	0·90	−0·75	0·00	0·05	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
66	2·4	Nil	Nil	0·01	Nil	0·01	−0·01	0·18	1·22	−1·04	0·00	0·05	Ranchi ...	Lohardugga	
70	1·4	Nil	Nil	0·06	Nil	0·06	−0·06	0·46	1·06	−0·60	0·00	0·10		Manbhoom	
68	2·0	Nil	Nil	0·10	Nil	0·10	−0·10	0·54	1·48	−0·94	0·00	0·20	Chyebassa ...	Singbhoom	

...ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean
...ten years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisions

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 5th of December 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 29th Nov.	Monday, 30th Nov.	Tuesday, 1st Dec.	Wednesday, 2nd Dec.	Thursday, 3rd Dec.	Friday, 4th Dec.	Saturday, 5th Dec.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	......	......	......	Nil	Nil	0·29	Nil	0·27	15·91	6·81
		Khurdah ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·14	3·74	4·19
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·11	1·77	5·26
		False Point ...	......	......	......	......	......	......	......	Nil	Nil	0·50	Nil	0·48	12·23	6·85
		Gop ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	?	?
		Satpara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·10	?
		P pli	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·98	?
	Cuttack	Jagatsingpore	......	......	......	......	......	......	......	Nil	Nil	0·16	Nil	0·15	12·47	3·93
		Banki ..	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·11	1·17	2·98
		Cuttack ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	4·57	3·78
		Kendrapara ...	......	......	......	......	......	......	......	Nil	Nil	0·30	Nil	0·30	16·72	3·95
		Jajpore ...	......	......	......	......	......	......	......	Nil	Nil	0·38	Nil	0·35	3·24	2·19
		Dharmsala ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	5·33	?
		Salipore ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	8·20	?
	Balasore ..	*Akhyapada* ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·74	?
		Chandbali ...	......	......	......	......	......	......	......	Nil	Nil	0·31	Nil	0·31	11·05	3·06
		Bhuddruck ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·08	5·85	2·00
		Sorah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	3·38	2·53
		Balasore ..	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·13	2·47	3·24
		Jellasore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	0·82	1·11
		Baripodah ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	0·35	1·72
SOUTH-WEST BENGAL.	Midnapore ..	Contai ..	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·19	2·40	4·63
		Saugor Island	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·10	4·44	4·85
		Tumlook ..	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·12	0·35	2·30
		Midnapore ..	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·06	0·18	2·00
		Ghattal ...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·13	0·33	0·73
		Kukrahaty ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·31	?
		Garbetta ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·19	?
	24-Pergunnahs	Diamond Harbour ...	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·12	0·70	2·33
		Canning Town	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·34	?
		Alipore Jail ..	......	......	......	......	......	......	......	Nil	Nil	0·20	Nil	0·20	0·43	2·04
		Barrackpore...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·13	0·28	1·51
		Dum-Dum ...	......	......	......	......	......	......	......	Nil	Nil	0·15	Nil	0·15	0·40	1·70
		Barasat ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·14	0·36	1·09
		Buseerhat ...	......	......	......	......	......	......	......	Nil	Nil	0·18	Nil	0·15	1·18	1·70
	Howrah ..	Howrah ..	......	......	......	......	......	......	......	Nil	Nil	0·15	Nil	0·15	0·27	1·83
		Mohesreka ...	......	......	......	......	......	......	......	Nil	Nil	0·17	Nil	0·17	0·41	1·15
		Oolobersah ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·36	?
	Hooghly ..	Serampore ...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·13	0·41	1·42
		Hooghly ...	......	......	......	......	......	......	......	Nil	Nil	0·17	Nil	0·11	0·33	1·64
		Jehanabad ..	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·30	1·37
	Burdwan ..	Culna ..	0·03	......	......	......	......	......	......	Nil	0·03	0·13	0·03	0·11	0·34	1·57
		Burdwan ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·28	1·54
		Cutwa ..	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	0·98	1·47
		Raneegunge ..	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·04	0·50	1·08
		Mankur ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·55	?
	Bankoora ..	Bankoora ..	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	0·69	1·49
		Bishenpore ...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·12	0·37	1·49
		Maliara ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	0·65	1·15
		Khatra ..	......	......	......	......	......	......	......	Nil	Nil	0·16	Nil	0·16	0·50	1·87
		Indas ...	0·02	......	......	......	......	......	......	Nil	0·02	?	0·02	?	0·48	?
		Kotalpore ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·39	?
		Anda ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·29	?
		Raipore ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·82	?
		Sonamukhi ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·51	?
	Beerbhoom	Bh. Soory ..	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	1·15	1·29
		Hetampore ..	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	1·52	0·63
		Rampore Haut	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·13	1·88	0·94
		Raipore ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·10	?
		Murarai ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·50	?
	Nuddea ..	Ranaghat ..	0·04	......	......	......	......	......	......	Nil	0·04	0·14	0·04	0·14	0·09	1·64
		Kishnaghur ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	1·31	1·15
		Chooadanga ..	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·0[illegible]	0·47	1·94
		Meherpore ..	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	0·30	1·58
		Kooshtea ..	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	1·00	1·57
	Khoolna ..	Satkhira ..	......	......	......	......	......	......	......	Nil	Nil	0·30	Nil	0·18	3·13	2·15
		Bagirhat ..	......	......	......	......	......	......	......	Nil	Nil	0·18	Nil	0·16	2·78	2·10
		Khoolna ..	......	......	......	......	......	......	......	Nil	Nil	0·23	Nil	0·22	3·89	2·24
		Nakipur ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·82	?
		Rampal .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·80	?
	Jessore ...	Narail ..	......	......	......	......	......	......	......	Nil	Nil	0·18	Nil	0·15	2·13	2·29
		Jessore ..	......	0·04	......	......	......	......	......	Nil	0·04	0·14	0·04	0·13	1·43	2·13
		Jhenidah ..	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·11	0·34	1·88
		Magoorah ..	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·11	0·52	1·40
		Bongong ..	......	......	......	......	......	......	......	Nil	Nil	0·23	Nil	0·14	0·50	1·86
	Moorshedabad	Kandi ...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·12	1·20	1·13
		Berhampore ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	1·09	0·92
		Lalbagh ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·14	0·[illegible]6	1·00
		Azimgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	1·86	0·89
		Jungipore ..	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	1·43	0·76
		Lalgola ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	1·60	0·69
		[illegible]gunj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·63	?
		Patkabari ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·10	?
EAST BENGAL	Chittagong	Cox's Bazar ...	......	......	......	......	......	......	......	Nil	Nil	0·19	Nil	0·18	3·97	6·83
		Chittagong ...	......	......	......	......	......	......	......	Nil	Nil	0·61	Nil	0·55	1·63	3·70
		Kutubdia ...										?	Nil	?	3·56	?
		Satkanya ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·70	?
	Chittagong Hill Tracts.	Rangamati ...	......	......	......	......	......	......	......	Nil	Nil	0·44	Nil	0·42	3·33	4·16
		Bundarbun ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·04	?
	Backergunge	Patuakhally...	......	......	......	......	......	......	......	Nil	Nil	0·41	Nil	0·38	0·93	3·72
		Perozepore .	......	......	......	......	......	......	......	Nil	Nil	0·22	Nil	0·19	1·69	2·99
		Burrisal ..	......	......	......	......	......	......	......	Nil	Nil	0·27	Nil	0·20	2·21	3·24
		Bhola ...	......	......	......	......	......	......	......	Nil	Nil	0·42	Nil	0·42	0·53	3·32

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 5th of December 1891—*contd.*

Meteorological division.	District.	Station.	Sunday, 29th Nov.	Monday, 30th Nov.	Tuesday, 1st Dec.	Wednesday, 2nd Dec.	Thursday, 3rd Dec.	Friday, 4th Dec.	Saturday, 5th Dec.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
EAST BENGAL—*concld.*		*Gournaddi* ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·01	?
		Bauphal ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·56	?
	Noakholly ...	Noakholly .	......	......	......	......	......	......	......	Nil	Nil	0·53	Nil	0·48	2·71	3·96
		Fenny ..	......	......	......	......	......	......	......	Nil	Nil	0·89	Nil	0·89	2·09	5·32
		Harishpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·47	?
		Ramganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·39	?
	Furreedpore	Madaripore ..	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·13	4·24	1·60
		Furreedpore ..	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	1·07	1·54
		Goalundo .	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·53	1·64
	Dacca ...	Munshigunge	......	......	......	......	......	......	......	Nil	Nil	0·26	Nil	0·26	3·78	2·50
		Dacca ..	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	1·96	1·47
		Naraingunge	......	......	......	......	......	......	......	Nil	Nil	0·26	Nil	0·26	3·34	3·28
		Manickgunge	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	0·82	1·49
		Joydebpore ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·95	?
	Hill Tipperah	Agartola ..	......	......	......	......	......	......	......	Nil	Nil	0·32	Nil	0·29	7·40	3·12
	Tipperah ...	Comilla ...	......	......	......	......	......	......	......	Nil	Nil	0·37	Nil	0·37	6·42	2·27
		Chandpore ...	......	......	......	......	......	......	......	Nil	Nil	0·31	Nil	0·31	4·45	1·70
		Brahmunberia	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·19	4·59	2·02
		Ramchandrapore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·42	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·55	?
		Daudkandi ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·17	?
		Kasba ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	7·44	?
		Laksham ..	......	......	......	......	......	......	.	Nil	Nil	?	Nil	?	2·05	?
	Mymensingh ..	Kishoregunge	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·10	1·67	1·52
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·63	1·58
		Mymensingh	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	2·57	1·75
		Jamalpore ...	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·10	3·00	1·40
		Netrokona ...	......	......	......	......	......	......	......	Nil	Nil	0·17	Nil	0·17	1·71	2·48
		Subornakhally	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·10	?
		Durgapore ...	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
		Sherepore Town	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·08	?
		Dewanganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·84	?
NORTH BENGAL.	Pubna ...	Pubna ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	0·99	1·59
		Serajgunge ..	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	1·09	1·66
	Bogra ...	Sherepore ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·11	2·64	1·48
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	2·07	1·37
		Bogra ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	3·60	1·84
		Panchbibi ..	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·11	0·45	0·55
	Rajshahye ...	Beauleah ..	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·31	1·05
		Nattore ..	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	1·41	1·23
		Naogaon ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·14	1·90	0·75
		Lalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·07	?
		Mande .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·00	?
	Maldah ...	Maldah ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·11	0·26	1·47
		Chanchal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	0·02	0·76
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	?
		Sibganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·03	?
	Dinagepore ...	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·10	0·70	0·40
		Churamon ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·08	0·34
		Raigunge ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	Nil	0·25
		Dinagepore ..	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·03	Nil	1·85
		Baloorghat .	......	......	......	......	......	......	......	Nil	Nil	0·22	Nil	0·22	0·17	0·52
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Rungpore ...	Buswanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	0·54	1·17
		Rungpore ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·02	0·09	1·52
		Kurigram ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	0·06	0·75
		Bagdogra (*Nilphamari*)	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	Nil	0·40
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·48	?
	Julpigoree ...	Julpigoree ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	2·16
		Alipore Dooar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Debiganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bhagatpore (Nagrakatta)	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·41	?
	Cooch Behar.	Dinhatta ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·87
		Cooch Behar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	1·12
		Mickilgunge ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·67
		Matabhanga ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·79
	Darjeeling Hill.	Buxa ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·02	2·30	3·20
		Silliguri ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·68
		Darjeeling ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·03	0·07	3·48
		Kalimpong ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	0·47	0·55
		Kurseong ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
NORTH BEHAR	Purneah ...	Kissengunge...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	Nil	0·99
		Arrareah ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·83
		Purneah ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·01	Nil	1·48
		Gondwara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Barsoe ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Matiari ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Kaliaganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddapore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·86
		Soopool ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·78
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Durbhunga ...	Tajpore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·74
		Durbhunga ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·72
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·69
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Roshera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	0·40
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	Nil	1·30
		Hajipore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	Nil	0·17	0·69
		Para ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Mahua ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Siuhar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pupri ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 5th of December 1891,—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 29th Nov.	Monday, 30th Nov.	Tuesday, 1st Dec.	Wednesday, 2nd Dec.	Thursday, 3rd Dec.	Friday, 4th Dec.	Saturday, 5th Dec.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
NORTH BEHAR —*concluded.*	Chumparun ...	Motihari	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·01	Nil	0·33
		Bettiah	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·23
		Bagaha	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Sarun ...	Gopalgunge ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·07	0·20
		Sewan	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·09	1·05
		Chuprah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·98
SOUTH BEHAR	Shahabad	Buxar	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·18	1·11
		Dehree	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·93
		Bhaboosh ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	1·44
		Sasseram ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	1·26
		Arrah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·85
		Mohaniah	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Gya .	Aurungabad	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·51
		Gya ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·73	0·96
		Nowadah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·07	0·81
		Johanabad ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	0·78
		Arwal	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Daudnagar .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sherghatti .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·26	?
		Rajauli	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		PakriBarawan	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·03	?
	Patna ..	Patna ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·21	1·07
		Dinapore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·10	1·05
		Behar ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·06	1·18
		Barrh ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·13	1·15
		Bickram ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Hilsa	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·41	?
	Monghyr ...	Begooserai ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·05	1·39
		Monghyr	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	Nil	1·26
		Jamui .	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·10	0·80
		Gogri ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	.	Nil	?
		Sheikpura .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore	Bhagulpore ..	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·02	0·01	1·02
		Banka	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·01	0·18	1·29
		Kolgong ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Bongaon .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	0·14	1·02
		Godua ..	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·05	0·08	0·85
		Pakour	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·06	1·85	0·96
		Nya Doomka	...	...	...	...	...	...	...	Nil	Nil	0·07	Nil	0·07	0·38	1·06
		Deoghur	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·02	0·18	1·68
		Jamtara ...	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·06	0·30	1·16
		Mohagama	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?		?
		Nanihat .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·76	?
CHUTIA NAGPUR.	Hazaribagh ..	Pachamba (*Giridi*) ...	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·02	Nil	1·02
		Hazaribagh	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·02	0·15	1·01
		Semtaguran	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·01	Nil	0·69
		Mahudi Hills	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	Nil	0·70
		Jhoomra Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·50	0·98
		Barhi .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	.	0·07	
		Chatra .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·05	?
		Karagdeha .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·17	?
		Ramghur .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	.	0·15	?
	Lohardugga ...	Lohardugga ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·22	1·31
		Ranchi ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	0·26	1·21
		Palamow	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	Nil	0·06	1·17
		Silli	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Balumat	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Hosseinabad	...	...	...	...	...	...	...	Nil	Nil	?	Nil	.	Nil	?
		Garwah	...	...	...	...	...	...	...	Nil	Nil	?	Nil	.	Nil	?
	Singbhoom	Chyebassa ..	...	...	...	...	...	...	...	Nil	Nil	0·10	Nil	0·10	0·54	1·48
		Chakradharpore.										?		?		?
		Ghatsilla .	...	...	...	...	...	...	...	Nil	Nil	.	Nil	?	0·89	?
		Baharagura	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·62	?
	Manbhoom ..	Purulia ...	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·08	0·65	1·05
		Gobindpore	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·04	0·25	1·06
		Raghunathpore.	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Barrabhoom	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·70	?
		Jhalda ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·23	?
		Gaus	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·19	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 8th December* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY, THE 5TH OF DECEMBER 1891.

DURING the first half of the previous week a cyclone had formed in the Bay and had advanced in a north-easterly direction, crossing the Burma coast between Diamond Island and Akyab. Even after the disappearance of the cyclone there was a feeble area of disturbance to the south of the centre of the Bay, which continued to exist up to the close of the week These disturbed conditions were again present on the 29th, or the first day of the present week, but from the 30th they rather rapidly disappeared, and on the 1st conditions became more normal, and weather became more settled.

As usual during the existence of any disturbance in the Bay, weather in Bengal at the commencement of the week was rather abnormal Temperature on the 29th was unusually high for the season, the excess in the mean temperature at some stations ranging up to five and six degrees, while humidity and cloud proportion were also higher than usual, and at one or two stations a few drops of rain were reported. Pressure, however, was still falling by very small amounts on the 28th, but on the 30th it rose by moderate amounts, and this increase caused pressure to be rather largely in excess of the normal. A moderate fall then set in on the 1st of December which continued on the 2nd, but on the 3rd pressure was again rising, though it fell again on the 4th and 5th; but the changes were so small that even up to the close of the week pressure was still very slightly in excess of the normal. These changes for the second half of the week were indeed only of the usual oscillatory character accompanying fine weather, though undoubtedly the tendency of the changes was to produce a lower pressure. Temperature also has been generally falling very slowly during the week, and even at its close the mean temperature was usually above the normal by an average amount of from 2° to 4°. Wind directions have been fairly normal, and a light northerly and north-westerly current has blown over the whole province. Cloud proportion has been generally decidedly higher than usual, particularly in the southern districts, while humidity has also been moderately large; but except for two or three light showers of absolutely no importance, which occurred in South-West Bengal at the beginning of the week, rainfall has been absent from the province. It will therefore be seen that again the week has been one in which the usual cold season conditions have only been feebly developed.

Pressure.—The mean pressure for the week has been rather largely above the normal, the usual excess equalling from 0·04° to 0·06°. This excess has been smallest in South-West Bengal and Orissa and largest in North Bengal and Behar.

Temperature.—The mean temperature has been from about 2° to nearly 5° in excess of the normal in the different divisions of the province, the largest excess being in South Behar, where it has equalled 4·6°. For the whole province the mean temperature has been three degrees above the normal.

The distribution of temperature during the week and its variation from the normal are best seen in the table below, where the average maximum, minimum and mean temperature for the week at nine typical stations in different districts of the province are compared with their normal values for the same period. The excess temperatures, it will be seen, have been fairly equally distributed during both the day and night:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 5th December 1891.

	Normal mean maximum temperature for the week ending 5th December.	Actual mean maximum temperature for the week ending 5th December 1891.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 5th December.	Actual mean minimum temperature for the week ending 5th December 1891	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 5th December.	Actual mean daily temperature for the week ending 5th December 1891.	Variation of actual mean from the normal.
Cuttack	83·3	84·5	+1·2	60·0	65·3	+5·3	71·7	74·9	+3·2
Calcutta	78·2	81·1	+2·9	59·4	61·6	+2·2	68·8	71·3	+2·5
Dacca	81·5	82·3	+0·8	60·2	61·3	+1·1	70·9	71·9	+1·0
Burdwan	79·9	82·5	+2·6	58·4	61·5	+3·1	69·2	72·0	+2·8
Patna	76·9	78·8	+1·9	53·5	57·4	+3·9	65·2	68·1	+2·9
Gya	77·8	80·8	+3·0	52·6	57·2	+4·6	65·2	69·0	+3·8
Purneah	78·6	81·3	+2·7	52·7	50·8?	—1·9?	65·7	66·1?	+0·4?
Hazaribagh	72·9	75·7	+2·8	52·3	56·0	+3·7	62·6	65·9	+3·3
Darjeeling	51·7	52·5	+0·8	38·3	40·5	+2·2	45·0	46·5	+1·5

Rainfall—Has been practically entirely absent from the whole province for the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 5th of December 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	85·3	57·6	82·7	65·8	74·3	+3·7	Nil	0·18	—0·18	0·00	0 22	—0·22	Nil	0·18	6·44	3·76
South-West Bengal ...	87·3	57·8	81·8	61·3	71·6	+2·9	Nil	0·13	—0·13	0·00	0·14	—0·14	Nil	0·12	1·05	1·67
East Bengal	84·2	58·0	81·3	60·8	71·1	+1·7	Nil	0·27	—0 27	0·00	0·25	—0·25	Nil	0·26	2·40	2·70
North Bengal	84·4	53·4	80·9	56·9	69·8	+2·4	Nil	0·06	—0·06	0 00	0·06	—0·06	Nil	0·06	0·65	1·06
North Behar	83·1	49·3	80 8	53·4	67·1	+2·1	Nil	Nil	Nil	0·00	0·00	—0·00	Nil	Nil	0·02	0·77
South Behar	83·3	52·8	80·7	57·9	69·3	+4·6	Nil	0·01	—0·01	0·00	0·03	—0·03	Nil	0·01	0·19	1·05
Chutia Nagpur	76·7*	53·8*	75·5*	55·6*	65·7*	+3·7*	Nil	0·03	—0·03	0·00	0·06	—0·06	Nil	0·03	0·25	1·06

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 8th December 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 29th November to 5th December 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Nov.	29th	134·7	9·1	30·042	73·1	81·9	16·9	65·0	67·2	0·590	61·6	74	N E by E and N by E.	73	Nil	Chiefly clear, ⌓.
,,	30th	137·7	8·7	·073	70·7	81·0	19·3	61·7	64·6	·528	60·4	72	NNE and N by W	67	,,	Chiefly clear, ⌓.
Dec.	1st	135·3	8·9	·036	69·5	80·8	21·2	59·6	63·2	·497	58·8	71	N by W and N ...	55	,,	Chiefly clear, ⌓.
,,	2nd	137·3	8·6	·031	69·6	80·7	20·0	60·7	63·0	·490	58·4	69	N and N by W ...	67	,,	Chiefly clear, ⌓.
,,	3rd	137·5	8·8	·028	69·5	80·6	20·6	60·0	62·9	·487	58·2	69	N by W and N ...	79	,,	Chiefly clear, ⌓.
,,	4th	138·5	7·6	·008	69·6	79·5	17·4	62·1	62·8	·482	57·9	67	N and NNW ...	67	,,	Partially cloudy, ⌓.
,,	5th	134·7	6·2	29·992	69·1	80·2	19·0	61·2	63·6	·516	59·8	73	NNW and N by E	64	,,	Partially cloudy, ⌓.

	Inches.
The mean pressure of the seven days	30·030
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	30·012
	Hours.
The total number of hours of bright sunshine	57·9
The maximum possible number of hours of sunshine	75·7
	°
The mean temperature of the seven days	70·2
The average temperature of the corresponding period for 24 years, S.-G.'s Office	70·5
The extreme variation of temperature	22·3
The maximum temperature	81·9
	Miles.
The highest velocity of the wind in one hour	9
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	71
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	71
	Inches.
The total fall of rain from 29th November to 5th December 1891 ...	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·04
The total fall from 1st January to 5th December 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	65·19

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

⌓ ; dew.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 7th December 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 14th November 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the preceding week.	Male.	Female.	Male.	Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan	Burdwan	18,063	16,017	34,080	6	8	*14*	9·2	12·2	*21·4*	75	...	..	9	8	1	2	*20*	...	..	13·7	12·2	1·5	3·1	*30·5*	51·9	8	12	23·0	39·0	59
	Raniganj	6,246	4,691	10,937	5	4	*9*	23·7	19·0	*42·8*	125	3	.	5	2	...	...	*10*	14·3	..	23·7	9·5	...	...	*47·5*	76·1	8	2	66·6	22·2	300
Bankura	Bankura	8,970	8,925	17,895	7	12	*19*	20·3	34·9	*55·2*	58	...	..	9	1	1	1	*12*	...	..	26·2	2·9	2·9	2·9	*34·9*	23·2	7	5	40·6	29·1	139
Birbhum	Souri	3,962	3,586	7,548	1	2	*3*	6·6	13·2	*19·9*	50	..	..	2	...	...	2	*4*	...	..	13·2	...	...	13·2	*26·5*	6·6	...	4	...	53·0	No male death.
Midnapore	Midnapore	16,927	16,633	33,560	8	12	*20*	12·4	18·5	*31·0*	66	...	...	5	4	...	13	*22*	...	...	7·7	6·2	...	20·1	*34·1*	40·3	14	8	43·0	25·0	172
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	6	7	*13*	9·8	11·5	*21·3*	85	3	...	39	9	...	8	*59*	4·9	..	64·0	14·8	...	13·1	*96·8*	50·9	31	28	101·6	92·0	110
	Serampore	13,559	12,937	26,496	3	9	*12*	5·9	17·7	*23·6*	33	23	...	16	17	...	13	*69*	45·1	...	31·4	33·4	...	25·5	*135·4*	119·7	39	30	149·8	120·6	124
	Utterpara	3,046	2,464	5,510	...	3	*3*	...	28·3	*28·3*	No male birth.	5	.	1	5	...	1	*12*	47·2	...	9·4	47·2	...	9·4	*113·2*	103·8	9	3	153·6	63·3	243
Howrah	Howrah	53,153	37,660	90,813	24	14	*38*	13·7	8·0	*21·8*	171	13	...	15	14	1	13	*56*	7·4	...	8·6	8·0	·6	7·4	*32·1*	32·6	32	24	31·3	33·1	94
	Bali	7,836	6,979	14,815	4	6	*10*	14·0	21·1	*35·1*	66	3	.	3	...	...	4	*10*	10·5	.	19·5	...	...	14·0	*35·1*	56·2	3	7	19·9	52·2	38
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	2	3	*5*	4·0	5·9	*9·9*	66	10	1	22	3	...	5	*41*	19·8	2·0	43·5	5·9	...	9·9	*81·1*	120·6	23	18	74·4	91·6	81
	Manicktolla	16,536	12,112	28,648	2	8	*10*	3·6	14·5	*18·2*	25	3	..	5	1	...	4	*13*	5·4	..	9·1	1·8	...	7·3	*23·6*	21·8	10	3	31·4	12·9	243
	Baranagore	15,930	14,032	29,962	7	5	*12*	12·1	8·7	*20·8*	140	7	..	10	...	...	4	*21*	12·1	...	17·3	..	...	6·9	*36·4*	43·4	13	8	42·5	29·6	143
	South Suburban	26,400	25,258	51,658	5	6	*11*	5·0	6·0	*11·1*	83	6	..	8	..	..	3	*17*	6·0		8·0	..	...	3·0	*17·1*	23·1	8	9	15·8	16·5	85
Nuddea	Krishnagar	13,263	14,214	27,477	5	4	*9*	9·5	7·5	*17·0*	125	1	.	13	...	...	3	*17*	1·9	...	24·6	...	...	5·7	*32·2*	18·9	8	9	31·4	32·9	95
	Ranaghat	4,028	4,655	8,683	1	1	*2*	6·0	6·0	*12·0*	100	1		4	...	...	1	*6*	6·0	..	23·9	...	...	6·0	*35·9*	12·0	4	2	51·6	22·3	231
	Santipore	13,708	15,979	29,687	3	2	*5*	5·3	3·5	*8·8*	150	...		7	1	..	1	*9*	...	...	12·3	1·7	...	1·7	*15·8*	19·3	4	5	15·2	16·3	93
Jessore	Jessore	4,830	3,666	8,496	4	...	*4*	24·5	...	*24·5*	No female birth.	...	..	9	1	1	1	*12*	...	..	55·1	6·1	6·1	6·1	*73·5*	30·6	8	4	86·1	56·8	152
Murshedabad	Berhampore	11,657	11,948	23,605	9	15	*24*	19·8	33·0	*52·9*	60	11	.	10	2	...	12	*35*	24·2	...	22·0	4·4	...	26·4	*77·1*	94·7	19	16	84·8	69·6	122
	City Murshedabad	18,901	20,330	39,231	11	9	*20*	14·6	11·9	*26·5*	122	5	.	23	3	...	8	*39*	6·6		30·5	4·0	...	10·6	*51·7*	11·9	18	21	49·5	53·7	92
Khulna	Khulna	3,249	3,043	6,292	1	4	*5*	8·2	33·0	*41·3*	25	...		11	..	...	...	*11*	...	.	90·9	...	...	...	*90·9*	41·3	6	5	96·0	85·4	112
Dinajpore	Dinajpore	7,254	5,306	12,560	4	2	*6*	16·5	8·3	*24·8*	200	...	..	5	...	...	6	*11*	...	..	20·7	...	...	24·8	*45·5*	45·5	3	8	21·5	78·4	27

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	5	5	*10*	13·1	13·1	*26·3*	100	4	...	23	4	...	2	*33*	10·5	...	68·4	10·5	...	5·3	*36·7*	86·7	18	20	68·8	115·2	54
Rungpore ...	Rungpore	8,011	5,309	13,320	2	10	*12*	7·8	39·0	*46·8*	20	...	...	14	...	...	1	15	...	...	54·7	...	...	3·9	*58·6*	73·1	6	9	38·9	88·2	44
Bogra ...	Bogra	3,480	2,699	6,179	1	2	*3*	8·4	16·8	*25·2*	50	...	...	5	2	1	1	*9*	...	...	42·1	16·8	8·4	8·4	*75·7*	58·9	5	4	74·7	77·1	97
Pubna ...	Pubna	7,701	7,566	15,267	9	8	*17*	30·7	27·2	*57·9*	112	9	...	12	1	...	9	*31*	30·7	...	46·8	3·4	...	30·7	*105·6*	30·7	22	9	148·6	61·9	240
	Serajganj	11,213	9,824	21,037	7	2	*9*	17·3	4·9	*22·2*	350	10	..	5	9	...	1	*25*	24·7	...	12·4	22·2	...	2·5	*61·8*	27·2	20	5	92·7	26·5	360
Darjeeling ...	Darjeeling ...	4,579	2,439	7,018	1	...	*1*	7·4	...	*7·4*	No female birth.	...	.	2	..	...	...	*2*	...	...	14·8	...	...	...	*14·8*	51·9	1	1	11·4	21·3	53
Julpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	4	3	*7*	26·2	19·6	*45·8*	133	...	...	6	1	...	2	*9*	...	...	30·3	6·5	...	13·1	*58·9*	124·3	6	3	62·8	52·4	120
Dacca ...	Dacca	42,782	37,379	80,161	24	24	*48*	15·5	15·5	*31·1*	100	4	.	17	9	...	14	*44*	2·6	..	11·0	5·8	...	9·1	*28·5*	34·1	34	10	41·3	13·9	297
	Narainganj ...	7,605	4,956	12,561	6	8	*14*	24·8	33·1	*58·0*	75	2		5	3	...	3	*13*	8·3	.	20·7	12·4	...	12·4	*53·8*	66·2	5	8	34·2	83·9	41
Faridpore ...	Faridpore	5,663	4,600	10,263	...	...	...	...	...	...	...	...	...	4	1	1	...	*6*	..	..	29·3	5·0	5·0	...	*30·4*	45·5	3	3	37·5	33·9	81
Backerganj ...	Barisal	8,701	4,485	13,186	2	1	*3*	7·9	3·9	*11·8*	200	...	...	2	...	...	...	*2*	...		7·9	..	...	..	*7·9*	11·8	2	...	12·0	...	No female death.
Mymensing ...	Nasirabad ...	10,443	4,413	14,856	2	...	*2*	7·0	...	*7·0*	No female birth.	...	...	...	1	...	1	*2*	..	...	...	3·5	...	3·5	*7·0*	17·3	2	...	10·0	...	No female death.
Chittagong ...	Chittagong ...	13,340	8,790	22,130	3	1	*4*	7·0	2·3	*9·4*	300	1	...	2	1	...	...	*4*	2·3	...	4·7	2·3	...	..	*9·4*	7·0	3	1	11·7	5·9	198
Noakhali ...	Sudharam ...	3,410	1,714	5,124	...	1	*1*	...	10·1	*10·1*	No male birth.	...	...	...	...	.	...	...	...	..	...	...	...	...	...	20·2	...	...	...	...	...
Tipperah ...	Comillah	8,153	5,353	13,506	5	3	*8*	19·3	11·5	*30·8*	166	...		10	...	...	2	*12*	..	.	38·5	...	...	7·7	*46·2*	19·3	6	6	38·3	58·3	66
Patna ...	Patna City ...	78,762	81,475	160,237	35	28	*63*	11·3	9·1	*20·4*	125	16	...	20	3	...	20	*68*	5·2	..	9·4	1·0	...	6·3	*22·1*	22·4	35	33	23·1	21·1	109
	Behar	23,799	25,172	48,971	18	12	*30*	15·1	12·7	*31·9*	150	...	..	14	2	...	3	*19*	..	...	14·9	2·1	...	3·2	*20·2*	23·4	6	13	13·1	26·9	48
Gya ...	Gya	38,290	37,831	76,121	30	22	*52*	20·5	15·0	*35·5*	13[illegible]	...	...	42	4	2	25	*73*	...	..	28·7	2·7	1·4	17·1	*49·9*	40·9	39	34	53·0	46·7	113
Shahabad ...	Arrah	20,960	22,505	43,465	6	5	*11*	7·2	6·0	*13·2*	120	...	..	7	1	...	...	*8*	...	..	8·4	1·2	...	...	*9·6*	15·2	2	6	6·0	13·9	36
	Buxar	9,299	8,369	17,668	3	2	*5*	5·8	5·9	*14·7*	150	...	..	3	...	...	2	*5*	...	...	8·8	...	...	5·9	*14·7*	17·7	...	5	...	31·1	No male death.
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	14	13	*27*	17·0	15·8	*32·8*	107	...	...	5	2	...	6	*13*	...	...	6·1	2·4	...	7·3	*15·8*	24·3	8	5	18·0	13·2	136
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	23	22	*45*	18·1	17·3	*35·4*	104	1	1	23	3	...	10	*38*	·8	·8	18·1	2·3	...	7·9	*29·9*	33·0	17	21	26·2	33·8	77
Sarun ...	Chupra	25,116	26,554	51,670	21	17	*38*	21·1	17·1	*38·2*	123	...	..	6	7	2	17	*32*	...	...	6·0	7·0	2·0	17·1	*32·2*	27·2	20	12	41·4	23·5	176
Chumparun ...	Motihari	6,325	3,979	10,307	4	2	*6*	20·2	10·1	*30·3*	200	...	...	4	...	...	5	*9*	...	.	20·2	...	...	25·2	*45·4*	40·4	6	3	49·3	39·2	125
Monghyr ...	Monghyr	28,154	29,366	57,520	23	21	*44*	20·6	19·0	*39·8*	110	13	.	19	3	...	12	*47*	11·8	.	17·2	2·7	...	10·8	*42·5*	47·0	23	19	51·7	33·6	153
	Jamalpore ..	7,456	6,107	13,563	8	4	*12*	30·7	15·3	*46·0*	200	1	...	7	1	...	4	*13*	3·8	..	26·8	3·8	...	15·3	*49·8*	69·0	6	7	41·8	59·6	70
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	13	13	*26*	9·9	9·9	*19·8*	100	3		29	4	1	10	*47*	2·3	...	22·1	3·0	·8	7·6	*35·8*	29·0	27	20	40·2	31·2	126
Purneah ...	Purneah	8,463	6,553	15,016	3	1	*4*	10·4	3·5	*13·9*	300	...	.	7	1	...	.	*8*	...	.	24·2	3·5	..	...	*27·7*	20·8	6	2	36·9	15·9	232
Maldah ...	English Bazar ...	6,289	6,141	12,430	4	3	*7*	16·7	12·6	*29·3*	133	25	.	13	3	...	1	*42*	104·6	...	54·3	12·6	...	4·2	*175·7*	171·5	28	14	231·5	115·5	196
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	1	...	*1*	6·5	...	*6·5*	No female birth.	1	...	3	...	...	3	*7*	6·5	..	19·5	...	...	19·5	*45·5*	45·5	5	2	52·4	34·2	158
Cuttack ...	Cuttack	22,632	20,607	43,239	14	5	*19*	16·8	6·0	*22·8*	280	3	...	9	...	...	8	*20*	3·6	...	10·8	...	...	9·6	*24·1*	26·5	8	12	15·4	30·3	69
Poori ...	Poori	13,247	11,537	24,784	7	5	*12*	14·7	10·5	*25·2*	140	12	...	19	16	4	13	*64*	25·2	.	33·9	33·6	8·4	27·2	*134·3*	56·6	36	25	141·3	126·2	112
Balasore ...	Balasore	10,282	9,983	20,265	2	3	*5*	5·1	7·7	*12·8*	66	...	...	2	..	...	1	*3*	...	...	5·1	...	...	2·6	*7·7*	12·8	2	1	10·1	5·2	194
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	4	2	*6*	13·6	6·8	*20·4*	200	...	.	3	...	...	2	*5*	...	..	10·2	...	...	6·8	*17·0*	37·4	4	1	27·2	6·8	400
Lohardugga ...	Ranchi	10,101	8,342	18,443	6	2	*8*	10·9	5·6	*22·6*	300	...	.	2	1	...	2	*5*	...	...	5·6	2·8	...	5·6	*14·1*	22·6	5	..	25·7	...	No female death.
Singbhum ...	Chaibassa	3,126	2,880	6,006	..	1	*1*	...	8·7	*8·7*	No male birth.	...		...	...	...	1	*1*	...	..	..	...	..	8·7	*8·7*	34·6	...	1		18·1	No male death.
Manbhum ...	Purulia	5,060	4,244	9,304	1	4	*5*	5·6	22·3	*27·9*	2[illegible]	1	..	3	1	...	2	*7*	5·6	..	16·8	5·6	...	11·1	*39·1*	22·3	4	3	41·1	36·8	111
	Total ...	872,026	785,969	1,657,995	429	391	*820*	13·4	12·3	*25·7*	109	2·0	2	587	155	15	288	*1,247*	6·3	·1	18·4	4·8	·5	9·0	*39·1*	37·5	695	552	41·4	·5	113

		13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
DISTRICTS.	NAMES OF MUNICIPALITIES.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	17	3	...	...	...	37·3	15·2	...	...	2	1	1	1	2	4	2	2	2	3	157·6	23·0	22·3	20·7	33·3	26·3	15·1	23·5	42·4	105·3
	Raniganj	...	8	2	...	...	...	46·6	56·5	...	...	...	1	...	1	1	1	1	2	1	2	...	52·8	...	57·1	63·6	21·5	24·2	83·1	86·1	249·4
Bankura ...	Bankura	...	11	1	...	...	...	33·7	60·5	...	...	2	1	2	...	1	1	1	...	2	2	219·9	27·2	46·1	...	33·0	15·8	19·7	...	94·0	104·7
Birbhum ...	Soori	...	3	1	...	...	...	26·7	26·1	...	...	1	2	...	...	...	...	...	...	...	1	208·9	166·7	...	...	...	...	...	...	...	108·8
Midnapore ...	Midnapore ...	...	20	2	...	...	...	40·1	14·4	...	...	3	...	...	...	...	8	4	1	2	4	210·0	...	...	...	...	56·7	37·5	14·0	50·4	113·7
Hughli, including Serampore.	Hughli and Chinsurah.	...	47	12	...	...	...	96·7	101·2	...	...	6	6	3	2	4	8	4	7	5	14	3-8·5	140·6	54·1	41·9	82·9	67·0	38·4	87·2	100·1	351·2
	Serampore ...	...	61	8	...	...	...	125·7	443·5	...	...	5	9	9	2	1	9	11	10	5	8	366·2	259·3	186·2	46·8	23·8	86·9	115·0	154·1	135·8	299·1
	Utterpara	...	12	...	...	...	...	117·2	...	...	...	...	1	...	...	3	1	...	3	1	3	...	123·5	...	...	354·5	45·2	...	222·5	141·3	600·0
Howrah ...	Howrah	1	47	8	...	...	27·5	35·9	20·3	...	...	4	7	7	2	5	10	3	5	6	7	10[illegible]·8	65·7	57·9	15·8	35·5	22·9	8·1	22·1	58·8	97·0
	Bali	...	9	1	...	...	...	34·9	39·7	...	...	4	1	...	1	...	1	...	2	...	1	574·6	62·1	...	43·8	...	15·5	...	53·7	...	71·0
24-Pergunnahs.	Cossipore-Chitpore	...	31	10	...	...	...	88·2	66·0	...	...	3	2	3	3	...	8	5	3	4	10	3·6·4	117·9	199·0	61·9	...	43·7	40·6	62·3	21·4	1,111·1
	Manicktola ...	...	9	4	...	...	...	23·0	18·1	...	...	1	1	1	...	1	2	2	1	2	2	838·7	343·1	321·0	...	27·3	12·8	12·8	11·5	64·0	109·8
	Baranagore ..	...	15	6	...	...	...	30·3	75·3	...	...	5	1	3	...	1	3	4	2	...	2	384·1	25·3	62·6	...	22·7	24·4	33·6	25·2	...	62·1
	South Suburban ..	...	9	8	...	...	...	14·8	21·3	...	...	1	1	2	1	2	1	3	1	2	3	39·2	10·9	20·5	10·9	23·6	5·1	18·0	8·8	31·4	48·0
Nuddea ...	Krishnagar ...	1	8	11	...	...	91·7	14·0	69·1	...	...	5	2	3	1	...	2	...	1	1	2	524·2	42·2	45·4	18·5	...	21·6	...	15·9	24·7	60·2
	Ranaghat	...	6	...	...	...	...	42·6	...	...	...	2	2	1	...	...	...	...	1	...	...	502·4	130·8	46·6	...	...	...	...	51·5	...	...
	Santipore ...	...	9	...	...	...	...	22·6	...	...	...	2	...	2	...	...	...	...	1	3	1	123·1	...	27·5	...	...	...	...	14·8	67·9	26·5
Jessore ...	Jessore	...	6	6	...	...	...	69·2	81·6	...	...	1	1	...	...	1	...	6	1	...	2	268·0	1·5·3	...	...	71·0	...	203·9	49·5	...	227·1
Murshedabad.	Berhampore ...	...	28	7	...	...	...	80·1	70·2	...	...	3	5	3	2	3	1	7	4	3	5	413·8	163·1	73·8	54·7	59·0	11·7	82·2	60·4	83·0	162·7
	City Murshedabad	...	21	16	...	2	...	43·1	52·6	...	160·7	8	2	5	1	4	3	3	4	3	6	545·2	42·2	75·5	18·0	80·3	21·3	21·5	35·5	43·9	100·8
Khulna ...	Khulna	...	...	11	...	...	...	...	187·6	...	...	3	1	3	...	1	1	...	...	2	...	1,228·3	65·2	196·2	...	100·4	48·5	...	...	230·1	...
Dinajpore ...	Dinajpore ...	...	9	2	...	...	...	77·2	16·2	...	...	2	2	1	...	...	1	...	2	...	3	504·9	120·4	41·5	...	...	19·3	...	68·3	...	244·1
Rajshahye ...	Rampore Beauleah	...	18	15	...	...	...	94·5	79·5	...	...	6	6	3	1	1	3	2	3	...	8	768·5	220·0	75·0	28·9	31·3	37·5	28·9	63·6	...	432·0
Rungpore ...	Rungpore ...	...	4	11	...	...	...	32·1	86·0	...	...	3	2	1	2	1	1	2	...	2	1	669·5	116·2	41·3	94·0	48·4	16·4	87·8	...	141·5	101·0
Bogra ...	Bogra ...	...	2	7	...	...	...	39·0	105·1	...	...	2	1	...	...	...	1	...	1	1	3	759·1	101·2	...	...	...	39·4	...	76·6	157·6	498·8

Pubna ...	Pubna ...	...	18	13	...	...	...	131·2	33·4	...	...	4	10	3	2	1	2	3	2	3	1	323·9	356·7	98·4	75·5	42·3	35·8	68·5	61·0	154·9	82·3
	Serajganj ...	...	11	14	...	...	...	66·7	59·3	...	...	1	...	1	...	1	10	4	4	2	2	96·5	...	17·0	...	31·7	141·4	65·7	98·0	88·3	89·3
Darjeeling ...	Darjeeling ...	...	2	...	...	...	...	22·6	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...	75·1	...	307·7
Julpaiguri ...	Julpaiguri ...	...	3	6	...	...	...	36·7	85·5	...	...	1	1	2	...	...	2	2	...	...	1	353·7	70·6	114·0	...	...	57·4	69·0	...	...	165·1
Dacca ...	Dacca ...	...	29	15	...	...	...	37·4	19·8	...	...	7	3	3	2	2	7	8	3	2	7	191·8	21·2	15·7	13·1	14·2	23·8	35·7	18·6	22·0	65·3
	Narainganj ...	...	8	5	...	...	...	65·8	42·2	...	...	6	...	...	...	1	...	2	...	1	3	1,118·3	...	...	...	49·3	...	48·6	...	86·5	239·3
Faridpore ...	Faridpore ...	...	4	2	...	...	...	33·9	21·4	...	...	1	...	1	1	...	...	1	...	2	...	222·2	...	51·9	51·2	...	...	35·8	...	129·0	...
Backergunj ...	Barisal ...	...	...	2	...	...	...	...	15·2	...	...	...	1	...	...	...	...	...	...	...	1	...	61·1	...	...	...	...	...	...	...	91·7
Mymensing ...	Nasirabad ...	...	1	1	...	...	...	6·8	7·3	...	...	1	...	...	...	...	...	...	1	...	...	335·3	...	...	...	...	...	...	29·5	...	...
Chittagong ...	Chittagong ...	1	1	2	...	...	63·3	9·0	6·8	...	...	...	1	...	...	...	1	2	...	...	...	...	26·4	...	...	...	11·2	31·2	...	...	...
Noakhali ...	Sudharam ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tipperah ...	Comillah ...	...	5	7	...	...	...	43·7	40·3	...	...	4	1	1	1	...	...	1	1	...	3	700·3	39·8	31·9	35·6	...	...	26·1	39·6	...	230·1
Patna ...	Patna City ...	...	50	9	...	...	...	23·3	11·4	...	...	7	5	6	5	3	6	9	1	7	19	84·5	17·8	18·5	18·1	14·0	10·8	20·1	8·8	25·8	71·5
	Behar ...	...	5	14	...	...	...	7·7	47·6	...	...	4	2	1	...	...	...	1	1	5	5	140·1	18·0	8·6	...	...	...	7·4	10·1	71·9	72·3
Gya ...	Gya ...	...	63	10	...	...	...	54·9	32·3	...	...	17	8	1	2	2	7	10	3	7	16	493·9	65·5	7·4	15·5	19·9	24·7	40·8	16·0	55·4	161·6
Shahabad ...	Arrah ...	...	8	...	...	...	...	13·4	...	...	...	1	...	1	...	...	1	...	...	1	4	40·4	...	10·1	...	...	6·6	...	...	16·8	72·1
	Buxar ...	...	2	3	...	...	...	7·5	43·4	...	...	1	...	...	...	...	1	...	...	...	3	125·3	...	...	...	...	16·3	...	...	...	144·2
Mozufferpore ...	Mozufferpore ...	...	7	6	...	...	...	12·1	25·0	...	...	1	1	...	...	1	2	2	...	1	5	54·5	12·9	...	...	17·2	13·1	14·9	...	16·0	106·8
Durbhanga ...	Durbhanga ...	...	29	9	...	...	...	31·1	26·6	...	...	10	7	2	...	...	4	...	2	5	8	334·0	47·8	13·3	...	...	15·6	...	14·0	59·3	130·2
Sarun ...	Chupra ...	...	27	5	...	...	...	35·4	21·8	...	...	11	2	...	2	1	3	2	1	5	5	405·4	20·1	...	20·7	15·0	16·9	11·7	8·6	61·9	76·4
Chumparun ...	Motihari ...	...	6	3	...	...	...	44·5	56·3	...	...	...	...	...	...	...	2	1	1	...	5	...	...	...	...	...	51·6	35·1	48·5	...	428·3
Monghyr ...	Monghyr ...	...	43	4	...	...	...	50·0	12·4	...	...	3	13	3	...	1	6	6	3	2	11	70·0	108·6	22·1	...	13·8	30·2	35·0	24·5	26·2	159·5
	Jamalpore ...	...	12	1	...	...	...	63·5	16·8	...	...	4	4	3	...	1	1	...	...	...	...	585·9	136·6	90·2	...	64·5	18·5	...	...	...	...
Bhagulpore ...	Bhagulpore ...	...	39	8	...	...	...	41·5	22·0	...	...	4	8	4	2	5	5	3	2	8	6	144·9	64·1	29·4	14·3	52·6	19·9	14·2	13·6	82·0	73·5
Purneah ...	Purneah ...	...	4	4	...	...	...	22·7	36·7	...	...	2	...	...	1	1	1	...	1	...	2	367·5	...	...	43·5	53·3	15·8	...	28·0	...	128·9
Maldah ...	English Bazar ...	...	20	22	...	...	...	143·1	222·2	...	...	3	4	5	4	...	3	8	6	5	4	523·8	218·3	173·2	168·4	...	67·9	193·5	212·0	347·6	295·9
Sonthal Pergunnahs.	Deoghur ...	...	7	...	...	...	...	47·2	...	...	...	3	2	...	...	...	...	...	...	2	...	1,200·0	181·9	...	...	...	...	...	...	208·4	...
Cuttack ...	Cuttack ...	1	18	1	...	...	23·1	27·8	6·7	...	...	4	4	1	2	...	1	3	1	1	3	202·7	55·6	10·5	25·6	...	6·0	25·5	11·5	16·9	52·9
Poori ...	Poori ...	...	64	...	...	...	...	135·7	...	...	...	7	4	...	3	...	5	12	9	13	11	1,201·3	115·7	...	83·2	...	49·2	154·0	140·8	313·0	316·7
Balasore ...	Balasore ...	...	3	...	...	...	...	9·3	...	...	...	...	...	...	...	2	...	...	...	...	1	...	...	...	...	60·8	...	...	...	...	44·9
Hazaribagh ...	Hazaribagh ...	...	4	1	...	...	...	18·9	12·8	...	...	2	...	2	...	...	...	...	...	...	1	213·6	...	51·8	...	...	...	...	...	...	62·1
Lohardugga ...	Ranchi ...	...	4	1	...	...	...	22·6	9·6	...	...	1	...	...	...	...	...	2	2	...	...	110·6	...	...	...	...	...	33·9	57·3	...	...
Singbhum ...	Chaibassa ...	...	1	...	...	...	...	10·2	...	...	...	1	...	...	...	...	...	...	...	...	...	321·0	...	...	...	...	...	...	...	...	...
Manbhum ...	Purulia ...	...	7	...	...	...	...	46·7	...	...	...	...	...	...	...	...	...	...	5	...	2	...	...	...	...	...	...	...	294·5	...	393·2
	TOTAL ...	4	921	330	...	2	15·0	41·5	34·5	...	21·9	184	139	93	47	53	140	142	107	119	223	249·3	56·6	88·4	16·3	21·9	21·7	26·3	28·6	53·0	117·1

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 7th December 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1891 92.

Areas leased for irrigation up to end of September 1891.

Circle.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Approximate area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the same date last year.	Details of Areas Leased. Five years, all crops.	Five years, kharif.	Annual leases. Kharif.	Rabi.	Sugarcane.	Bhadoi.	Hot weather.	Total.	Grand Total.	Rainfall, 1891-92. During month.	Rainfall, 1891-92. Up to end of month.	Rainfall, 1890-91. During month.	Rainfall, 1890-91. Up to end of month.	Remarks.
			C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	Inches.	Inches.	
Orissa	Cuttack	Taldunda, 1st reach ...	1,342	254	41	10,407†	11,169	......	10,331	......	273	21	......	......	294	10,625	24·60	58·65	22·25	58·43	
		Ditto, 2nd „ ...	566	110																	
		Machgong	776	140	114	25,596	29,883	......	30,193	......	63	4	......	......	67	30,260	23·95 19·58	51·89 47·38	10·32 20·30	51·62 56·35	
		Kendrapara	1,067	688	583	46,258	51,253	......	49,812	......	3,307	50	......	......	3,357	53,169	21·76	47·47	17·69	40·03	
		Gobri	372·82	45·40	24·79	2,352	4,709	......	3,057	......	74	......	......	......	74	3,131	23·94	56·49	16·65	44·54	
		Do. extension	648	91·36	91·36	3,3 0	3,578	......	3,418	......	20	......	......	......	20	3,438	No gauge.		No gauge.		
		Pattamoondi	885	209·54	118·20	11,917	12,459	......	12,127	......	44	......	......	......	44	12,171	Ditto.		......	......	
		High Level, Range I ...	608	78	153	20,6·1	20,391	......	20,732	......	17	11	......	......	28	20,760	12·40	39·15	11·10	39·55	
		Ditto, ditto II ...	727·16	...	......	2,696	2,526	......	2,405	...	62	......	......	......	62	2,467	No gauge.		......	......	
	Balasore	Ditto, ditto III ...	727·16	262	262	56,528	36,237	......	40,309	......	1	174	......	......	175	40,484	17·13	54·74	9·78	38·78	
		Total ...	......	......	......	1,60,795	1,72,205	......	1,72,394	......	3,861	260	......	......	4,121	1,76,605	......	......	......	......	
		Total of the corresponding period of last year ...	......	......	......	......	......	......	1,74,060	......	4,262	209	......	......	4,471	1,78,531	......	......	......	......	
South-Western.	Midnapore ...	Midnapore	1,411	291	262	76,264	73,858	......	75,951	......	......	......	......	......	......	75,951	10·45	54·16	9·05	44·49	28 days discharging.
		Panchkoora	522	18	11	4,367	4,615	......	5,419	......	......	......	......	......	......	5,419	10·33	40·51	13·47	44·37	3 days discharging.
	Howrah ...	Tidal Beaches, Ranges I-II	......	......	......	375	363	......	376	......	......	......	......	......	......	376	......	......	......	......	
		Total ...	......	......	......	81,006	78,836	......	81,746	......	......	......	......	......	......	81,746	......	......	......	......	
		Total of the corresponding period of last year ...	......	......	......	......	......	......	77,232	43	......	......	......	......	43	77,275	......	......	......	......	
Sone ...	Shahabad ...	Western Main	4,342	3,130	176	13,507	10,639	13,901	......	1,549	......	105	......	155	1,809	15,710	5·05	17·72	9·09	48·21	* The decrease is due to area converted into 5 years' lease.
		Buxar	1,226	845	520	51,527	43,823	52,778	......	6,575*	......	130	26	2,864	9,595	62,371					
		Arrah	2,000	1,853	1,596	1,04,9·1	1,10,752	83,622	......	31,170	......	565	169	6,954	38,858	122,460	4·58	23·54	8·21	59·68	
	Patna and Gya.	Eastern Main	1,486	1,247	1,149	1,663	1,446	1,043	......	648*	......	8	1	......	657	1,700	4·33	32·24	6·15	57·34	
		Patna				63,626	49,895	37,790	......	27,203	......	277	247	......	27,727	65,517					
		Total ...	......	......	......	2,35,224	2,16,555	1,89,132	......	67,145	......	1,085	443	9,973	78,646	267,778	......	......	......	......	
		Total of the corresponding period of last year ...	......	......	......	......	......	1,98,008	......	35,976	......	4,003	392	8,544	48,915	246,923	......	......	......	......	
		Grand Total ...	......	......	......	4,77,025	4,67,596	1,89,132	2,54,130	67,145	3,861	1,345	443	9,973	82,767	526,029	......	......	......	......	
		Grand Total of the corresponding period of last year ...	......	......	......	......	......	1,98,008	2,51,292	36,019	4,262	4,212	392	8,544	53,429	502,729	......	......	......	......	

† This is the correct figure, *vide* Superintending Engineer's letter No. 5654, dated 21st November 1891.

CALCUTTA,

The 7th December 1891.

W. A. INGLIS,

Offg. Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Abstract statement showing Tollage on Canals in Bengal classed as Major Works for the month of September 1891, *as compared with that of the corresponding month of the previous year.*

CANALS.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Circle.												
Taldunda Canal System	1,104	2	0	2,786	2	7	103	8	6	1,612	13	2
Kendrapara ditto	7,732	0	5	39,633	3	2	7,059	7	9	33,382	3	0
High Level, Range I	857	6	0	4,448	5	9	988	2	0	4,851	11	9
Ditto „ II	169	9	0	976	3	0	213	7	9	1,642	14	3
Ditto „ III	133	4	0	714	11	6	167	14	6	1,213	5	3
Jajepore Canal ...	37	3	11	105	11	3	35	6	0	135	9	10
Total Orissa Circle ...	10,033	9	4	48,664	5	3	8,567	14	6	42,838	9	3
South-Western Circle.												
Midnapore Canal	9,697	9	3	49,278	7	3	8,181	14	0	61,027	3	9
Hidgellee Tidal Canal .	4,614	11	6	9,737	0	9	3,164	2	9	17,918	1	9
Total South-Western Circle	14,312	4	9	59,015	8	0	11,346	0	9	78,945	5	6
Sone Circle.												
Patna Canal System ...	3,159	2	6	15,316	11	0	1,286	13	3	11,826	6	11
Arrah ditto ...	1,644	1	0	13,333	3	6	1,687	11	0	10,574	8	6
Buxar ditto ...	680	0	9	6,308	2	9	1,020	11	6	4,953	1	9
Total Sone Circle ...	5,483	4	3	34,958	1	3	3,995	3	9	27,354	1	2
GRAND TOTAL ...	29,829	2	4	1,42,637	14	6	23,909	3	0	1,49,137	15	11

Government Transport Service.

CANAL.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.	Passengers.	Goods.	Total receipts.
Orissa Circle.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level ...	770	456	611 6 8	4,977	4,472	4,685 0 5	896	317	865 1 5	4,844	4,357	5,216 11 3
Total Orissa Circle	770	456	611 6 8	4,977	4,472	4,685 0 5	896	317	865 1 5	4,844	4,357	5,216 11 3

Total Navigation Receipts.

CANALS.	EARNINGS, 1891-92.						EARNINGS, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Orissa Canals ...	10,645	0	0	53,549	5	8	9,412	15	11	48,055	4	6
Midnapore Canal ...	9,697	9	3	49,278	7	3	8,181	14	0	61,027	3	9
Hidgellee Tidal Canal ...	4,614	11	6	9,737	0	9	3,164	2	9	17,918	1	9
Sone Canals ...	5,483	4	3	34,958	1	3	3,995	3	9	27,354	1	2
Total ...	30,440	9	0	1,47,522	14	11	24,774	4	5	1,54,354	11	2

CALCUTTA,
The 7th December 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH, BENGAL.

Abstract Statement showing Tollage on Canals in Bengal classed as Minor Works and Navigation for the month of September 1891, *as compared with that of the corresponding month of the previous year.*

CANALS.	TOLLAGE, 1891-92.						TOLLAGE, 1890-91.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Calcutta and Eastern Canals	34,243	7	9	1,41,667	8	0	28,867	11	9	1,19,932	8	3
Tolly's Nullah ...	8,661	7	0	49,915	6	3	7,646	11	0	48,142	14	0
Total ...	42,904	14	9	1,91,582	14	3	36,514	6	9	1,68,075	1	3
Orissa Coast Canal ...	2,956	10	3	24,649	4	6	3,779	11	9	33,546	8	3
Nuddea Rivers ..	36,811	11	0	1,19,458	2	6	26,835	12	6	1,17,987	13	0
GRAND TOTAL ...	82,673	4	0	3,35,690	5	3	67,129	15	0	3,19,609	6	6

CALCUTTA,
The 7th December 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 5th December 1891, *as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 5TH DECEMBER 1891.			WEEK ENDING SATURDAY, THE 6TH DECEMBER 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	579	75,575	1,172	483	58,325	866
Jute	207	97,675	1,697	317	2,05,425	3,638
Firewood	92	52,625	790	122	72,750	1,039
Other articles	1,138	2,30,970	4,304	942	2,34,015	4,036
Total ...	2,016	4,56,845	7,963	1,864	5,70,515	9,579

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the five weeks ending 31*st October* 1891, *as compared with the same period of* 1890.

Staples.	1890.		1891.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
Coke ...	2,17,584	33,434	2,29,811	36,488	12,227	3,054	......	......
Cotton, raw ...	20,037	19,186	41,743	38,304	21,706	19,118	......	......
Cotton twist and yarn—								
1.—European ...	8,301	8,963	10,018	8,192	1,717	......	......	771
2.—Indian ...	16,947	10,340	24,390	13,808	7,443	3,468	......	......
Cotton piece-goods—								
1.—European ...	1,61,804	1,71,364	2,28,024	2,78,227	60,220	1,06,863	......	......
2.—Indian ...	27,663	18,159	26,873	23,938	......	5,779	790	...
Drugs and chemicals—								
1.—Intoxicating other than opium ...	442	299	715	353	273	54	......	......
2.—Non-intoxicating ...	2,703	2,542	11,464	12,083	8,761	10,141	......	......
Dyes and tans—								
1.—Indigo ...	5,408	12,232	2,058	2,131	......	......	3,350	10,101
2.—Myrabolams ...	1,780	582	6,232	2,069	4,452	1,487	......	......
3.—Aniline dyes ...	......	......	310	346	310	346	......	......
4.—Cutch ...	......	......	2,803	964	2,803	964	......	......
5.—Paints and colours ...	1,823	1,578	15,195	5,572	13,372	3,994	......	......
6.—Others ...	3,084	1,421	2,551	966	......	......	533	455
Grains—								
1.—Wheat ...	2,00,227	64,200	7,27,601	1,67,503	5,27,374	1,03,303	......	......
2.—Rice ...	4,36,828	83,700	4,70,587	93,185	33,759	9,416	......	......
3.—Jawar and bajra ...	......	......	4,546	693	4,546	693	......	......
4.—Gram ...	2,44,850	62,268	90,159	19,145	......	......	1,54,691	43,123
5.—Indigo seed ...	14,083	5,883	13,074	4,012	......	......	1,008	1,871
6.—Seeds other than oil-seeds ...	34,442	13,802	47,525	14,978	13,083	1,176	......	......
7.—Others ...	2,17,197	34,715	3,84,106	88,100	1,66,909	53,385	......	......
Hides and skins—								
1.—Hides of cattle ...	29,628	15,708	21,348	11,474	......	......	8,280	4,234
2.—Skins of sheep, &c. ...	10,738	4,433	11,869	5,928	1,131	1,495	......	......
Horns ...	1,056	899	3,358	2,177	2,302	1,278	......	......
Jute—								
1.—Raw ...	40,742	6,066	1,14,221	23,069	73,479	17,003	......	......
2.—Gunny-bags and cloth ...	48,408	22,881	1,01,251	50,616	52,843	27,735	......	......
Lac—								
1.—Stick ...	9,756	3,402	35,830	11,944	26,074	8,452	......	......
2.—Shell lac ...	13,505	9,326	21,112	15,362	7,607	6,036	......	......
Leather—								
1.—Unmanufactured ...	1,458	2,281	2,044	4,755	1,186	2,474	......	......
2.—Manufactured ...	3,562	5,038	7,551	10,180	3,989	5,142	......	......
Liquors—								
1.—Beer ...	5,049	5,347	11,466	6,994	6,437	1,647	......	......
2.—Wines ...	2,916	4,975	3,011	5,175	2,400	2,600	......	......
3.—Spirits ...			2,305	2,400				
Metals—								
1.—Copper, unwrought ...			7,402	8,049				
2.—Brass, unwrought ...	24,993	16,585	3,601	2,011	6,653	3,710	......	......
3.—Brass and copper, wrought ...			20,643	10,241				
4.—Iron ...	90,820	57,339	1,78,297	1,00,846	87,477	43,447	......	......
5.—Tin ...	1,739	2,038	4,585	4,780	2,846	2,742	......	......
6.—Others ...	4,971	3,340	13,539	9,174	8,568	5,834	......	......
Oils—								
1.—Castor ...			3,961	1,042				
2.—Kerosine ...	81,020	32,389	1,03,933	57,052	34,850	30,287	......	......
3.—Others ...			8,865	4,582				
Oil-seeds—								
1.—Linseed ...	2,25,121	64,755	5,65,470	1,85,789	3,40,349	1,21,034	......	......
2.—Rape and mustard ...	46,752	9,626	56,691	12,134	9,939	2,508	......	......
3.—Til or jinjili ...	836	104	3,140	946	2,304	842	......	......
4.—Castor ...	......	......	76,293	19,764	76,293	19,764	......	......
5.—Poppy ...	......	......	30,744	11,765	30,744	11,765	......	......
6.—Others ...	61,283	18,050	16,780	5,223	......	......	44,503	12,827
Opium ...	1,509	2,224	1,011	1,041	......	......	498	1,183
Paper and paste board ...	8,781	4,769	11,583	8,088	2,802	3,319	......	......
Provisions—								
1.—Ghee ...	29,617	27,959	33,897	30,077	4,280	2,118	......	......
2.—Dried fruits and nuts ...	25,905	24,402	34,324	33,089	8,419	8,687	......	......
3.—Cocoanuts ...	11,094	5,121	14,248	4,415	3,154	......	......	706
4.—Turmeric ...	14,401	14,124	10,375	5,390	......	......	4,026	8,734
5.—Others ...	67,021	32,992	1,19,286	44,918	52,265	11,926	......	......
Salt ...	5,48,086	1,12,328	6,18,217	1,20,629	70,131	8,301	......	......
Saltpetre, &c.—								
1.—Saltpetre ...	41,726	16,771	53,526	22,678	10,800	5,907	......	......
2.—Borax ...	756	499	279	180	......	......	477	319
3.—Other saline substances ...	11,720	2,947	24,959	6,279	13,239	3,332	......	......
Silk, raw—								
1. Foreign ...	721	457	9	7	455	533	......	......
2. Indian ...			1,167	983				
Silk piece-goods—								
1.—Foreign ...	66	201	136	391	70	190	......	......
2.—Indian ...	430	569	470	688	40	119	......	......
Spices—								
1.—Pepper ...	18,117	12,813	3,902	4,494	......	......	2,199	1,657
2.—Other ...			12,016	6,002				
Sugar—								
1.—Drained ...	44,841	6,987	39,111	17,602	......	10,615	5,730	......
2.—Undrained ...	1,12,664	38,703	1,27,631	26,913	14,967	......	......	11,790
Stone and lime ...	1,62,002	24,731	2,61,476	39,871	99,474	15,140	......	......
Tea—								
1.—Foreign ...	10	12	4	6	......	......	15	6
2.—Indian ...	3,963	4,258	4,969	5,689	1,006	1,431	......	......
Timber, &c.—								
1.—Timber ...	17,470	2,776	67,026	13,927	49,556	11,151	......	......
2.—Firewood ...	19,128	922	19,990	1,465	862	543	......	......
Tobacco ...	29,630	9,924	52,260	25,866	22,630	15,942	......	......
Umbrellas ...	......	......	196	177	196	177	......	......
Wool—								
1.—Raw ...	300	175	1,400	627	1,100	452	......	......
2.—Piece-goods—								
a.—European ...	1,185	2,598	3,813	5,873	2,628	3,275	......	......
b.—Indian ...	3,184	3,938	6,185	7,035	3,001	3,097	......	......
3.—Shawls ...	9	41	6	29	......	......	3	12
All other articles of merchandise ...	3,18,220	1,58,755	2,23,608	99,900	......	......	95,612	58,855
Total ...	38,12,020	13,40,865	55,08,715	19,29,513	16,95,795	5,88,648	......	......
Military stores ...	25,507	32,812	21,217	24,853	......	......	4,290	7,959
Coal—								
1.—For public ...	27,39,916	4,03,268	38,30,993	5,77,166	10,91,077	1,73,898	......	......
2.— „ Railway ...	3,64,471	25,341	4,98,705	32,381	1,34,234	7,040	......	......
Railway Materials—								
1.—For construction and revenue ...	2,35,529	34,806	10,06,775	35,483	7,71,246	677	......	..
Live-stock ...	......	10,077	......	31,482	......	21,405	......	......
Total ...	71,78,343	18,47,169	1,08,66,405	26,30,876	36,88,062	7,83,709	......	......

E. WEATHERDON, *Assistant Auditor.*

TRAFFIC AUDIT OFFICE, GOODS DIVISION, JAMALPUR, *the 7th December* 1891.

EASTERN BENGAL STATE RAILWAY.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of September 1891, *as compared with the same month of the previous year.*

STAPLES.	1891. Up.	1891. Down.	1890. Up.	1890. Down.	Total. 1891.	Total. 1890.	Increase.	Decrease.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	5,084	3,320	1,508	2,165	25,837*	8,176*	17,661	......
Cotton, raw	10	165	......	66	115	66	49	......
Cotton twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—	6,015	123	2,937	73	6,138	3,010	3,128	......
1.—European—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
3.—Rice	2,670	4,190	2,107	2,614	6,860	4,811	2,049	......
5.—Others	1,996	3,216	909	2,958	5,212	3,867	1,345	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	12	658	3	402	670	405	265	......
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed	......	11,075	1	4,569	11,075	4,570	7,405	......
b.—Unscrewed	26	59,178	61	38,376	59,204	38,437	20,767	......
2.—Gunny bags and cloth	246	1,498	106	801	1,744	907	887	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	1,003	87	747	61	1,090	808	282	......
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	2,681	9	1,077	2	2,690	1,079	1,611	......
3.—Others	311	55	131	47	366	178	188	......
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	354	3,314	76	754	3,668	830	2,838	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betelnuts	119	710	72	49	829	121	708	......
3.—Others	636	286	433	161	922	594	328	......
Railway plant and rolling-stock	......	.....	......	......	7,974†	5,645†	2,329	......
Salt	6,141	33	3,304	30	6,174	3,834	2,840	......
Sugar—								
1.—Drained	1,327	251	956	91	1,478	1,047	431	......
2.—Undrained								
Tea—								
1.—Foreign	13	4,693	1	2,393	4,706	2,394	2,312	......
2.—Indian								
Wood—								
1.—Timber	191	101	73	59	292	132	160	......
2.—Firewood	1,815	......	1,700	......	1,815	1,700	115	......
Tobacco	106	2,190	20	1,192	2,296	1,212	1,084	......
All other articles of merchandise—								
1.—Unmanufactured	3,922	2,342	2,407	935	6,264	2,342	3,922	......
2.—Manufactured								
Hay, straw, and wooloo (C. & S.-E. Sections) ..	636	......	560	......	636	560	76	......
Total ...	35,214	98,343	19,270	57,798	1,58,955	87,225	71,730	......

* Includes 17,424 tons and 4,503 tons during 1891 and 1890 respectively carried for Revenue, for which no "Up" and "Down" registers maintained.

† Railway plant and rolling-stock 7,974 tons and 5,645 tons for the year 1891 and 1890 respectively, for which no "Up" and "Down" registers maintained.

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of September 1891.

INCREASES.

	Tons.
Coal	17,661
For railway and flotilla consumption principally.	
Cotton piece-goods	3,128
Probably due to increased demand from up-country stations for sale during the poojahs.	
Rice	2,049
Larger despatches from Sara Ghât, Kooshtea, and Goalundo.	
Jute, screwed	7,405
Haldibari, Darwani, Mymensingh to Karaid, and Serajgunge contributed to this increase.	
Jute, unscrewed	20,767
Principally in despatches from Domar, Darwani, Rungpur, Atrai, Raninagar, and Serajgunge, due to a favourable market.	
Kerosine oil	1,611
Due to opening of the Budge-Budge Branch.	
Oil-seeds	2,838
Due to good crops and an improved market. Kasba, Jattrapur, Alamdanga, and Goalundo contributed to this increase.	
Railway plant and rolling-stock	2,329
Probably due to repairs and renewals.	
Salt	2,840
Principally in despatches from Chitpore.	
Tea	2,312
Good season.	
Tobacco	1,084
Haldibari, Domar, Saidpur, and Kaunia contributed principally to this increase.	

CALCUTTA, *the 7th December* 1891.

HARRY STUART,
Examiner.

BENGAL CENTRAL RAILWAY.

Abstract of principal commodities carried over the Bengal Central Railway during the month of September 1891, as compared with the same month of the previous year.

STAPLES.	1891.		1890.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1891.	1890.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,570	12	222	......	3,234*	873*	2,361	......
Cotton, twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—	777	1	126	......	778	126	652	......
1.—European—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
2.—Rice	6	432	150	41	438	191	247	......
5.—Others	139	62	50	2	201	52	149	......
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—	......	31	......	17	31	17	14	......
a.—Dressed								
b.—Undressed								
Jute—								
1.—Raw—								
b.—Unscrewed	44	4,893	......	1,878	4,937	1,878	3,059	......
2.—Gunny-bags and cloth	23	......	5	2	23	7	16	......
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought	82	3	10	2	85	12	73	......
4.—Iron								
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	206	......	52	......	206	52	154	......
3.—Others	108	......	22	......	108	22	86	......
Oil-seeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	42	307	54	22	349	76	273	......
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Betel-nuts	4	698	......	32	702	32	670	......
3.—Others	13	37	6	17	50	23	27	......
Railway plant and rolling-stock	......	......	......	......	151†	103†	48	......
Salt	428	......	184	1	428	185	243	......
Sugar—								
1.—Drained	49	290	13	90	339	103	236	......
2.—Undrained								
Tobacco	76	13	10	21	89	31	58	......
All other articles of merchandise—								
1.—Unmanufactured	573	624	257	148	1,197	405	792	......
2.—Manufactured								
Total ...	4,140	7,403	1,161	2,273	13,340	4,188	9,158	......

*Includes 1,652 tons and 651 tons during 1891 and 1890, respectively, carried for Revenue, for which no "Up" and "Down" register maintained.
† Railway plant and rolling-stock 151 tons and 103 tons for the year 1891 and 1890, respectively, for which no "Up" and "Down" register maintained.

Statement of principal commodities carried over the Bengal Central Railway during the month of September 1891.

INCREASES.

	Tons.		Tons.
Coal	2,361	Betel-nuts	670
Railway and flotilla consumption.		From B. C. flotilla stations principally.	
Jute, unscrewed	3,059		
The increase is in despatches from Khoolna, Nawapara and Bongong.			

J. MARSHALL,
For Traffic Superintendent

CALCUTTA, *the 27th November* 1891.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 28*th November* 1891, *on* 1,525½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	263,980	3,24,395 8 0	27,22,844 30	7,33,817 4 0	17,656 13 0	10,75,869 9 0	75,138¾	107,091½	182,230¼
Or per mile of railway	......	212 10 5	......	481 0 6	11 9 2	705 4 1	......	......	......
For previous 21 weeks of half-year	5,207,125	56,11,969 10 0	4,70,22,347 20	1,11,62,133 12 0	3,27,680 13 0	1,71,01,784 3 0	1,483,810	1,894,029½	3,377,839½
Total for 22 weeks ...	5,476,105	59,36,365 2 0	4,97,45,192 10	1,18,95,951 0 0	3,45,337 10 0	1,81,77,653 12 0	1,558,948¾	2,001,121½	3,560,070¼
Comparison.									
Total for corresponding week of previous year	301,884	3,21,232 7 2	24,59,203 0	6,32,759 1 8	20,328 0 4	9,74,319 9 2	72,832	87,442	160,274
Per mile of railway corresponding week of previous year ...	......	210 9 2	......	414 12 7	13 5 3	638 11 0	......	......	......
Total to corresponding date of previous year	5,069,474	55,46,539 5 7	4,12,64,352 20	99,38,720 4 6	3,50,186 14 6	1,58,35,446 8 7	1,442,762	1,679,966	31,22,728

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 28*th November* 1891, *on* 57¾ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*11,598	*6,524 4 0	40,011 30	2,817 4 0	48 0 0	9,389 8 0	1,677	717	2,394
Or per mile of railway	203	114 1 0	699 20	49 4 0	0 13 5	164 2 5	.....	......	......
For previous 21 weeks of half-year	290,961	1,58,361 14 0	9,78,735 0	64,157 4 0	734 0 0	2,23,253 2 0	29,992	14,806	44,798
Total for 22 weeks ...	302,559	1,64,886 2 0	10,18,746 30	66,974 8 0	782 0 0	2,32,642 10 0	31,669	15,523	47,192
Comparison.									
Total for corresponding week of previous year	27,334¼	14,584 12 4	49,471 20	3,159 5 0	49 7 9	17,793 9 1	2,055	681	2,736
Per mile of railway corresponding week of previous year ..	478	254 15 8	865 0	55 3 9	0 13 10	311 1 3	......	......	......
Total to corresponding date of previous year	291,415	1,61,609 3 6	7,73,668 20	50,828 2 0	1,247 2 3	2,13,684 7 9	30,042	13,031	43,073

* The decrease in coaching traffic is due to figures for the corresponding period of 1890 having included receipts on account of the Sonepore fair and moon eclipse.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 28*th November* 1891, *on* 22¼ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,184	4,832 14 0	10,937 0	548 4 0	10 0 0	5,391 2 0	883	85	968
Or per mile of railway . .	......	217 3 4	......	24 10 3	0 7 2	242 4 9	......	......	......
For previous 21 weeks of half-year	378,694	93,389 4 0	1,58,423 30	6,369 12 0	135 0 0	99,894 0 0	18,501	2,081	20,582
Total for 22 weeks ...	396,878	98,222 2 0	1,69,360 30	6,918 0 0	145 0 0	1,05,285 2 0	19,384	2,166	21,550
Comparison.									
Total for corresponding week of previous year	21,463	5,518 14 6	11,491 30	492 0 0	15 8 9	6,026 7 3	866	102	968
Per mile of railway, corresponding week of previous year ...	......	248 0 8	......	22 1 10	0 11 2	270 13 8	......	......	......
Total to corresponding date of previous year	377,732½	93,035 8 10	1,56,706 20	5,818 10 0	381 1 11	99,235 4 9	19,728	1,238	20,966

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th November 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	17,750	5,960 0 0	21,715 0	2,010 0 0	60 0 0	8,030 0 0	2,250	907	3,157
Or per mile of railway	206	69 0 0	252 0	23 0 0	1 0 0	93 0 0	......	......	......
For previous 21 weeks of half-year	344,335	1,11,737 0 0	4,03,066 0	33,628 0 0	3,530 0 0	*1,48,895 0 0	56,196	16,638	72,834
Total for 22 weeks ...	362,085	1,17,697 0 0	4,24,781 0	35,638 0 0	3,590 0 0	1,56,925 0 0	58,446	17,545	75,991
Comparison.									
Total for corresponding week of previous year	19,056	6,056 0 0	66,628 0	5,069 0 0	—50 0 0	11,975 0 0	2,414	1,278	3,692
Per mile of railway corresponding period of previous year	222	81 0 0	775 0	59 0 0	—1 0 0	139 0 0	......	......	......
Total to corresponding date of previous year	336,229	1,10,868 0 0	5,19,192 0	44,888 0 0	6,040 0 0	1,61,796 0 0	52,436	19,628	72,064

* Audited up to week ending 10th October 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 28th November 1891, on 27½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,894	1,010 0 0	7,469 0	400 0 0	10 0 0	1,510 0 0	546	190	736
Or per mile of railway	106	37 0 0	274 0	18 0 0	... ..	55 0 0	......	......	......
For previous 21 weeks of half-year*	61,798	22,295 0 0	1,94,450 0	10,947 0 0	391 0 0	32,733 0 0	10,733	9,169	19,902
Total for 22 weeks ...	64,692	23,305 0 0	2,01,919 0	10,537 0 0	401 0 0	34,243 0 0	11,279	9,359	20,638
Comparison.									
Total for corresponding week of previous year	3,632	1,302 0 0	10,252 0	591 0 0	44 0 0	1,937 0 0	546	380	926
Per mile of railway corresponding week of previous year ...	133	48 0 0	376 0	21 0 0	2 0 0	71 0 0	......	......	.....
Total to corresponding date of previous year	66,792	23,699 0 0	2,26,544 0	12,079 0 0	301 0 0	36,169 0 0	11,919	12,002	23,921

* Audited up to week ending 10th October 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 21st November 1891, on 739 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 739 miles open	185,110	a 87,070	2,03,940	35,680	9,750	1,32,500	17,695	13,624	31,319
Or per mile of railway	250·49	117·82	357·16	48·28	13·19	179·29	......	......	......
For previous 19¾ weeks of half-year	1,611,318	6,52,809	54,97,818	6,52,451	1,65,938	b 14,71,198	248,115	271,103	b 519,218
Total for 20¾ weeks ...	1,796,428	7,39,879	57,01,758	6,88,131	1,75,688	16,03,698	265,810	284,727	550,537
Comparison.									
Total for corresponding week of previous year on 699 miles open	90,864	38,506	c 3,44,100	47,242	7,647 c	93,395	12,640	15,300	27,940
Per mile of corresponding week of previous year	129·99	55·09	492·27	67·58	10·94	133·61	......	......	......
Total to corresponding date of previous year	1,576,974	5,74,276	56,51,881	7,08,935	1,34,243	14,17,454	245,754	266,515	512,269

a Increase in passenger traffic is due to fairs held at Ajodhya and Sonepore.
b Includes audited figures up to 10th October 1891.
c Approximate figures.

EARNINGS.

Heads.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 21st November 1891.	Week ending 22nd November 1890.	Week ending 21st November 1891.	Week ending 22nd November 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	43,410 0 0	17,953 0 0	43,660 0 0	20,553 0 0
Goods	15,180 0 0	19,098 0 0	20,500 0 0	28,144 0 0
Other earnings	6,750 0 0	4,011 0 0	3,000 0 0	3,636 0 0
Total ...	65,340 0 0	41,062 0 0	67,160 0 0	52,333 0 0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 14th November 1891	13,845	0	0
Corresponding period of 1890	12,836	0	0
Increase	1,009	0	0
Receipts per mile for week ending 14th November 1891	271	7	6
Corresponding period of 1890	251	11	0
Increase	19	12	6
Receipts from 1st July to 14th November 1891	2,29,032	0	0
Corresponding period of 1890	2,21,765	0	0
Increase	7,267	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs.	A.	P.
Approximate earnings for week ending 21st November 1891 ...	11,869	0	0
Corresponding period of 1890	10,853	0	0
Increase	1,016	0	0
Receipts per mile for week ending 21st November 1891	232	11	7
Corresponding period of 1890	212	13	0
Increase	19	14	7
Receipts from 1st July to 21st November 1891	2,40,901	0	0
Corresponding period of 1890	2,32,618	0	0
Increase	8,283	0	0

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SUPPLEMENT TO

The Calcutta Gazette.

WEDNESDAY, DECEMBER 16, 1891.

OFFICIAL PAPERS.

CONTENTS.

RESULTS OF SURVEYS AND RECORDS-OF-RIGHTS IN CERTAIN WARDS' ESTATES.

REVENUE DEPARTMENT—LAND REVENUE.

Calcutta, the 10th December, 1891.

RESOLUTION No. 3745 L.R.

READ—

Letter No. 411A., dated 10th June, 1891, from the Board of Revenue, with enclosures, regarding the survey-settlement of the Churaman Estate.

Government Resolution No. 899L.R., dated 11th July, 1891, regarding the survey-settlement of the Churaman Estate.

Letter No. 353A., dated 20th May, 1891, from the Board of Revenue, with enclosures, regarding the survey-settlement of the Maldwar Estate.

Government Resolution No. 307T.R., dated 12th September, 1891, regarding the survey-settlement of the Maldwar Estate.

Letter No. 667A., dated 13th August, 1891, from the Board of Revenue, with enclosures, regarding the survey-settlement of the Shankarpur Estate.

Government Resolution No. 584T.R., dated 3rd October, 1891, regarding the survey-settlement of the Shankarpur Estate.

Government Resolution, No. 1243L.R., dated 9th November, 1891, on the cadastral survey of Behar.

Mr. E W. Collin's report No 200A., dated 7th July, 1891, on the survey-settlement of the Srinagar-Banaili Estates.

In paragraph 13 of the Government Resolution No. 1243L.R., dated the 9th November 1891, published at pages 1895-99 of the Supplement to the *Calcutta Gazette* of the 18th idem, on the subject of the resumption of survey and settlement operations in North Behar, it was declared that an account would

shortly be published of what the surveys and records-of-rights in some large estates had cost, and the returns which they had produced to the landlords. Four such estates have recently been surveyed and settled, viz., the Churaman, Maldwar, Shankarpur and Srinagar-Banaili Wards' Estates, and the following paragraphs contain the main results of the operations.

2. *Churaman Estate.*—The mehals comprised in this estate are situated entirely within the Dinajpur district. They do not form a compact tract of country, but contain villages which lie scattered about the district and are interlaced with other estates. The survey and settlement operations were undertaken while the estate was under the Court of Wards. The total area of the estate, as ascertained by the survey, is 169,936 acres, of which 114,802 acres were surveyed by non-professional agency under the old procedure, and the remaining 55,134 acres, which were held by the late ward jointly with other co-sharer landlords, were surveyed and settled under the provisions of Chapter X of the Bengal Tenancy Act. The financial result of the operations was that a considerable area was recovered from the wrongful possession of other zemindars, and an additional rental of Rs. 4,621, or about 3·8 per cent. of the entire rental, was obtained chiefly from the rental of lands recovered from other proprietors. The cost of the operations amounted to Rs. 89,154 or 8 annas and 4 pies per acre, the rather high rate per acre being due to the scattered nature of the estate. As to apportionment of cost, a report is awaited from the local officers in respect to the area surveyed under the old rules.

The benefits of the operations to the zemindar and to the ryots are thus summarised by the Settlement Officer:—

I have mentioned what increase in the rental has been effected by the settlement. But an increased rental is not the only gain to the landlord. That is, indeed, a trifling gain compared with others. There was no such thing as a complete rent-roll for any of the mehals previous to the survey; and in the landlord's books and papers the areas of tenants' holdings were conspicuous by their absence. The landlords had no idea of the quantity of waste land, and how much of that again was culturable and how much unculturable. All these details have now been definitely ascertained and recorded; the amount of the rentals can no longer be a matter of speculation, and peculation of portions of the realizations by the patwaris will no longer be easy. It is impossible now for the zemindars' amin to quarrel with the ryots over the local *rassi*, and put down the areas of the holdings in accordance with his caprices; for the local standard bigha in each village has been definitely ascertained and authoritatively recorded. The record of rights will give the landlords every facility for effecting a legal enhancement of rent in the future, in accordance with rise in prices, and the boundaries, as demarcated and plotted in the maps, will, it is hoped, be effectual in preventing future litigation with neighbouring landlords. The amounts respectively payable by the landlords and tenants towards meeting the cost of the survey and settlement have not yet been declared by the Government under section 114 of the Tenancy Act, but a statement has been submitted showing the amounts for which the landlords and tenants are severally liable. In that statement the sum of 5 annas 3 pie to the acre is shown to be the share of cost chargeable to the landlords, and this sum I consider to be a very cheap price for the advantages gained by them.

As regards the tenants who will have to bear a share of the costs of survey and settlement, it is hardly necessary to point out in detail the manifold advantages the survey has effected on their behalf. The settlement may be said to have opened their eyes. They have, I believe, for the first time understood what their legal rights and status are, and now these have been safeguarded by the settlement. All of them, except the lower strata of the two unintelligent classes, the Palis and the Dessis, have eagerly sought their khatians, and asked whether these would be binding on the landlords. Was it true that the settled and occupancy ryots could not be ejected by the landlords at their will? Could they, under any circumstances, legally refuse to pay enhanced rental? Would the question of their local *rassi* crop up when the landlords shall send an amin to measure their holdings, or was it settled for good? Should they pay to the patwaris anything more than the amounts recorded in their khatians? These and several other questions which they have asked show that they have taken a keen and intelligent interest in the settlement proceedings. A large number of tenants of each village attended the amin during the measurements, and they have all more or less understood the process of measuring their holdings and the calculation of their areas. The awakening of this intelligence, and the greater interest and attachment to their holdings which this must necessarily cause, not to mention the legal protection which the khatians afford them, are benefits for which the sum of four annas to the acre—the amount of cost shown in the apportionment statement as chargeable to the ryots—does not appear to be at all too high.

As regards the litigation created by the survey, it is reported that 105 petitions were registered in the Settlement Officer's Office: 84 were disposed of summarily and 21 were tried as suits under section 107 of the Act; of these six were uncontested. No appeals were presented against the Settlement Officer's decision.

3. *Maldwar Estate.*—The survey-settlement was undertaken by the Court of Wards. The mehals constituting this estate are situated in the two districts—Dinajpur and Purneah. They do not form a compact block, but contain several villages which lie scattered widely apart from each other. As ascertained by the survey, the estate contains an area of 93,082 acres, of which 58,267 acres are cultivated, 15,942 acres cultivable, and 18,873 acres waste. The total cost of the survey and record of rights was Rs. 60,751, of which Rs. 36,113 were incurred on survey and Rs. 24,638 on settlement, the rates per acre being 5 annas 10 pies for survey and 4 annas 2 pies for settlement. The high cost of the survey was due partly to the scattered positions of the villages, and partly to the irregular supply of coolie labour, the obstruction of ryots, the passive opposition of neighbouring zemindars, the inexperience of newly-trained amins, and the insufficient support accorded to the latter by the officials of the estate.

The total cost has been apportioned as follows:—

	Rs.
Landlords	38,149
Tenure-holders	492
Ryots	22,110
Total ...	60,751

There are in the estate 13,163 rent-paying holdings, occupied by 9,421 ryots. Fair rents were settled in 6,217 cases by the mutual consent of the landlord and tenant, the result being an enhancement of Rs. 4,508, which was obtained by assessing excess land found in the possession of the ryots, after deducting 20 per cent. from the area resulting from the present survey, on the ground of close measurements. The assessment of this excess land was made at the average rate for land of the same class in the village. As regards the remaining 6,946 holdings, the existing rents were recorded. Thus for the entire estate the total new rental is Rs. 95,714, so that the enhancement is 4·71 per cent. on the previous rental (Rs. 91,206), 7·6 per cent. on the total cost of the work, and 11·8 per cent. on the proprietors' outlay.

The following account of the attitude of the tenantry is given by the Settlement Officer :—

The settlement operations were conducted without any friction or difficulty. During the early part of the operations the tenantry showed indifference by their absence from the scene of operations. The attitude shortly, however, changed from indifference and obstruction to one of eagerness and hearty co-operation. It has been stated that the impression had got abroad among the tenantry that the Settlement office was a branch of the manager's office, and that the rents were to be enhanced unusually high, and that they would gain no advantage in any way from the effects of the settlement. But when the erroneous nature of the impression was fully explained to them, they took great interest in the work. One application only was made by the tenants of lot Senua to the Commissioner of the Division in his executive capacity, stating that the manager was doing "zulum" in order to make them agree to pay enhancements. The application was sent to me for disposal. Their rents have not been enhanced in this settlement, although the manager pressed for enhancement, as I found that the ryots of this particular lot Senua had paid a high enhancement a few years ago during the time of the late proprietor, Baboo Budhi Nath Chaudhuri.

There were altogether 1,243 suits and objections. Of these, 495 were disposed of summarily, and the rest were tried by the Settlement Officer in accordance with the procedure of a Civil Court. There were six appeals preferred before the Special Judge, of which three were dismissed, two allowed, and one was still pending when the Settlement Officer's report was submitted.

4. *Shankarpur Estate.*—The Shankarpur Estate consists of villages and parts of villages widely scattered over the districts of Dinajpur, Bogra, Rajshahye, and Maldah, the principal portion being in Dinajpur, and has been under the management of the Court of Wards since 1873.

The aggregate area of the estate, as ascertained by the survey, is 157,802 acres, and the total cost of the survey-settlement was Rs. 1,31,729, of which Rs. 89,611 were for survey and Rs. 42,118 for settlement, the rates per acre being 7 annas and 3 pies and 3 annas and 6 pies respectively. The high cost of the survey is attributed to the scattered nature of the property, the necessity for measuring lands of other estates interlaced with those belonging to the

ward, and the sickness which prevailed among the establishment. The cost has been apportioned as follows:—

	Rs.	A.	P.
Ward	60,485	0	0
Co-sharer landlords and their patnidars	47,522	8	0
Ryots	23,721	8	0
Total	1,31,729	0	0

The total number of holdings in the estate is 32,607, the average size of a holding being 3 acres. The Board reported that rents were settled mainly by amicable arrangement between the management and the tenants, an allowance of 20 or 25 per cent. of the excess areas found in their possession being made to the tenants on account of the closer measurement of the professional survey, and the rest of the excess lands being assessed at the rates paid for similar lands in the village. The result has been an enhancement of the rental of the estate from Rs. 90,573-5-6 to Rs. 1,07,619-12-2, or nearly 19 per cent. on the previous rental, 13 per cent. on the total outlay, and 16 per cent. on the landlord's outlay, the increase on the ward's share being from Rs. 49,305 to Rs. 59,022. The average rate of rent on the cultivated area is stated to be Rs. 1·9-3 per acre.

The following extract from the Settlement Officer's report sums up the result of the operations:—

No obstruction or friction was met with in carrying out the settlement operations. The adoption of the English standard bigha for assessment in the estate Jehangirpore created dissatisfaction among the tenants, but it was removed by the granting of a larger allowance arranged amicably between the tenants and manager. The manager of the estate had taken an active part in conducting the demarcation, and rendered me assistance in the work of settlement generally.

Soon after the commencement of the present survey all the ryots appeared to have been frightened on seeing their lands measured by chain instead of *rassi*, which was used in the previous settlements, and to think of the probable enhancement that might result from the new mode of survey and settlement under the Tenancy Act, and under that impression several tenants filed *istafanama* of their holdings in the Munsif's Court of Balughat and were willing to run away. To remove such sensation among the illiterate tenants, I had to take much trouble to explain to them the provisions of the law whenever I visited the villages to test the amins' work. I gave them assurance that their due claims would by no means be overlooked. But at last, when they came to understand, after the settlement of a few *tarafs* had been completed, that the intention of Government by the present settlement was to protect the tenants from the exercise of the illegal proceedings of their zemindars of depriving the ryots of their legal rights to hold the lands, and to prevent further litigation between the tenants respecting their holdings—at the same time to prepare correct records to enable the landlords to realize their just dues—they began to appreciate and take interest in the matter by attending the amins regularly to point out their lands and to clear up the errors that crept in the records during the khanapuri. They appear now to have been satisfied with the concessions allowed to them for different systems of measurement. The fact that the tenants have appreciated the benefit of the present survey and settlement is apparent from the earnestness with which they came forward with applications to have their lands measured that came under cultivation since the survey. The reduction of *istafanamas* and increase of transfer of holdings since the completion of settlement of villages clearly shows how the tenants liked the proceedings. * * * * * * The cost-rate of the Shankarpur settlement cannot be considered as an index to the probable cost for such operation in a healthy district, in which the estates are compact and the survey records are properly prepared.

Of 2,265 petitions filed, 918 were summarily settled, and the remaining 1,347 objections were tried as civil suits by the Settlement Officer. Of the latter, 467 suits were amicably settled; in 14 cases the plaintiffs were permitted to withdraw from the suits, and 866 objections were regularly contested. Twenty-one appeals were preferred against the decision of the Settlement Officer, of which 6 were dismissed, 3 decreed, and 2 remanded for retrial; and the remaining 10 were pending when the settlement report was submitted.

5. *Srinagar-Banaili Estates.*—These estates are situated in the districts of Bhagalpur, Monghyr, Purneah, Maldah and Darbhanga, and are owned jointly by the Srinagar Ward and Raja Pudmanand Singh of Banaili. The villages in Bhagalpur and Monghyr lie in comparatively compact blocks, but the estates in the three other districts are much scattered. Proceedings were initiated, with the object of ascertaining and recording existing rents, on an application from the Court of Wards, in which Raja Pudmanand Singh, the co-sharer in the greater part of the property, joined. The total area surveyed

was 447,189 acres, but the total area settled was only 426,652 acres, the remainder having been excluded from settlement on account of lands belonging to other proprietors having been found interlaced with the surveyed area, and for other reasons. The cost of survey was Rs. 1,32,328, and that of settlement is estimated to be Rs. 1,62,000, the total cost of the operations thus being Rs. 2,94,328 or annas 10-6 on the total area surveyed. The causes which have rendered the settlement expensive and protracted are reported to be the scattered nature of the estates, disputes as to the standards of measurement and as to existing rents, the large number of objection petitions filed, the necessity of making a fresh copy of the records for the proprietors, and the remand during 1890 of 14 boundary disputes for retrial. As regards apportionment of the cost, it has been decided that the ryots should pay 2 annas an acre on the area of their holdings, the balance being paid by the landlords according to their several interests; but as the operations are not yet quite concluded, it is not possible to state the exact sum payable by the parties concerned.

The following extracts from the Settlement Officer's report show the results of the survey-settlement:—

Excluding the pergunnah of Akbarabad and a small area in the Kotwalli pergunnah, in the Maldah district, the records of which are not yet complete, the result of the record and settlement of rentals shows that the nominal rent-roll has increased from a demand of Rs. 4,68,328 to Rs. 4,69,498, or an increase of Rs. 1,170, equal to an increase of 23 per cent. There has been an increase of rental in Bhagalpur and Maldah, and a decrease in Monghyr, Purneah, and Darbhanga. The decrease is a decrease in the rent-demand, and is due not to any arbitrary reduction of rent or rates of rent, but to the settlement of disputes as to existing rates. There has been a real increase of Rs. 22,020, that is to say, the total rental, after striking out the disputed claims, has been increased by that sum in consequence of the settlement. The record and settlement of rents has performed two functions: firstly, the rent-roll has been cleared of disputes, and, secondly, an increase of Rs. 22,020, equal to 4·7 per cent., has been obtained. With regard to the first point it is to be remembered that the landlords' rent-roll was known to be in confusion, and the rent demand was never collected in full. The object of the settlement was to clear up these disputes, and not to effect an enhancement of rents. I have noted some of the causes of the confusion which was greatest in the Nohatta tehsil of the Bhagalpur district. It arose chiefly from the system of letting out villages in lease, under which the lessees endeavoured to enhance the rates or, at least, to gain an addition to the rental during the period of their leases.

* * * * * * * *

The value of the settlement is not to be tested by the increase of rent obtained. This increase is small, amounting to 4·7 of the ascertained rent demand. It gives a return of a little over 7 per cent. on the outlay. The object of the settlement was, however, not to enhance rents, but to clear up the confusion in the rent-roll, and to enable the rent to be punctually collected. The effect of the decision of disputes as to rents may be judged by the fact that in 1886-87 the rent collections of the Srinagar Estate were only 63 per cent. of the demand, whereas in 1889-90 112 per cent. of the demand, and in 1890-91 125 per cent. was collected. Apart from the adjustment of the rent demand, the records will enable the estates to prevent unauthorised encroachments and additions to holdings. This result will be especially valuable in the Purneah district, where, in the absence of any records or measurement papers, the raiyats had taken possession of large areas without payment of rent, and in many cases had converted lands into rent-free tenures supported by deeds of sale and other documents, which the landlords were unable to disprove. In future, the proprietors will be in a position to prevent any further accretions to such rent-free tenures as now exist.

As regards the attitude of the parties concerned, the Settlement Officer reports as follows:—

The attitude of the landlords and tenants towards the survey and settlement was varied. At first there was considerable opposition from both sides. The local agents of the estates gave little help, and the raiyats were naturally afraid of the proceedings. Matters improved when the present manager was appointed, but a great deal had of necessity to be left to the inferior agents, who often appeared unreasonable in their claims and disposed to press demands which they were unable to prove. The fact that the landlords only gained decrees in 59 per cent. of the contested cases shows that the claims of the landlords were in many cases unreasonable. The raiyats, as a rule, showed no disposition to hold aloof from the proceedings. They readily came to the Settlement Officer's camp to have the entries explained, and appeared to take great pains to have their records correctly prepared. The large number of objections filed is a proof of the interest taken in the proceedings. The Collector of Bhagalpur, who is responsible for the Court of Wards' estate, has throughout the operations rendered me much assistance. The only instance of organized opposition has occurred in the Akbarabad pergunnah of the Maldah district, where the proceedings are still delayed in consequence of the refusal of the raiyats to have the entries in the records tested. The dispute arose over the standard of measurement, and when this was judicially decided after an appeal to the Special Judge, the raiyats still held aloof, and claimed that all should

be recorded without proof as raiyats at fixed rents. It has been pointed out to them that if they can prove such rights, they will be registered, but few of them are able to do so, and hence they have adopted an attitude of sullen opposition. Measures are being taken by the officer left in charge of the operations to complete the records of the area in dispute, which consists of 22 villages and about 12 square miles.

There was a considerable amount of litigation in this estate, due to long-pending disputes and the confusion in the landlords' records. The case-work of the Settlement Officer was as follows:—

(1) Objection suits under section 106 of the Bengal Tenancy Act		2,852
(2) Suits under section 104(2) for settlement of fair rents	...	632
(3) Boundary disputes	...	368
Total	...	3,852

Of the suits under section 106, 1,743 were brought to trial and decided, and of the 632 suits for fair rents, 477 eventually came to trial. There were also about 20,000 petitions of objection against entries in the record, and these were all heard and the entries corrected, if necessary, on the spot.

The following is a statement of the appeals preferred against the decision of the Settlement Officer:—

Class.	Total number.	Decision upheld.	Modified.	Reversed.	Remanded.	Struck off.	Pending.
Appeals to the Commissioner in boundary disputes cases ...	67	39	2	7	14	4	1
Appeals to the Special Judge against decisions under section 104(2) and section 106 of the Bengal Tenancy Act.	271	123	34	68	13	18	15

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Secretary to the Government of Bengal.

RESOLUTION REVIEWING THE REPORTS ON THE WORKING OF DISTRICT BOARDS DURING THE YEAR 1890-91.

MUNICIPAL DEPARTMENT—LOCAL SELF-GOVERNMENT.

Calcutta, the 11th December 1891.

RESOLUTION No. 2803.

READ—

The reports from the several Commissioners of Divisions on the working of District Boards in Bengal during the year 1890-91.

Read also—

The Resolution reviewing the Divisional Reports on the working of District Boards in Bengal during the year 1889-90.

Commissioner of Rajshahye, 24th August 1891.
Commissioner of Dacca, 27th August 1891.
Commissioner of Patna, 2nd September 1891.
Commissioner of Presidency Division—Report, 5th September, and Statements, 16th September 1891.

The date fixed for the submission to Government of the District Board reports is 31st July, but only three out of the eight reports were received on or about the prescribed date. Those shown on the margin were submitted especially late. The Lieutenant-Governor trusts that steps will be taken to ensure the earlier preparation of these reports in future.

2. The year under review was the fifth in which the Bengal Local Self-Government Act, III (B.C.) of 1885, was in operation. As in the preceding year, there were 38 District Boards, in whom the administration of local affairs was primarily vested, and 106 Local Boards working in subordination to them. The area under their jurisdiction was 109,429 square miles, and the total population, as returned by the local officers, 59,313,428. This figure, however, will be subject to correction when the returns of the last census have been finally compiled. All the District Boards were presided over by the Chairman, who is the Magistrate of the district. Some of the District and Local Boards completed their three years' term of existence during the year, and were reconstituted. The system of election, which was extended to the district of Mymensingh in 1889, was brought into operation there during the year, and is said to have aroused a fair amount of interest throughout the district, except in three thanas of the Jamalpur sub-division, where the elections were a failure. Regarding the elections held in Backergunge, Mr. Savage, the Magistrate, writes—

"The interest taken in the elections varied greatly in different thanas. Generally speaking, the Hindu voters had more idea of what they were voting for than the Mussalman voters had. The latter indeed, in general, only came forward because it was the wish of their zemindars they should do so; and if left to themselves I doubt whether any of them would have taken the trouble to attend at the poll. The members were in general either zemindars or talukdars with local influence, or pleaders and others put forward by them."

3. *Constitution of District Boards.*—On the 31st March last the 38 District Boards contained in all 755 members, exclusive of the Chairmen. The decrease in the strength of members is due to the reduction of the maximum strength of the Midnapore District Board from 36 to 24, of the Bhagulpore District Board from 40 to 30, and of the Rungpore Board from 30 to 20. All of which, as was remarked in paragraph 7 of the Resolution on the working of District Boards during the year 1888-89, had been found inconveniently large for actual work. The numerical strength of the Tipperah District Board was increased by five members with a view to provide a sufficient number for the Standing Committees. Of the 755 members on 31st March 1891, 148 held their seats *ex-officio*, 284 were nominated by Government, and 323 were elected by the Local Boards. Of the entire number, 220 were official and 535 non-official members. The number of Europeans or Eurasians and natives of the country respectively was 163 and 592. The average number of meetings held by each District Board was 12, which shows that the instructions conveyed in paragraph 7 of

the Resolution reviewing the reports on the working of the District Boards in Bengal during the year 1888-89, regarding the holding of meetings at least once a month, were attended to during the current year. The largest number of meetings (19) was held by the District Board of Durbhunga; the Noakhali and Sarun District Boards come next with 18 meetings each; while the Pubna, Dinagepore, Mymensingh, and Furreedpore District Boards show 17 meetings each.

4. The Boards that met least often were Hooghly, Jessore, Rajshahye, and Julpaiguri (8 meetings each), and the Nuddea, Khulna, Mozufferpore, Rungpore and Dacca District Boards (9 meetings each). The Chairman of the Hooghly District Board pleads that there was no business for more meetings. On this the Commissioner remarks that "if little districts like Beerbhoom and Bankoorah can find enough work for 15 meetings, there ought to be no trouble in the case of Hooghly. Where a Board finds its affairs managed for it, the attendance is apt to fall off, and this is just what has happened at Hooghly." The Chairman of the District Board of Jessore states that through an oversight the new Board was not actually formed until June, and that there was no meeting either of the new or the old Board from April to June. The Commissioner of the Division, however, does not consider the number of meetings sufficient when it falls below one in every month, or that the attendance indicates an eager interest on the part of the members when half of them are generally absent at every meeting. In the case of the other districts mentioned above no attempt has been made to explain why so few meetings were held.

5. Taking all the Boards together, the average attendance of members at each meeting was 9·68 against 8·98 in 1889-90. It was best in Rungpore, 24-Pergunnahs, Rajshahye, Backergunge, Dacca, Midnapore, Shahabad, and Chittagong, and worst in the four districts noted in the margin, where it was below one-third of the actual strength of the Boards.

Dinagepore	5·05
Julpaiguri	5·62
Gya	5·7
Chumparun	5·7

No reason is assigned for the small attendance in Gya and Dinagepore. The short attendance in Julpaiguri is attributed to an outbreak of cholera in the district and to the unusually heavy rains during the year. In Chumparun it is said to be due to the fact that many of the members live at a long distance from the head-quarters, and will only attend when some matter of special interest is before the meeting. As regards Rungpore, the Chairman writes—

> "The attendance of members at Board's meetings was not as large as it should have been. An average number of 12 present out of 20 members leaves much to be desired. I am glad to report, however, that the degree of interest shown in the public duties continued to increase during the year under report. The discussions of the meetings were often keen and evoked a considerable display of intelligence and grasp on the part of most of those who took part therein."

The attendance of the official members was bad in 24-Pergunnahs, Backergunge, Rajshahye, Dinagepore and Burdwan. The attendance of the non-officials was on the whole fair, except in Julpaiguri, Maldah, Chumparun, and Gya. In the worst cases of continuous non-attendance on the part of individual members action was taken under the provisions of section 18 (*c*) of the Act. The Commissioner of Rajshahye writes that the non-official members were everywhere, except in Julpaiguri, more regular in attendance than they were the year before; while the official members showed greater apathy everywhere except in Julpaiguri. In Chittagong, on the other hand, each official attended on an average about one meeting more than each non-official member.

6. *Constitution of Local Boards.*—Appendix I (*b*) shows the constitution and attendance of the Local Boards. The 106 Local Boards had, on the 31st March 1891, a total strength of 1,206 members, excluding the Chairmen. The extension of the elective system to the district of Mymensingh necessitated an increase in the number of members fixed for the several Local Boards in the district from 44 to 64. The number of members of the Arrah Local Board was reduced from 30 to 20, agreeably to paragraph 8 of the Resolution on the working of District Boards during 1888-89; but the Midnapore Local Board having been reconstituted only lately, it was decided to postpone the reduction of its strength till the next general

elections of 1892. Of the 1,206 members on the 31st March 1891, 115 were officials and 1,091 non-officials. In proportion to the total number of members, the European and Eurasian element is even more sparsely represented on the Local Boards than it is on the District Boards, there being only 94 out of 1,206.

7. The Local Boards held 882 meetings, or 94 more than in 1889-90. The largest number of meetings was held by the Local Boards of Rampore Hât and Pubna (18 each); Durbhunga comes next with 16 meetings. No less than 89 Local Boards failed to meet once a month. The Local Boards that met least often were those noted in the margin. The number of meetings held in Tipperah, the only district in the Chittagong Division where these Boards exist, is said to correspond fairly with the work and powers entrusted to the Board. The fewness of the meetings of the Hajipore Local Board is attributed to the fact that, in order to avoid delay in the despatch of business, much of the routine work was performed by the Chairman or Vice-Chairman, with the express or implied consent of the Boards. The Commissioner, however, does not consider this explanation satisfactory. The average attendance at the meetings of the Local Boards was 5·41 against 5·69 in 1889-90. On this subject Mr. Toynbee, the Commissioner of Orissa, writes:—

Mehorpore	2
Dum-Dum	3
Hajipore	3
Bissenpore	4
Midnapore	4
Jessore . ..	4
Basirhat	4
Munshigunge ..	4
Tipperah ...	4
Pooree	4

"Mr. Allen, the Chairman of the Pooree District Board, makes the following pertinent remarks :—'As the Local Board had not much work to do, only four meetings were held. If Local Boards would meet more frequently in order to discuss local requirements, and to prepare schemes for the consideration of the District Board instead of leaving the whole initiative with the official Chairman of the District Board, they might become far more useful than they are now.' This is very true. The excuse of 'no business' is a very common one, but it cannot be accepted. The whole object of the existence of the Local Boards is to make work for themselves and the District Boards by bringing local wants to notice and arranging to meet them in the best possible manner. Thus only can real Local Self-Government exist in more than name."

8. The following table classifies the members of the several District and Local Boards according to their professions and occupations:—

		Government servants.		Zemindars, talukdars and zemindars' servants.		Pleaders and mukhtears.		Planters.		Missionaries.		Other occupations.		Total number of members.
		No.	Ratio per cent.	No.	Ratio per cent.	No.	Ratio per cent.	No.	Ratio per cent.	No.	Ratio per cent.	No.	Ratio per cent.	
Burdwan Division ...	District Boards ...	28	26·9	31	29·8	33	31·7	4	3·8	1	·9	7	6·7	104
	Local Boards ...	20	12·2	113	47·9	64	27·1	5	2·1	.	.....	25	10·5	236
Presidency Division ...	District Boards ...	31	29·8	33	31·7	20	19·2	11	10·5	1	·9	8	7·7	104
	Local Boards ...	18	7·1	146	57·9	50	19·8	3	1·1	1	·4	34	13·4	252
Rajshahye Division ...	District Boards ...	32	30·7	39	37·5	17	16·3	4	3·8	1	·9	11	10·5	104
	Local Boards ...	4	4·4	52	57·8	19	21·1	......		......	.	15	16·6	90
Dacca Division ...	District Boards ..	27	27·	20	20·	40	40·	...	...	..	....	13	13·	100
	Local Boards ...	19	9·9	65	33·9	80	41·6	... .	...	... ..	. ..	28	14·5	192
Chittagong Division ...	District Boards ...	18	36·	18	36·	10	20·	4	8·	. ...	...	.	.. .	50
	Local Boards ...	2	7·4	15	55·6	8	29·6	.. ..	. ..	... ..	....	2	7·4	27
Patna Division ...	District Boards ...	49	31·4	56	35·9	28	17·9	20	12·8		...	3	1·9	156
	Local Boards ..	28	13·3	109	51·7	39	18·4	25	11·8	... ..		10	4·7	211
Bhagulpore Division ...	District Boards ...	16	17·8	37	41·1	18	20·	12	13·3	.	. .	7	7·7	90
	Local Boards ...	6	4·9	69	56·1	23	18·6	9	7·3	1	·8	15	12·1	125
Orissa Division ...	District Boards ...	18	38·3	12	25·5	10	21·2	. .	......	3	6·4	4	8·5	47
	Local Boards ...	18	24·	34	45·3	15	20·	. ...	..	2	2·6	6	8·	75
Grand Total ...	District Boards ..	219	29·1	246	32·5	176	23·3	55	7·2	6	·7	53	7·	755
	Local Boards ...	124	10·3	603	50·	298	24·7	12	3·4	4	·3	135	11·1	1,206

It will be seen from this statement that the measure of representation obtained by different classes on the District Boards corresponds fairly on the whole to the degree of influence which each class commands in the country. In the Local Boards the zemindari element, as might be expected, largely predominates, while Government servants, who on District Boards almost equal the representatives of the landholders and outnumber the pleader class, are on Local Boards largely outnumbered by both of these classes. The Commissioner of the Presidency Division states that the Mahomedans, as compared with the Hindus, are not numerically fairly represented, but that good representatives of them are on the Boards. The Commissioner of the Orissa Division remarks that pleaders and Government servants form more than 50 per cent. of the

members, a figure quite out of proportion to their actual numbers. The Commissioner of the Presidency Division writes—

"It will be seen that of the total number of members in the division, the percentage of zemindars is, as it should be, the largest, and next to it is that of pleaders and mukhtears, which I cannot consider satisfactory, as such men are seldom really interested in local affairs, and think more of the pleasures of administration and patronage than of the work which has to be done"

9. *Powers of Local Boards.*—There has been no change in the powers delegated to the Local Boards. They continue to administer the grants for village roads, pounds, ferries, and primary education, and in some places the supervision of dispensaries, sanitation and medical relief is also entrusted to them. The Bankoora Local Board is stated to object to taking over money for any purpose—a position which the Commissioner rightly describes as "a strange shrinking from responsibility." In Howrah the Boards wish to have their powers enlarged, but the Magistrate has withheld his consent on the ground that the small size of the district renders any such delegation unnecessary. The Commissioner of Burdwan thinks that the management and control of pounds might unobjectionably be made over to all the Local Boards in his Division. The abuses so often connected with them would then, in his opinion, stand a better chance of being exposed and remedied. The Chairman of the Commillah Local Board suggested the delegation of additional powers to the Board, on the ground that the care of village roads is not sufficient to occupy the time of the members: but the Magistrate of the district thought it undesirable to withdraw the duty of supervising primary education, pounds, and ferries from the District Board. On this Mr. Oldham, the Commissioner of the Division, remarks—

"The Chairman of the District Board does not seem to put this quite correctly. There is no question of withdrawing the duty of supervising primary education from the District Board, but of giving the management of its details to the Local Board within its local area. I think the complaint of the Chairman, Local Board, is just and constitutional, and will ask the District Board to consider it."

The Commissioner of the Presidency Division finds no conspicuous instances of Local Boards having worked well and taken interest in the administration of the matters placed under their charge. It is admitted that the Boards at Meherpore and Kooshtea did not work satisfactorily, and though Bussirhat did well in the matter of pounds, the action of the Local Boards generally is described as very far from efficient as regards pounds and ferries, and the Commissioner says that the principal sign of energy apparent is the demand for increased funds for village roads. In Mozufferpore the District Board found it necessary to withdraw from the Local Boards the control over educational matters which had been delegated to them.

The question of the working of Local Boards is not dealt with in the reports so fully as might perhaps have been expected, and on the incomplete evidence available, the Lieutenant-Governor is unwilling to record any final expression of opinion. The problem of distributing administrative functions between district and local authorities is one of considerable difficulty, and can only be solved by experience. Speaking generally, the Lieutenant-Governor would wish the Local Boards to be treated in a liberal manner and given as extensive powers as circumstances in each case appear to render possible. Experiment alone can determine the best mode of dividing authority between them and the District Boards. In next year's reports the subject should be handled at greater length.

10. *Union Committees.*—No Union Committees have yet been appointed, and the correspondence that has taken place on the subject shows a great divergence of opinion on the part of the officers who have been consulted. It is clear, however, that it would be premature to initiate a new administrative departure of this kind before the relations of District and Local Boards have been finally settled and have stood the test of several years' experience. Sir Charles Elliott therefore does not anticipate that any immediate necessity is likely to arise for appointing Union Committees.

11. *Financial results.*—The year opened with a balance of Rs. 19,33,291 (corrected figures) while the receipts during the year amounted to Rs. 58,67,818.

The total amount available for expenditure was thus Rs. 78,01,109. The principal items of income and expenditure for this and the preceding year are given below:—

	Income.	1889-90. Rs.	1880-91. Rs.
I.	Land Revenue	15,945	33,837
VI.	Provincial Rates	34,32,574	33,38,524
XII.	Interest	609	569
XVII.	Police (including pounds)	3,94,694	4,43,775
XIX.	Education	30,561	33,496
XX.	Medical	7,625	7,035
XXI.	Scientific and other Minor Departments	1,648	1,425
XXX	Miscellaneous	1,39,874	1,31,538
XXXII.	Civil works (including ferries)	3,28,314	3,73,379
	Contributions	11,02,398	8 13,129
	Debt	8,19,261	6,91,111
	Total	62,73,403	58,67,818

	Expenditure.	1889-90. Rs.	1880-91. Rs.
1.	Refunds	13,601	4,936
18.	Administration	2,58,533	2,65,885
20.	Pounds	23,589	29,618
22.	Education	10,04,140	10,01,855
24.	Medical	42,546	58,519
26	Scientific and other Minor Departments	5,219	3,665
29.	Superannuation allowances and pensions	1,209	23,828
30.	Stationery and printing	48,057	46,446
32.	Miscellaneous	43,365	46,686
33.	Famine Relief	2,59,967	1,21,034
41.	Railways	Nil.	171
43.	Minor works and navigation	4,373	7,763
45.	Civil works	38,42,381	39,37,161
	Contributions	Nil.	6,145
	Debt	6,25,260	5,75,891
	Total	61,72,240	61,29,603

INCOME.

12. *Land Revenue.*—Of the total income under this head, Rs. 10,227 represent canal tolls realized in Chittagong, and Rs. 15,461, the proceeds of trees, grass, &c., sold by the Boards. Compared with the previous year, in which it fell off by Rs. 2,213, the Chittagong canal revenue shows an increase of Rs. 862. The fluctuation is said to be due to silting and silt clearing. The increase of Rs. 17,892 in the total realized under this head of Land Revenue is due in some measure to the fact that in the Chittagong Division certain collections which were last year credited to Miscellaneous were treated as Land Revenue in the year under review.

13. *Provincial Rates.*—The income derived from Road Cess declined from Rs. 34,32,574 to Rs. 33,38,524. In some districts the decrease is ascribed to bad collections; in others to the heavy expenditure incurred in the establishment entertained for revaluation of cess-paying property. The income from this source is, however, expected to rise as revaluation operations progress. The entire subject has been discussed at length in reviewing the Board's Cess Report.

14. *Pounds.*—The receipts from pounds show an increase from Rs. 3,94,594 to Rs. 4,43,775, which is shared by the 21 districts named in the margin. The remaining districts show a decrease. The increase is variously attributed to the larger number of pounds established; to higher bids at auction; to farmers paying in with greater punctuality; and to the collection of outstanding balances. The decrease is put down to the high floods of the year which submerged the fields and stopped both cattle-trespass and the impounding of cattle; to change in the system of keeping accounts; to closing of pounds; to keen competition during the previous year which acted injuriously on the collections of 1890-91; to

Bhagulpore. | Purneah. | Rajshahye. | Dinagepore. | Rungpore. | Bogra. | Beerbhoom. | Midnapore. | Backergunge. | Dacca. | Mymensingh. | Patna. | Gya. | Nuddea. | Jessore. | 24-Pergunnahs. | Khulna. | Balasore. | Chittagong. | Tipperah. | Noakhally.

non-settlement of pounds for want of bidders; and to the default on the part of the farmers.

In Moorshedabad the administration of pounds was entrusted as an experiment to the Local Boards, with the result that the annual settlements fell off, and a considerable balance was left unrealised at the close of the year. The District Board has since resumed the management, and the income of the pounds is said to have recovered. In the 24-Pergunnahs it is stated that the collections of the year were the largest ever credited to the District Board, owing partly to enhanced rents at which some of the pounds were settled, and partly to the realization during the year of a portion of the outstanding balances of the previous year. The Burdwan Local Board is reported to have in two years raised the number of pounds under them from 67 to 171, while the rest of the district has only 54. The Commissioner remarks—

> No other district in the division indulges in such a number, and the carelessness in accepting lessees is evidenced by the poorness of the collections. The Chairman thinks the number should be revised and reduced, and he should take measures in this direction.

In the Shahabad district the receipts from pounds being on the decrease, the Board recently introduced the system of triennial settlement with proper provisions in the lease for keeping the buildings in an efficient state of repair by the lessees. The system of inspection of pounds by Sub-Inspectors of Police introduced in this district is said to have worked well. All the pounds were inspected by the police officers in consequence of which their general condition has improved. At the public auction of pounds in Noakhally, some bidders were found to be fictitious, and prosecutions were instituted against them under section 185 of the Penal Code. An inspector of pounds and ferries has been appointed in this district since the close of the year. In Tipperah the services of the pound sub-inspector experimentally appointed have been retained for one year more, as the revenue rose with the appointment of an establishment for the stricter supervision of pounds. The Chittagong District Board is about to try the same plan. In the districts of Dacca and Furreedpore an inspector was appointed during the year to supervise the management of ferries and pounds by the farmers. In the Cuttack district the inspection of pounds by Sub-Inspectors of Schools having been objected to by the officers of the Education Department, the District Engineer has been asked to arrange for their inspection by himself and his subordinates. In some districts the system of payment by regular instalments is not enforced. It is regulated according to the different seasons at which crops are most liable to damage from cattle trespass. The Chairman of the Pooree Local Board remarks that "pounds under direct management bring in practically no income, while those that have been farmed pay something and are better managed." The question of farming pounds has recently formed the subject of correspondence with the Government of India, and the Lieutenant-Governor has now under consideration the necessity of introducing certain safeguards against the abuse of the system on the part of the lessees.

15. *Education.*—The total receipts from this source increased from Rs. 30,561 to Rs. 33,496. Compared with the previous year, the receipts in all the districts of the Chittagong Division show a considerable increase, of which more than two-thirds were in Chittagong, consisting of the fees derived from four Model Schools (Middle Vernacular) which were taken over by the District Board from the Education Department. The receipts from the Model Schools in Beerbhoom and Howrah during the year 1889-90, which amounted to Rs. 1,775, were not credited to the respective District Funds. This accounts for the large increase noticeable in the figures shown against those two District Boards for 1890-91. The increase in Pooree is due to the rates of school fees in Board schools having been raised during the year, and in Purneah to the subscriptions raised for the establishment of a technical school. The increase in Backergunge and Moorshedabad has not been explained. The decrease which occurred in Shahabad was due to the refund to Government of a sum of Rs. 606 on account of surplus balance of middle schools, while in Durbhunga it was due to the abolition of two middle schools. A similar decrease in Midnapore is attributed partly to the removal of the middle vernacular

school from Gurbetta to Jagardanga and partly to the falling off in the number of pupils of the Board schools at Samsabad and Daulia. The small fluctuations in the other districts call for no remark.

16. *Medical.*—The total income of Rs. 7,035 under this head was chiefly derived from contributions, and, compared with the previous year, it shows a decrease of Rs. 590.

17. *Miscellaneous.*—The receipts under this head fell from Rs. 1,39,874 to Rs. 1,31,538. Fees, fines, and forfeitures yielded only Rs. 1,15,095 against Rs. 1,27,154 in the preceding year, while the proceeds of staging bungalows rose from Rs. 7,502 to Rs. 10,188.

18. *Ferries.*—The income from this source increased from Rs. 2,84,164 to Rs. 3,38,558. The increase is shared by all the districts except Cuttack, Balasore, Durbhunga, Chumparun, Gya, Burdwan, Howrah, Dinagepore, Bogra, Pubna, and Julpaiguri. The decrease in Cuttack is due to the loss incurred on the resale of certain ferries, the farmers of which defaulted, and in Balasore to the opening of the Coast Canal and the consequent diversion of pilgrim traffic from the Juggurnath Road. The falling off in the receipts in Durbhunga is said to be more apparent than real, as a sum of Rs. 5,938, which was paid by the farmers as their security money for the year under report, was received and credited in 1889-90. The decrease in Chumparun is partly attributed to the same cause, and partly to the fact that the demands for the last quarter of the year for the two combined ferries—Sukhua and Hussoni—were outstanding at the close of the year. In Hooghly it is due in part to the abolition of tolls on Hooghly bridge, which has lessened the receipts of the ferry at Fulta, and in Burdwan to a considerable falling off of the receipts of the Mejhia ferry on account of the opening of the Bengal-Nagpore Railway. The falling off in Pubna is attributed to the high floods which kept the ferries closed for a length of time and diminished the income of ferry farmers, who in consequence failed to pay up their dues. In Dinagepore and Bogra the decrease is said to be owing to there being no competition among the farmers, and in Julpaiguri to ignorance of the rule that one-fourth of the rents paid in advance by the pound farmers during the preceding year, and entered as deposits, has to be transferred to the accounts of the succeeding year. The decrease in Gya is too small to require any explanation. The increase in Patna is attributed to the combination of ferries on both sides of the Ganges, and the division of the proceeds between the opposite districts, which was carried into effect during the year. In the case of the 24-Pergunnahs the Commissioner remarks:—

> Although there was an increase in the demand, the close of the year showed a decrease of Rs. 4,026 as compared with the year preceding. The Chairman does not consider this branch of the Board's work satisfactory. He observes that great laxity has been allowed in the recovery of ferry rents, and that for years past the actual collections have fallen very short of the demand; that the stipulations as to security have been so worked that the so-called security deposit has come to be only an advance payment. The Chairman reports that this is now being attended to.

The Chairman of the District Board of Moorshedabad observes "that the receipts from this source would have been much greater during the year, as the ferries were all settled at very high rents, the bidders expecting large profits from the concourse of pilgrims for the *Ardhodoy Joga*, and having offered larger rents than ever; but their anticipations were disappointed by the high floods."

Ferries in Howrah are reported to have suffered greatly from the competition of river steamers. The silting up of the mouth of the Gyeghatta canal, which is now fordable for nine months in the year, has entailed on the District Board an annual loss of nearly Rs. 6,000. The Noakhali District Board is said to have got into difficulties with some defaulting farmers, and, owing to irregular lettings, lost their cases in the legal proceedings which ensued. The steam ferry between Naraingunge and Munshigunge continued to be managed by the District Board of Dacca. There was, however, a decrease in the receipts from the ferry, which is ascribed to the fact that no *Nangulbund Snan* took place during the year, that the *Kartick Baruni* fair was not so flourishing as in previous years, and that the steam-launch was laid up for about a month and a half for survey and repair.

19. *Contributions.*—The contributions to District Boards from Provincial revenues amounted to Rs. 8,12,454 against Rs. 10,98,148 in 1889-90. The large

increase in the previous year was chiefly due to the inclusion of the contributions of Rs. 1,36,728 and Rs. 37,108 made to the District Boards of Durbhunga and Mozufferpore, respectively, towards expenditure on relief works, and to the grants made for previous years to the District Boards of Furreedpore, Cuttack, and Tipperah, and to the several District Boards in the Burdwan Division having been drawn in 1889-90.

20. *Debt.*—The receipts under this head, which besides loans include deposits made by farmers of pounds and ferries as security for payment of revenue, and advances given by the Boards for the execution of works to be recovered by subsequent adjustment, fell from Rs. 8,19,261 to Rs. 6,91,111. The decrease was very large in the districts of Patna, Mozufferpore, and Durbhunga, and in the case of the two latter districts is mainly due to the fact that an unusually large sum advanced for famine relief works was adjusted in the preceding year. In Patna it was due to the fact that the ferries and most of the pounds were leased out in the year 1889-90 for three years, and security deposits were taken in that year, in consequence of which no deposits were received during the year under review.

21. *Loans.*—No loans were granted during 1889-90. The Dinagepore District Board drew in 1890-91 the first instalment, Rs. 40,000, of a loan of two lakhs from Government for the construction of permanent bridges on the district roads. The Julpaiguri District Board borrowed from Government Rs. 25,000 for the construction of four large bridges on the Central Emigration road, an important feeder to the Haldibari railway station. A loan of Rs. 80,000, to be paid by two equal instalments, was granted during the year to the District Board of Patna for the purpose of completing the construction of bridges on the roads from Buktearpore to Behar, and from Masourhi to Pabhera. The first instalment was received by the Board in December 1890.

EXPENDITURE.

22. *Administration.*—The charges under this head amounted to Rs. 2,65,885 against Rs. 2,58,533 in the preceding year. The creation of new posts, the grant of annual increments to employés, enhanced payments by way of percentage for the establishment of the offices of account and control, and heavier charges for the travelling expenses of members of District Boards under section 53 of the Act, are the main causes referred in explanation of the increase.

23. *Pension and Provident Fund Rules.*—In the original orders which were published by this Government on the 29th October 1889 regarding pensions to Local Fund employés, the creation of a Provident Fund was distinctly held out to local bodies as the first of the alternatives before them for consideration; and in a subsequent circular, dated the 12th January 1891, the special advantages of this system both as regards efficiency and economy were explained at length. A set of Model Rules for the administration of Provident Funds for the employés of District Boards was prepared with the approval of the Government of India and circulated for the guidance of local bodies. These rules were to apply only to those whose whole service has been or will be under the District Board, while employés transferred from pensionable service under Government or under the late Road Cess Committees were to come under the Pension Rules. Provision was accordingly made in the rules for the administration of the Provident Fund for the levy of a contribution from every employé of the former class at the rate of 6¼ per cent. of his salary. The District Boards of Patna, Mozufferpore and Monghyr have already adopted the Provident Fund for those employés whose whole service has been or will be under the Board, and it is believed that other local authorities will follow their example.

24. *Pounds.*—The expenditure under this head amounted to Rs. 29,618, being Rs. 6,029 in excess of that incurred during the year 1889-90. This small increase is probably due to the appointment of pound-inspectors in certain districts.

25. *Education.*—The educational expenditure of District Boards during the year under report amounted to Rs. 10,01,855 against Rs. 10,04,140 in the previous year, showing a decrease of Rs. 2,285. The following table summarises the statistics as they are presented in Appendix C of the Commissioners' reports:—

	Schools maintained by District Boards.			Schools aided by District Boards.			Total expenditure from District Funds.
	Number of schools.	Number of scholars on 31st March 1891.	Expenditure from District Funds.	Number of schools.	Number of scholars on 31st March 1891.	Expenditure from District Funds.	
Secondary Education.			Rs.			Rs.	Rs.
High and Middle Schools.							
For boys—							
High schools ... English ..		...	..	5	266	1,126	1,126
Middle schools ... English ...	14	985	8,167	447	30,233	1,07,868	1,16,035
Middle schools ... Vernacular ...	147	8,231	55,769	563	27,549	68,237	1,24,006
For girls—							
Middle schools ... Vernacular ...	...	...	...	1	217	72	72
Total Secondary schools ...	161	9,216	63,936	1,016	58,265	1,77,303	2,41,239
Primary Education.							
Primary Schools (Vernacular.)							
For boys—							
Upper primary	9	238	952	2,749	96,450	1,36,108	1,37,060
Lower ditto	2	48	206	31,455	6,85,350	2,73,510	2,73,716
For girls—							
Upper primary	.	...	...	40	847	4,149	4,149
Lower ditto	...	...	..	1,346	20,558	22,345	22,345
Total Primary schools ..	11	286	1,158	35,590	8,03,205	4,36,112	4,37,270
Special Education.							
Schools for Special Instruction.							
Training schools for masters	.	.	.	..	...	...	423
Guru-training classes	.	...	...	.	...	..	1,565
Industrial schools	1	29	1,501	...	...	.	2,906
Other schools	1	71	2,368	5	151	870	3,238
Total special schools ..	2	100	3,869	5	151	870	8,132
Inspection	.	..	..	..	.	...	2,21,899
Scholarships held in Secondary schools ...	...	..	...	..		...	3,903
Scholarships held in Primary schools .	...	...	..	..		...	173
Scholarships held in Special schools (other than training schools).	...	...	..	...	..	..	448
Buildings	...	...	...	...	...	...	1,502
Furniture (special grants only)	...	...	...	...	..		3,353
Miscellaneous—							
Charges for abolished schools	...	..	...	..	...	..	6,684
Ditto for conducting examinations ..	...	...	..	..	...	..	9,740
Prizes and rewards	...	...	...	...	.	.	17,179
Contingencies and miscellaneous	...	...	...	...		.	32,283
Total ..	..	...	..	..	.	..	2,97,164

On comparing the figures given in this table with those contained in Subsidiary Table III of the General Report on Public Instruction, which purports to show the expenditure from District Funds on schools maintained by public and private bodies, it appears that the statistics of schools and scholars agree, but the amounts set down as expenditure differ, so that the total outlay of the District Boards on education is represented by the Director of Public Instruction to be Rs. 9,67,105, while by the Boards themselves, as detailed in the above table, it is stated at Rs. 9,83,805. The last figure again differs by Rs. 18,050 from the total expenditure on education as shown under head 22 of Form III annexed to the District Board reports. The discrepancies between the Director's report and the District Board reports in the matter of educational expenditure are believed to be due to some extent to the fact that when the departmental returns were sent in no allowance was made for outstanding cheques issued by the District Board, payments of which had not been received by the schools. In some districts again the departmental figures include the pay and pension contribution of the education clerk attached to the Board's office, this charge being omitted in the district accounts. But these explanations do not cover all the cases in which the figures disagree, and they fail to account completely for the discrepancies observed between Form III and Appendix C of the District Board reports. Arrangements will be made in future to secure agreement between the

statistics used in these reports, which deal with the same set of facts and ought to present them in the same form. An authoritative series of figures will be compiled in consultation with the Director of Public Instruction, and no departure from them will be permitted.

The statistics of the Patna Division show an increase of 386 schools and 3,273 pupils during the past year, mainly under the head of private schools, which rose from 974 with 8,925 pupils to 1,388 with 13,395 pupils. At the same time there was a decrease of 15 lower primary schools and 35 pupils. Upper primary schools have increased by 7 schools and 68 pupils. Middle vernacular and middle English schools show a falling off of 2 schools and 184 pupils, and 11 schools and 572 pupils, respectively. In the Burdwan Division, Burdwan and Beerbhoom lost both primary schools and pupils during the year, while there was a gain in the remaining districts. In the Dacca Division the total numbers of schools and pupils, respectively, have decreased from 6,602 and 166,895 in 1889-90 to 6,383 and 152,869 in 1890-91. The decrease occurred mainly under the head of primary schools for boys in Mymensingh, Dacca, and Furreedpore. In Backergunge there was an increase of 1,047 in the number of Boards' primary schools for boys, owing to the fact that "some of the unaided successful schools received grants during the year, and this stimulated the increase in the number of both upper and lower primary schools." In the Chittagong Division the number of secondary schools remained stationary, while primary schools increased from 4,318 with 91,660 pupils to 4,558 with 97,975 pupils. In the case of Noakhali the increase in the number of lower primary schools is attributed to the resumption of the system of granting rewards for the mere attendance of day labourers in night schools. This had been done away with in the previous year by reason of the temptation it offers to falsify registers of attendance, and the Commissioner hopes that the Board will not maintain what he considers an unsatisfactory method of granting rewards. In the Presidency Division there was a decline in the number of aided middle English and girls' schools as well as in that of lower primaries, while the aided middle vernacular schools and upper primaries show a slight increase. In the Bhagulpore Division there has been a slight increase of institutions and scholars under the heads of secondary and upper primary schools, along with a very marked decrease both in the number and attendance in lower primary schools. In Bhagulpore district the decrease amounts to 320 schools and 5,121 pupils. This is attributed to some of the patsalas having been reduced to the elementary class for failure to adopt the departmental standard, or because they had less than ten pupils, to want of energy on the part of the inspecting pundits, and to the employment of gurus as census enumerators. Whatever may have been the cause, it indicates, as the Commissioner remarks, a want of success in this branch of the District Board's administration. In the Orissa Division, Pooree alone shows a decrease both in the number of schools and pupils. The Chairman observes:—"The state of education in the district is lamentable. Money is wasted on stipends and grants-in-aid, while no attempt has been made to carry out the Government policy to replace fixed salaries by payment by results." On this the Commissioner remarks that in his experience the system of payment by results has not been so practically successful in some parts of Bengal as to enable him to support the Chairman's view. It is possible that in a backward district like Pooree, where the people are indifferent to education and naturally indolent, a system of stipends combined with vigorous inspection may be better than payment by results. But whatever system is adopted, it is essential that constant and careful inspection should be insisted on.

26. In reviewing the report of the Director of Public Instruction for 1890-91, the Lieutenant-Governor touched upon the necessity of laying down a minimum scale of expenditure on primary education to which all District Boards should attain. It seemed to him that the proportion that the expenditure on primary schools bore to the total expenditure of the District Boards on all purposes might fairly be taken as a standard of what might be expected from individual Boards. In 1890-91 the total expenditure of all the District Boards, excluding debt, amounted to Rs. 55,53,712, and their expenditure on primary education, as shown in the statement given in paragraph 25, to Rs. 4,37,270, or 7·8 on the total of their expenditure. This being so, it seems to the Lieutenant-Governor that District Boards may reasonably be required to devote to primary education not less than 7 per cent. of their total expenditure, excluding debt

heads. The following statement shows for each District Board in Bengal their total expenditure for 1890-91, their actual expenditure on primary education, and the figure which, at the ratio of 7 per cent., is the minimum that should be set aside in future for primary education :—

Division	District Board.	Total expenditure, excluding debt, in 1890-91.	Expenditure on primary education in 1890-91.	Expenditure on primary education at 7 per cent. on total expenditure.
		Rs.	Rs.	Rs.
Burdwan Division.	Burdwan	2,55,883	22,224	17,912
	Bankoora	85,373	14,098	5,976
	Beerbhoom	81,045	7,197	5,673
	Midnapore	1,97,892	25,003	13,852
	Hooghly	1,86,346	15,047	13,044
	Howrah	89,538	8,896	6,268
Presidency Division.	24-Pergunnahs... ...	2,49,651	19,185	17,476
	Khoolna	92,162	12,300	6,451
	Nuddea	1,12,509	11,853	7,876
	Jessore	1,54,393	14,870	10,808
	Moorshedabad	87,936	9,997	6,156
Rajshahye Division.	Dinagepore	1,54,678	9,172	10,827
	Rajshahye	96,790	10,604	6,775
	Rungpore	1,94,340	13,733	13,604
	Bogra	56,314	4,863	3,942
	Pubna	88,362	11,499	6,185
	Julpaiguri	1,28,950	1,829	9,027
Dacca Division	Dacca	1,31,682	61,475 (Dacca, Furreedpore, Backergunge and Mymensingh together)	9,218
	Furreedpore	1,04,266		7,299
	Backergunge	1,58,683		11,108
	Mymensingh	2,49,378		17,456
Chittagong Division.	Tipperah	2,06,352	22,126	14,445
	Noakhali	1,08,085	12,692	7,566
	Chittagong	1,27,104	7,733	8,897
Patna Division	Patna	2,27,087	9,424	15,896
	Gya	2,30,253	12,910	16,118
	Shahabad	1,55,056	5,012	10,854
	Darbhanga	2,73,590	3,679	19,151
	Mozufferpore	1,52,870	6,278	10,701
	Sarun	2,25,592	8,568	15,791
	Chumparun	1,18,275	8,146	8,279
Bhagulpore Division.	Monghyr	2,01,513	12,020	14,106
	Bhagulpore	1,56,601	7,420	10,962
	Purneah	1,42,379	5,665	9,967
	Maldah	56,538	7,175	3,958
Orissa Division	Cuttack	1,03,502	18,247	7,245
	Balasore	63,724	11,710	4,461
	Pooree	49,020	4,620	3,431
	Total ...	55,53,712	4,37,270	3,88,761

Excluding the Dacca Division, for which separate district figures are not given, it will be seen that in the districts of Bengal Proper the expenditure on primary education exceeds the amount required by the standard now laid down everywhere except in Dinagepore, Julpaiguri, and Chittagong. In these three districts the minimum of 7 per cent. should be worked up to, but it is not meant to suggest that the more liberal grants made by the other districts should be reduced. In all districts of the Patna Division, on the other hand, and in Monghyr, Bhagulpore, and Purneah, the expenditure on primary education is invariably below the standard indicated, and in some cases, as in Darbhanga and Shahabad, the disproportion is very marked. The Lieutenant-Governor trusts that no time will be lost in raising the contribution to primary education in these districts. During his recent tour in Behar he has met the members of the District Boards at all the stations which he visited, and has personally explained to them the especial importance, in a backward province like Behar, of developing primary education on a regular system, so that the natives of Behar shall have a fair chance in the struggle for employment within their native districts.

There has been no change in the educational functions delegated to District Boards. The Deputy Inspector of Schools has been appointed to be an *ex-officio* member of all the District Boards, and the Lieutenant-Governor notices with satisfaction that the relations of the Boards with that officer have, with one exception, been cordial.

27. *Special schools.*—In Bankoorah the same number (6) of advanced Arabic and Persian schools was maintained. The number of pupils in them was 108. The number of Sanskrit *tols* also remained the same, but the number of boys decreased from 331 to 305. In Hooghly it is reported that there are 16 Sanskrit *tols* with 132 pupils and 11 Arabic and Persian schools with 106 pupils. There were also other elementary schools. The Commissioner remarks :—"These schools seem to be old-established ones which have hitherto escaped notice owing to their not sending in any returns. They neither receive nor ask for any assistance, and are content to enjoy a healthy independence." There is a music school at Chatnah in the Bankoorah district with 13 pupils who learn instrumental music: it is self-supporting, the Board contributing only one rupee as an inducement to furnish returns. There is a *madrassa* at Gya for the training of Mahomedans. The Chairman of the District Board of Chittagong submitted a scheme for a technical school to be started from the Khas Mehal grant and aided by the District Board, but it is reported that the plan did not altogether meet with the Director's approval. The District Board of Noakhali have awarded a scholarship of Rs. 10 a month tenable for five years at the Sibpur Engineering College to a Noakhali boy who passed the first examination in Arts. The Commissioner submits the following report regarding the artisan school established at Commillah to teach boys carpentry and blacksmith's work:—

"During this short time the school has attracted 19 pupils—14 in the carpentry and 5 in the blacksmith's class—and both the classes have acquired a fair knowledge. The District Board has founded twenty scholarships of the value of Rs. 4 each for the encouragement of these artisan pupils, a certain number being reserved for Tripuras (*Tipperahs*). Fifteen of these have been awarded. A trained master-carpenter and a blacksmith have been entertained on salaries of Rs. 40 each. The total expenditure towards the maintenance of the school amounted to Rs. 1,405, including the cost of apparatus."

The District Board also have founded two scholarships of Rs. 15 each tenable at the technical branch of the Sibpur Engineering College to be awarded to two natives of the district on their contracting to serve under the District Board after the completion of their College career. The District Board of Purneah have sanctioned the establishment of a technical school similar to that established at Rungpore for the purpose of training mechanics, surveyors and workers in wood and iron.

28. *Female Medical Education.*—The Bankoorah and Burdwan Boards renewed their offers of scholarships of Rs. 20 and Rs. 8 respectively, but no candidates were forthcoming. The Burdwan District Board also, acting in concert with the local Municipality, employed a midwife on Rs. 12 a month for a part of the year in connection with the Burdwan dispensary. Sarat Kumari Mittra, mentioned in the last year's Resolution, continued to hold her scholarship in Midnapore, and has passed her final examination. Sreemati Koilash Bashini Dasi, who held the Rungpore scholarship of Rs. 15 per mensem, has also passed the final examination, and is under an agreement to practise in the district for five years. The District Board of Gya expended during the year a sum of Rs. 839 on their establishment for the training of midwives. The District Board of Sarun have established a scholarship of Rs. 10 a month tenable at the Bankipore Temple Medical School for female students of Sarun. A naturalised Bengali lady offered herself, but the Board desired to obtain the services of one who is a Behari by race. The District Board of Shahabad had also before them a proposal to found a scholarship for the training of midwives. In Patna two special scholarships worth Rs. 10 each were created by the Board last year to attract female students, but none have come forward. The District Board of Rajshahye received some applications from Calcutta for the scholarship offered by that body for the promotion of female medical education, but it was decided to reserve it for a resident of the district. The Tipperah District Board have founded two scholarships of Rs. 15 each tenable at the Campbell Medical School, Calcutta, for females of that district. The Board have also provided an additional monthly allowance of Rs. 80 for the establishment of a lady doctor at Commillah. The Cuttack District Board continued their scholarship of Rs. 100 a year to the most

deserving female student attending the local medical school. The Lieutenant-Governor accepts these arrangements as evidence that the Boards are disposed to recognise their obligations in the matter of female medical education. If in some cases their efforts have not met with a very ready response, it must be remembered that the idea of providing skilled female medical attendance for the women of this country is comparatively a new one, that the class of women from among whom such practitioners can be drawn is at present extremely small, and that a mass of prejudice exists on the subject which greatly enhances the difficulty of adding to their number.

29. *Medical.*—The total outlay under this head amounted to Rs. 58,519, showing an excess of Rs. 15,973 over that of the preceding year. The increase is noticeable under all the heads except "Sanitation charges" and "Lunatic Asylums." There has been an increase of two in the number of dispensaries maintained by District Boards. The dispensary at Bhola in Backergunge was placed under the management of the Board, with effect from the 1st April 1890, and the Jessore District Board took over charge of the dispensary at Narail during the course of the year. In addition to the maintenance of their regular dispensaries, several District Boards contributed towards the support of institutions which were not under their direct control. The Gya District Board contributed Rs. 1,000 to the Lady Dufferin's Fund towards the maintenance of a lady doctor. The Shahabad District Board gave Rs. 300 towards the support of the Nasrigunge Dispensary. The District Boards of Patna, Shahabad, and Sarun spent Rs. 7,862 on sanitation and medical relief. The Durbhunga District Board sanctioned a sum of Rs. 600 as a contribution towards the maintenance of the old dispensary at Tajpur, the income of which had fallen off considerably owing to the transfer of the sub-divisional head-quarters to Somastipore. The District Board of Burdwan contributed Rs. 600 towards the maintenance of the Municipal Dispensary in the town. The Bankoorah District Board contributed Rs. 1,000 towards the maintenance of the local municipal dispensary. The Beerbhoom District Board contributed Rs. 992 as half cost of the maintenance of the Suri Charitable Dispensary and Rs. 360 to the Rampore Haut Charitable Dispensary. The District Board of Pubna entertained temporary medical officers to attend sufferers from cholera, which broke out in an epidemic form in the district, and contributed to the cost of medicines. They had also in their employ two midwives for a part of the year. The District Board of Rungpore, besides contributing in part towards the maintenance of the Kurigram, Gaibandha, and Nelphamari Dispensaries, gave Rs. 300 as subsidy to the Nelphamari Charitable Dispensary and purchased medicines and incurred other charges incidental to a violent outbreak of cholera. Srimati Jogamaya Dasi, the midwife employed by the Rungpore District Board, is favourably reported on. The Chairman writes that she is clever, knows her work, and is in great request among the ladies of the district. The District Board of Dinagepore spent a large sum in constructing a building at Thakurgaon for the accommodation of indoor patients. The District Board of Backergunge made a grant of Rs. 1,200 to the Municipal Dispensary at Barisal during the year; besides sending native doctors and medicine to various localities in thanas Gournadi, Bhandaria, Sarupkati, and Matbaria, where there was an outbreak of cholera. The total outlay on account of medical relief thus given amounted to Rs. 885. In Furreedpore a sum of Rs. 225 was spent in aiding the charitable dispensaries at the Sudder station and Goalundo and in administering relief in cholera-stricken areas of the district. In Mymensingh the contribution of Rs. 600 per annum to the Nasirabad Municipality for medical purposes was increased to Rs. 900. Besides this amount, the District Board has placed the services of one midwife at the disposal of each of the Local Boards except that at Netrokona. The District Board of Mymensingh has recently awarded a medical scholarship to one Id-un-nissa, a Mahomedan young lady, on the condition that she returns to practise at Mymensingh if required to do so by the District Board. The Board have also resolved to open a new dispensary at Dewangunge. The District Board of Monghyr contributed Rs. 130 and Rs. 50 monthly towards the maintenance of the dispensaries situated at the head-quarters of the district and the sub-division of Beguserai respectively. A grant of Rs. 1,000 was also made by the Board to the Jamui Dispensary for providing additional accommodation for indoor patients. The Purneah District Board expended a sum of Rs. 96 in affording medical relief to the people in the tracts affected with cholera. This

District Board has also agreed to contribute to the Purneah Municipality a sum of Rs. 700 per annum towards the pay of an Assistant Surgeon to be employed in the charitable dispensary. As, however, no Assistant Surgeon could be procured during the year, the amount was expended agreeably to the recommendation of the Inspector-General of Hospitals in providing a ward for the better class of patients. The Maldah District Board paid Rs. 900 during the year to a dispensary opened at Mathoorapore by Mr. G. Hennessy. The District Board of the 24-Pergunnahs paid Rs. 130 in scholarships to two female students studying medicine in the Campbell Medical School at Sealdah. The same Board have also, at the request of the Commissioners of the Bussirhat Municipality, sanctioned a contribution of Rs. 150 per annum towards the cost of the maintenance of the Municipal Dispensary. The Nuddea District Board contributed Rs. 120 to the maintenance of a dispensary at Chooadanga, and spent about Rs. 200 in removing corpses from the road from Krishnaghur to Bogoola, on which a large number of pilgrims died on their way back from Nabadip during the late *Ardhaday* festival. The District Board of Cuttack have resolved to open a dispensary at Nayabazar at an annual expenditure of Rs. 800, and to provide a building for it at a cost of Rs. 1,500. The action of the District Board of Tipperah, in opening ten new dispensaries during the year, shows a creditable interest in medical progress and a just sense of one of the chief wants of the people of Bengal. These dispensaries are said to have been carefully looked after by the Civil Surgeon and to have given a good outturn of work. The District Board also offer to aid in setting up a dispensary at any important place where local subscriptions are forthcoming to prove that the residents really desire such an institution. The Lieutenant-Governor hopes that other District Boards will see their way to follow the good example that has been set by the people of Tipperah in this matter. A lady doctor was engaged during the year by the Chittagong District Board on a salary of Rs. 100 a month. She has been provided with a house and is allowed Rs. 30 a month for conveyance. She attends all patients in the dispensary free of charge, and is also allowed to take private practice, for which it is understood her fee is Rs. 4 for each visit. The District Board have also decided to start eight dispensaries in the interior, on the Tipperah system, provided that a certain amount of local help is given. The Lieutenant-Governor has perused with much satisfaction this record of the measures adopted by the several District Boards to extend medical relief in various forms, and he trusts that they will continue to persevere in their good work. He also hopes that the eight District Boards named in the margin, which incurred no expenditure during the year under this head, will realize their obligation to contribute to the cost of hospitals and dispensaries, and take steps in that direction at an early date.

Noakhali.	Dacca.
Julpaiguri.	Durbhunga.
Hooghly.	Chumparun.
Howrah.	Moorshedabad.

30. *Sanitation.*—Details of the works undertaken for the improvement of sanitation in the districts of Bengal during the past year are given in Appendix IV. The Noakhali District Board expended the largest amount on these works. The Lieutenant-Governor regrets to notice that no real sanitary improvement was effected during the year in any of the districts of the Presidency Division. The Commissioner of the Division writes:—

"The improvement of water-supply is a duty which the Boards must not be allowed to neglect. The objection has been made that if a tank is re-excavated for one group of villages, the whole of the rest of the district will complain. The objection may be gradually met by impartially improving the water-supply of different parts of a district in turn, and I hope that, when a beginning is once made and an example shown, wealthy individuals and Village Committees may initiate works, and the Boards may be able to confine themselves to giving grants-in-aid. Here, again, I submit that if Village Union Committees were organised as proposed seven years ago, we should have bodies directly interested in a supply of good drinking water, and in a position to ask the District Boards for help. I do not see why Local Sub-divisional Boards should be expected to interest themselves in such a matter any more directly than the District Board. The first essentially necessary step to be taken is to obtain absolute rights over a tank and its banks so as to prevent pollution, and the best place to select for operations is where two or three small tanks adjacent to one another can be deepened and thrown into one large one. The work can often be made remunerative by reclaiming low lands with the earth excavated, by leasing out fishery rights, and by planting fruit trees on the banks, though not so near as to allow leaves to fall into the water. The Boards will be advised to undertake operations on these lines."

The Cuttack District Board is said to have been trying to improve the supply of drinking water in the interior for the last two or three years, but the landowners will not co-operate, and the finances of the Board will not admit of their acquiring land for the purpose. Eight tanks and four khals are reported to have been excavated during the year in Tipperah by way of sanitary improvement; but it is not stated from what source the expenditure was met. The Commissioner of Chittagong makes the following pertinent remarks on the subject:—

"This is no doubt the part of their functions which District Boards find most difficulty in administering. The Tipperah Board, for instance, has a population of, by the last census, over 1,700,000 of souls under it. To provide sanitary improvements which would benefit one hundredth part of this population is impossible. The point is not only what to do without favouritism, but where to begin. The funds only allow of a few scattered model measures. Some alternative model schemes framed by experts and carried out to detail would, I am sure, be welcomed by every Board in the Province."

The Mozufferpore District Board have lately asked several zemindars and planters in the district to undertake the reclamation of tanks and wells in their neighbourhood, and have allotted in their budget for the current year Rs 5,000 for general purposes of sanitation. Since the close of the year the District Board of Pooree have resolved to contribute Rs. 2,000 to the Juggernath Road Fund for improving the sanitation of the chutties along the Juggernath road.

31. The question of rural sanitation is one of extreme difficulty in Bengal, not merely because the financial resources of the District Boards are wholly inadequate to the work to be done, but also because no village agency exists competent to carry out the simpler measures which are necessary to guard against the pollution of the village site, and the fouling of the water-supply. Having regard to the necessary limitations to which the action of the District Boards is subject, the Lieutenant-Governor considers that the best principle for them to adopt is that suggested by the Commissioner of Chittagong. Clearly the Boards cannot execute all the sanitary works that are needed. But they can set examples as opportunity offers by cleaning tanks, digging or cleaning out wells (especially along the chief roads), and by promoting general knowledge of the measures which tend to improve the healthiness of a locality. If their sanitary works are well and cheaply done, using materials available on the spot and not of too elaborate a character, it may be hoped that neighbouring landholders will be led to undertake works of the same kind, and that the villagers may themselves combine to carry out petty local schemes with or without the assistance of the Board. Small grants-in-aid for cleaning tanks and drainage channels might be found to encourage local effort in such cases. It should also be an object to distribute such works impartially, as the Commissioner of the Presidency Division suggests, in different parts of the district, in order to diffuse as widely as possible the knowledge of what the District Board is doing and what its intentions are.

32. *Miscellaneous.*—The expenditure under this head increased from Rs. 43,365 in 1889-90 to Rs. 46,686 in 1890-91. In three districts rewards were paid for the destruction of wild animals and snakes, viz., in Purneah Rs. 40, in Rungpore Rs. 443, and in Sarun Rs. 328. On this subject, the Chairman of the District Board of Rungpore writes:—

"I was obliged to reduce the rewards for tigers in order to prevent their extermination. The balance of nature must not be ruthlessly disturbed. Tigers have their uses in keeping down deer and pigs on the vast Brahmaputra churs, many of which have large tracts not yet fit for cultivation."

The District Board of Burdwan set apart a sum of Rs. 200 for the payment of rewards, but no portion of this was spent.

33. *Famine Relief.*—The Sarun District Board spent Rs. 12,206 in affording relief to the sufferers from the heavy flood of August 1890. Of this sum, however, only Rs. 1,618, which was spent on charitable relief, has been entered under head 33 of the Accounts; Rs. 9,345 spent on relief works, and Rs. 1,243 on establishment have been debited to roads. The District Board of Furreedpore advanced loans to the extent of Rs. 1,400 for a similar purpose. The destruction of crops by the floods of August 1890 was also severely felt in certain tracts of the Pubna district. Employment was provided by the District Board for the sufferers; but it is reported that the people did not resort to the work freely owing to the feeling that coolies' work would be degrading to them

At one time signs of distress appeared in some parts of the Bussirhat sub-division in consequence of the unusually high floods in the river Ichamati; but as it did not appear necessary to start relief works, no further steps were taken in the matter. In the district of Nuddea relief works had to be opened, owing to the floods in the Bhagirathi, during the year. The Board sanctioned for the work Rs. 9,500, of which Rs. 7,976 were spent up to the end of October last. Of the balance, Rs. 1,164 were spent on completion of the works afterwards. The number of labourers of all classes employed on the relief works started by the District Board of Nuddea was 54,095, the daily total on an average being 886·8. It is said that the District Board exhausted its funds on these works. The amounts of Rs. 1,12,221 and Rs. 4,466 entered under the head Famine Relief for Durbhunga and Mozufferpore represent merely adjustments of the previous year's accounts.

34. *Civil Works.*—The following table shows the Public Works expenditure under the several heads as compared with that of 1889-90:—

Year.	Original works.	Repairs.	Establishment.	Tools and plant.	Water-supply and water-works.	Drainage works.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1889-90 ...	11,71,942	19,43,732	5,57,345	33,893	20,960	5,347	37,33,219
1890-91 ...	11,82,488	20,16,659	5,65,446	29,759	38,232	51,482	38,83,996

Although the Patna Division shows, as in the preceding year, the largest outlay on Original works, this item has gradually decreased from year to year. This is said to be due to the small expenditure in Gya and Shahabad, where the outlay aggregates only 56 and 57 per cent., respectively. The most expensive work undertaken was the renewal of the bridges on the Buktearpore-Behar road at a cost of Rs. 56,000. The Dinagepore District Board continued their policy of improving the existing roads by constructing permanent bridges. During the year 46 bridges and culverts with an aggregate waterway of 582 running feet were constructed at a cost of Rs. 66,738.

35. The following statement shows the length of roads maintained by the several District Boards, with their cost per mile, divided roughly into first and second class: in the former class are placed roads which are metalled or partly metalled and wholly bridged, in the latter all the rest except the purely village roads:—

District.		Miles of Road.		Cost per mile.	
		1st class.	2nd class.	1st class.	2nd class.
				Rs. A. P.	Rs. A. P.
Chittagong Division.	Chittagong ...	1	506	......	105 0 0
	Noakhally ...	5¾	291	230 0 0	75 0 0
	Tipperah ...	4	285	1,167 0 0	120 0 0
Orissa Division.	Cuttack ...	25	390	224 9 0	44 1 0
	Pooree ..	73	67½	92 1 4 (combined)	
	Balasore ...	39	258	119 0 0	23 0 0
Presidency Division.	24-Pergunnahs ...	141	269	441 0 0	50 0 0
	Nuddea ...	129½	553	201 0 0	42 0 0
	Jessore ...	12*	20*	124 (combined)	
	Moorshedabad ..	24	519	389 0 0	50 0 0
	Khoolna ...	307 (combined)		52 (combined)	
Dacca Division.	Dacca ...	7	182¾	568 8 0	96 8 0
	Backergunge ...	8⅜	258⅝	156 5 0	63 8 0
	Furreedpore ...	Not given.			
	Mymensingh ...	28	417	312 0 0	40 0 0

* These figures denote the number of roads, not their length.

Division	District.		Miles of Road. 1st class.	Miles of Road. 2nd class.	Cost per mile. 1st class. Rs.	A.	P.	Cost per mile. 2nd class. Rs.	A.	P.
Burdwan Division.	Burdwan	..	262	231	479	0	0	61	0	0
	Hooghly	...	99⅓	445	538	0	0	28	0	0
	Howrah	...	13⅓	51½	2,492	0	0	155	0	0
	Bankoorah	...	274	187	100	0	0	12	0	0
	Beerbhoom	...	127¼	362¾	302	0	0	40	0	0
	Midnapore	...	279	400	236	0	0	55	0	0
Bhagulpore Division.	Monghyr	...	58	643	343	0	0	96	0	0
	Bhagulpore	...	54	784	303	0	0	42	0	0
	Purneah	...	104	870	343	0	0	30	0	0
	Maldah	..	3½	381	1,152	0	0	44	0	0
Rajshahye Division.	Rajshahye	...	22	373	411	0	0	50	8	0
	Dinagepore	...	......	1,114	......			27	0	0
	Pubna	..	8	529	237	0	0	39	0	0
	Bogra	...	......	368	......			51	8	0
	Rungpore	...	12	1,278	502	0	0	18	8	0
	Julpigoree	...	18	545	326	0	0	36	8	0
Patna Division.	Patna	...	92	460	477	8	0	29	12	4
	Gya	...	201	638	142	0	0	16	12	0
	Shahabad	...	327	104	223	11	0	18	1	0
	Sarun	...	362	720	130	4	0	30	14	9
	Mozufferpore	.	111	1,347	63	9	0	31	3	8
	Durbhunga	..	163	904	93	11	0	30	12	0
	Chumparun	...	84	955	50	10	0	24	2	3

The average cost of maintaining each mile of first class road for all the districts taken together was about Rs. 380, and of second class roads about Rs. 51. The average cost per mile of roads of the first class was highest in Howrah (2,492), Tipperah (1,167) and Maldah (1,152), and lowest in Chumparun (Rs. 50-10), Mozufferpore (Rs. 63-9), and Durbhunga (Rs. 93-11). Roads of the other class were cheapest in Bankura (Rs. 12), Gya (Rs. 16-12), Shahabad (Rs. 18-1) and Rungporo (Rs. 18-8).

36. *Village Roads.*—The total outlay on village roads amounted to Rs. 4,51,900, or Rs. 82,948 more than that of the year 1889-90. The expenditure was largest in Tipperah (Rs. 29,814), Mymensing (Rs. 26,161), and Sarun (Rs. 25,885), and smallest in the three districts marginally named.

		Rs.
Julpigoree	...	737
Beerbhoom	..	726
Bogra ...	...	807

The cost of maintaining a mile of village road has been in many districts higher than the cost of maintaining a mile of district road. It ordinarily means merely surface repairs of a surface track, but some of the village roads are partly embanked and bridged, and then repairs are more expensive. The amount required for these repairs is generally expended through the Local Boards. In Burdwan it is reported that nearly the whole of the amount allotted for village roads was spent, and that no case of improper expenditure was brought to notice. A village road inspector was appointed to look after the village roads under the Sudder Local Board. The Lieutenant-Governor has read with much pleasure that, in the Munshigunge sub-division of Dacca, the grants for village roads were in some instances supplemented by private subscriptions, and that the lands required for the construction of these roads were given gratis in all cases. In Behar and some districts of Western and Central Bengal, and also, it is believed, in Darjeeling, a certain number of village roads are annually repaired through the agency of planters and other private gentlemen, and the Lieutenant-Governor is happy to learn that these gentlemen generally render great assistance to the Local Boards by their co-operation, and by undertaking to repair numerous village roads in the neighbourhood of their estates. The District Board of the 24-Pergunnahs have, in view of the limited

funds placed at their disposal, found it difficult to satisfy the growing demand for village communications. On this subject the Commissioner of the Chittagong Division writes :—

"Village roads have a special importance in this division, because the distinction between them and the scheduled roads is very fine indeed. Many of the latter have a surface width of from six to four feet. Again, village roads are found 12 and 15 miles long. The fact that there are only 10 miles of metalled road in the division outside the municipalities illustrates the physical position."

37. *Water communications.*—A sum of Rs. 1,962 was expended by the Pubna District Board on the maintenance of the Telkupi khal. The District Board of the 24-Pergunnahs expended a sum of Rs. 330 in maintaining the 17 miles of khal under them. Four important khals were deepened during the year in Tipperah. In Backergunge the improvement of the khal leading from the Barisal river to Lakutea Dono was undertaken and completed within the year, and that of another khal, running from the Torki river to Goila bheel, which was taken in hand last year, was also finished during the year under report. The total outlay on both these khals amounted to Rs. 4,713. In Mymensingh a sum of Rs. 310 was spent on the improvement of the Sandhikona khal and the Kuirai river in the Netrokona sub-division. More might usefully be done in this way in the districts of Eastern Bengal.

38. *Steam river service.*—The steam ferry between Naraingunge and Moonsheegunge, referred to in paragraph 18 above, continued to be managed by the District Board of Dacca. In Backergunge a monthly subsidy of Rs. 500, minus deductions on account of late arrivals, was paid by the District Board for the daily service between Barisal and Khoolna. The steamer service between Barisal and Noakhally was kept up during the year. During the floods there was steam communication between Maldah and Rajmehal, and also between English Bazar and Rampore Beauleah. The daily steamer service between Rampore Beauleah and Damukdea, and between Pubna and Kooshtea, was maintained throughout the year. The Rajshahye District Board paid a subsidy of Rs. 4,600 for the maintenance of the former, and the Pubna District Board Rs. 3,975 for the latter.

39. *Miscellaneous Public Improvements.*—In Monghyr three beacons were constructed on the Munpathal rocks in the river Ganges to indicate the position of the rocks, which are covered by water in the rains and become dangerous to navigation.

40. *Public Works Establishment.*—The percentage of the cost of establishment on the total expenditure on public works during 1890-91 in the several districts is shown below—

District	Percentage	District	Percentage
24-Pergunnahs	11·2	Durbhunga	25·8
Nuddea	16·7	Dacca	15·9
Jessore	15·7	Furreedpore	12·2
Khoolna	16·8	Backergunge	13·4
Moorshedabad	20·5	Mymensingh	12·4
Chittagong	21·9	Burdwan	10·3
Noakhali	16·8	Hooghly	13·4
Tipperah	9·2	Howrah	9·2
Cuttack	20·3	Bankoora	22·9
Pooree	19·9	Beerbhoom	15·0
Balasore	19·0	Midnapore	17·3
Patna	13·3	Julpaigori	8·9
Sarun	15·9	Rungpore	12·2
Shahabad	15·9	Dinagepore	11·2
Gya	18	Rajshahye	19·3
Chumparun	18·1	Pubna	17·3
Mozufferpore	19·5	Bogra	18·3

The figures for the several districts in the Bhagulpore Division have not been supplied, but it is reported that the expenditure incurred on the establishment is below 20 per cent. of the amount expended on the works. In five districts, viz. Durbhunga, Bankoora, Chittagong, Moorshedabad and Cuttack, the percentage exceeded the limit prescribed in the second proviso of section 33 of the Act. It was highest in Durbhunga and lowest in Julpaigori. As compared with the previous year, there was an increase in the

cost of the establishment in the districts named below, viz., Hooghly, Bankoora, Beerbhoom, Midnapore, Khoolna, 24-Pergunnahs, Moorshedabad, Dacca, Backergunge, Mymensingh, Cuttack, Pooree, Patna, Durbhunga, Rajshahye, Pubna, and Rungpore. In the remaining districts there was a decrease.

41. *Drainage.*—The drainage channel from Dinagepore to Gouripore was maintained at a cost of Rs. 500 by the Dinagepore District Board. The Rungpore drainage project, which was commenced in 1889-90, was nearly completed during the year. The total length is 25 miles, and the area benefited by it is reported to be at least 200 square miles. A sum of Rs. 49,898 was expended on the work during the year.

42. *Railway feeders.*—The earthwork on the railway feeder from Haripal to Bandarhatty was completed during the year, but the metalling has not yet been put on, as the earthwork is not sufficiently consolidated. The Monghyr District Board completed during the last year the three railway feeder roads, Beguserai to Garhara, Indupore to Barhia, and Darhara to Latiha. Of these the first-named is said to be of much importance, in that it forms a direct communication from Beguserai sub-divisional cutcherry to the railway station. In Purneah a feeder road, half a mile in length, connecting the Koosiorgaon railway station with one of the district roads, has been constructed at a cost of Rs. 162. In Dacca good progress was made in the railway feeder road connecting the Sripur station of the Dacca State Railway with Gosinga, an important mart on the river Lakhiya. Another feeder road from Tongi station was continued as far as Kaligunge.

43. *Tramways.*—None of the projects referred to in paragraph 37 of the Resolution on the working of District Boards in Bengal during 1889-90 were taken in hand during the year.

44. *General remarks.*—The following extracts contain the opinions of the Commissioners of Divisions on the general administration of the District Boards:—

Mr. Quinn, the Officiating Commissioner of the Bhagulpore Division, quotes with approval the opinion of Mr. Wace, the Chairman of the Bhagulpore Board, to the effect that it is doubtful policy to put a Local Board under a non-official Chairman, who cannot go about the district like the Sub-divisional Officer, and exercises less check on subordinates. In the District Board also the ablest men are tied to head-quarters by their habits and their business, and little or no work is done by individual members outside the committee-room. Happily, says Mr. Wace, they are wise enough to trust in matters requiring local knowledge, those who know the interior of the district. In Education, "too much money goes in establishment, and the inspecting pundit does less for his pay than any other servant of the Board." The Finance Committee, on the other hand, "do excellent service in administering the funds allotted to them and watching the expenditure." Mr. Quinn himself adds:

> The work of the several District Boards was carried on smoothly and with a fair degree of efficiency during the past year. The system of entrusting the control of the primary education grant to Local Boards is, I think, of doubtful expediency. The Bhagulpore local authorities have, as remarked in a former part of this report, been unsuccessful in the promotion of primary education, and the Inspector of Local Works is of opinion that the road works under the control of the District Board would be better and more expeditiously executed if the District Engineer were allowed a free hand. I am disposed to agree in this opinion. There is also a tendency here and elsewhere, on the part of the Finance Committee, to assume too much of the functions of an executive body, which should, I think, be discouraged. I am happy to observe that the disposition towards undue expenditure on establishment by the unnecessary increase of salaries which was noticed in the last report has not manifested itself in the year under review.

Mr. Westmacott, the Officiating Commissioner of the Presidency Division, quotes the opinion of the Chairman of the District Board of the 24-Pergunnahs, who doubts whether Local Boards are of much use. They have no independent sources of income, and their duties are limited to expending fixed allotments on works in which no discretion is allowed them. On the other hand, they cost something for establishments and office expenses. Mr. Baker believes therefore that the work would be done more efficiently and economically if it were entrusted wholly to the District Board. Mr. Westmacott's own view is—

> That Village Union Committees would prove a more efficient agency for carrying out any measures of real Local Self-Government than sub-divisional Local Boards can be. I cannot now find a reference to a report in which I stated this view comparatively recently, but I

have before me a copy of the report already alluded to, which I submitted on the 31st March 1884 to Sir Rivers Thompson's Government, after forming 180 Committees in 33 thanas and 10 sub-divisions. I believe that those Committees would have worked well. Their only fault was, in my opinion, that they were much too large, comprising about 2,500 households each. I should have preferred making them very much smaller, knowing, as I do, the difficulty of getting a Bengal villager to extend his interests beyond the limits of his own village. In introducing Self-Government, I would begin with the village as a unit, and gradually get the villagers to combine to support joint-schools, pounds, roads, hospitals, and so work up to sub-divisional Boards. In starting with District Boards and working downwards, I think we began at the wrong end of the chain. I do not, however, think it too late even now to organize Village Union Committees, and entrust them with local administration under the existing Boards, and if this is done, I feel confident that Self-Government will show a vitality which it has not shown yet. In another generation we might hope to find men seeking election to be members of the Boards, who, as members of Union Committees, had been trained in the administration of public affairs in which they felt a strong personal interest in the place of men without training, the majority of whom seek election, not so much for the furtherance of local interests, as because they wish for a share in the administration and patronage of the district and sub-division. I will not, however, enlarge upon this subject now.

Mr. Forbes, the Officiating Commissioner of the Dacca Division, remarks:—

I only took charge of this division two months after the expiration of the year under report, and have not therefore had time to inform myself thoroughly as to the working of the different District Boards. I have been able, however, to pay a short visit to each of the districts under my charge, and from what opportunity I have had in this manner of forming a judgment, as well as from the reports of the district officers, I am of opinion that the different Boards have worked well and harmoniously—in short, in such a way as to fairly fulfil the expectations of the framers of the scheme. At the same time we must not conceal from ourselves the fact that their successful working hitherto has in a chief measure been due to the judicious guidance and the personal efforts of the official Chairmen, without whose constant and active control I fear the fabric would soon fall to pieces. In this matter, as well as owing to the fact that the supply of the sinews of war—the assessment and collection of the tax—is in the hands of the Government officials, the District Boards are in a much more advantageous position than that occupied by Municipal Committees, and to these two important differences must, in the main, be attributed their comparatively better working. The working of the Local Boards appears to have been somewhat uneven. In places they seem to have done well, but in others indifferently. The Magistrate of Furreedpore especially complains of irregularity in attendance at their meetings, and Mr. Jenkins considers that there is not much use in making over to the Local Boards any considerable allotments, as the members find difficulty in giving time to supervise the expenditure. I am inclined to agree in this, and also in Mr. Phillips' opinion that the making over the management of pounds and ferries to the Local Boards was scarcely a wise policy. In Backergunge the Local Boards are reported to have done much useful work. It must, however, be mentioned that in that district the Local Boards' Chairmen are all Government officials, viz., the respective sub-divisional officers.

Mr. Veasey, the Officiating Commissioner of the Burdwan Division, observes:—

I joined this division after the close of the year, but, so far as my experience goes, matters have worked smoothly, and it is but seldom that advice or warning becomes necessary. Very much depends on the personality of the Chairman, and I doubt if the time has yet come for the elimination of the official element, which means the product of official and special training in what is not to be acquired by intuition.

Mr. Lewis, the Commissioner of the Rajshahye Division, says:—

The District Boards have, on the whole, worked satisfactorily, and much good work has been done during the past year. Without detracting from the merits of the individual members of the respective bodies, however, I may add that a good deal of the success which has marked the past year's administration is due to the interest taken in the working of the Boards by the District Officers. Messrs. Price and Skrine have both rendered excellent service in this direction.

Mr. Oldham, the Officiating Commissioner of the Chittagong Division, makes the following remarks:—

All the Boards have done well and worked effectively and harmoniously. Their weak points are still, as was to be expected, in the matter of accounts and despatch. In Chittagong the members, with few exceptions, took considerable interest in the work. The work of this Board comes less before me than that of the two others. It has not developed its Committee system as fully as they, but its members have more work in their hands as individuals than those of the other Boards. In Noakhally the non-official members have on the whole, says the Magistrate, excelled the official members in point of zeal, without at the same time misdirecting their energies. A large amount of solid, substantial business has been discharged by the three Committees of the Board, the members of which have worked harmoniously with their professional advisers. The Noakhally Board has always seemed to me a very strong practical and business-like body. In Tipperah the Magistrate says that,

as regards the outturn of work, the year compares favourably with its predecessors. Much interest has been taken in sanitary improvements, and in affording medical aid in outlying parts of the district. The District Board acknowledges the praiseworthy attention the Civil Surgeon, Dr. Whitwell, bestowed on the management of dispensaries. The establishment of an artisan school in Commilla is a commendable beginning. The members devoted a reasonable amount of time to attending the meetings of the District Board, while the attendance at Local Boards was less satisfactory. The Chairman regrets that zemindars remain satisfied to leave the discharge of the duties connected with the important District Board in the hands of their legal agents, who have no time to devote to the personal inspection of public works. The work of this Board comes more before me than that of any other. It is the most ambitious and progressive of the three Boards, and must, I think, be also pronounced to be the most successful, except in the matter of public works, in which its agency, though good, is not so exceptionally good as that which the Chittagong and Noakhally Boards are so fortunate in having.

Mr. Stevens, the Commissioner of the Patna Division, reports as follows:—

On the whole, I think that the working of the Boards has been satisfactory, and that the introduction of the system of Local Self-Government into this Division has been fully justified by results. It was of course recognized from the first that the method of working must follow local conditions, and it was always expected that in Behar the Boards would have to lean on official guidance more than elsewhere. The law and rules have been sufficiently elastic to meet these local differences, and are adapted to a greater as well as to a lesser degree of development. As time goes on the honour of serving on the Boards, which is already appreciated, will become more and more highly esteemed, and doubtless, as education progresses, there will be an increasing number of country gentlemen fit and desirous to be candidates for office.

Mr. Toynbee, the Commissioner of the Orissa Division, makes the following observations:—

Mr. Allen, the Chairman of the Pooree District Board, writes:—"The District and Local Boards were reconstituted during the year. The latter got through the little work they had to do quietly and with tolerable efficiency. The former body met regularly and acquiesced readily in the measures proposed by the official executive. There was no obstructiveness, but, on the other hand, there was not much practical assistance, except that afforded by the Education and Finance Committees, and of these the latter was rather dilatory in getting through its monthly audits. The Board does not interfere with the District Engineer, who gets through his work satisfactorily, and it does not quarrel with the Deputy Inspector of Schools, whose suggestions are generally accepted and carried out; but there is little real interest among the non-official members in Local Self-Government." Mr. Cornish, the Chairman of the Balasore District Board, reports as follows:—"The District Board has perhaps worked as satisfactorily as it did in the previous year, but I cannot report as confidently on the working of the Local Boards. The Sadar Local Board sustained a great loss in the transfer last November of Dr. Zorab, its late Chairman. His great local knowledge, tact and patience commanded the respect and confidence of all classes, and enabled him to keep in check the miserable tendencies of petty party spirit which are ever threatening to bring discredit on Local Self-Government in Balasore. The Bhuddruck Local Board suffered from the arbitrary misconduct which led to the transfer of its former Chairman and from a double change of officers.

"I am glad to be able to note that during the year under report some attempt has been made to ensure better supervision of roads, schools, and pounds in the Sadar sub-division by the officials of the Sadar Local Board. This still requires to be more systematic and regular, but it is a great thing to have secured at least the beginning of some supervision by those to whom the responsibility is entrusted." Mr. Stevenson writes:—"The plant of Local Self-Government has not yet been naturalized. Even the educated class has yet to learn that if the people are to manage their own affairs, they, or rather their representatives, must be prepared to subordinate their personal convenience to the public good."

The burden of these remarks and of similar observations in the body of this report is somewhat discouraging. Local Self-Government in Orissa is evidently an exotic which has not yet become acclimatised. The official Chairmen apparently do all the work, and the Boards agree to their proposals and register their decisions without discussion There is happily an absence of anything like obstruction, active or passive; but this fact is due, I fear, rather to lack of interest and energy, than to a spirit of fairness and good sense.

During the various tours he has made since assuming charge of the Government of Bengal, Sir Charles Elliott has endeavoured to take every opportunity of looking into the work of the District Boards and personally discussing with the members of these bodies their views as to the requirements of their districts. What he has seen in this way, and what he has learned from the reports of experienced officers, go to strengthen his conviction that the success or failure of the system of Local Self-Government depends less upon the constitution and legal status of the Boards than on the practical capacity and good sense of the individual members who serve upon them, and on the amount of experience and local

knowledge which they contribute to the service of the executive. The precise form of the law under which local authorities are organized matters comparatively little; the spirit in which they exercise their functions matters a great deal. The question of amending the Local Self-Government Act has recently been under consideration, and although on a few minor points the law may be susceptible of some improvement, the Lieutenant-Governor has decided not to undertake any fresh legislation for this purpose at present. He finds everywhere a praiseworthy disposition on the part of the Boards to attend regularly to their duties and to pay due regard to the wishes of Government and the advice of their Chairmen and professional advisers. Special commendation is due to the work of the Finance Committees of the various Boards, who discharge duties of an important and laborious character, and of a kind which public bodies have not always shown an inclination to attend to in sufficient detail. The thanks of the Lieutenant-Governor are due to these gentlemen and to the District Boards generally for much excellent work done during the past year.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secy. to the Govt. of Bengal.

APPENDIX I.

Form No. I (a.)

Statement showing the constitution of the District Boards in Bengal during the year ending 31st March 1891.

Number.	Name of District Board.	Act under which constituted.	Area in square miles.	Population within the area.	Number of Members.* Ex-officio.	Nominated.	Elected.	Total.	Officials.	Non-officials.	Europeans and Eurasians.	Natives.	Number of meetings held.	Average attendance at each meeting.† Officials.	Non-officials.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Burdwan Division.															
1	Burdwan	Act III (B.C.) of 1885.	2,669	1,312,525	4	5	9	18	5	13	5	13	13	1·4	8·14	9·54
2	Bankoorah...	Ditto ...	2,621	1,041,752	2	5	7	14	4	10	2	12	15	1·06	5·37	7·83
3	Beerbhoom	Ditto ...	1,756	7-6,778	3	3	6	12	3	9	2	10	15	2·	4·8	6·8
4	Midnapore...	Ditto ...	5,069	2,420,844	4	8	12	24	6	18	3	21	11	2·91	10·45	13·36
5	Hooghly	Ditto ..	1,191	902,349	6	7	13	26	7	19	...	26	8	3·3	9·4	12·7
6	Howrah	Ditto ..	465	529,753	2	3	5	10	3	7	1	9	12	1·6	3·9	5·5
	Total ..	......	13,761	7,013,001	21	31	52	104	28	76	13	91	74	2·19	7·01	9·2
	Presidency Division.															
1	24-Pergunnahs	Act III (B.C.) of 1885.	1,902	1,527,623	6	6	12	24	11	13	1	23	14	·58	13·49	14·07
2	Nuddea	Ditto ...	2,786	1,639,655	3	7	10	20	5	15	5	15	9	3·11	6·9	10·
3	Jessore	Ditto ...	2,925	1,892,078	7	5	12	24	7	17	5	19	8	3·87	7·88	11·75
4	Khoolna	Ditto ...	2,077	1,177,652	4	4	8	16	3	13	...	16	9	2·44	6·	8·44
5	Moorshedabad	Ditto ...	2,098	1,137,348	6	4	10	20	5	15	5	15	11	3·91	5·81	9·72
	Total ...	......	11,788	7,374,356	26	26	52	104	31	73	16	88	51	2·78	8·01	10·79
	Rajshahye Division.															
1	Rajshahye	Act III (B.C.) of 1885.	2,353	1,310,316	3	7	10	20	5	15	5	15	8	1·75	9·75	11·5
2	Pubna	Ditto ...	1,843	1,275,424	3	4	8	15	3	12	3	12	17	1·8	5·8	7·6
3	Dinagepore	Ditto ..	4,113	1,539,277	4	14	...	(a)18	9	9	1	17	17	2·05	3·	5·05
4	Bogra	Ditto ...	1,449	894,496	2	13	...	15	4	11	...	15	15	1·46	5·34	6·8
										From April to October 1890.						
5	Rungpore	Ditto ...	3,480	2,084,044	3	12	15	30	4	26	1	29	5	2·	10·2	12·2
										From November to March 1891.						
6	Julpigoree	Ditto ...	2,881	574,443	2	8	10	20	3	17	1	19	4	·75	11·25	12·0
					5	11	...	16	8	8	7	9	8	4·	1·63	5·63
	Total(b) ...	......	16,119	7,588,600	19	57	28	104	32	72	17	87	69	1·97	6·13	8·1
	Dacca Division.															
1	Dacca	Act III (B.C.) of 1885.	2,790	2,026,181	6	8	14	28	9	19	2	26	9	5·	10·6	15·6
2	Furreedpore	Ditto ...	2,250	1,609,359	4	8	12	24	8	16	1	23	17	4·89	8·06	12·94
3	Backergunge	Ditto ...	3,618	1,870,897	4	8	12	24	6	18	4	20	11	1·8	11·8	13·6
4	Mymensingh	Ditto ...	6,242	2,964,180	2	10	12	24	4	20	...	24	17	2·	9·8	11·8
	Total ..	.....	14,900	8,470,617	16	34	50	100	27	73	7	93	54	3·42	10·06	13·48
	Chittagong Division.															
1	Chittagong	Act III (B.C.) of 1885.	2,567	1,280,153	7	12	...	19	7	12	9	10	13	4·46	5·76	10·22
2	Noakhali	Ditto ...	1,639	1,008,969	6	7	...	13	6	7	1	12	18	3·14	3·16	6·6
3	Tipperah	Ditto ...	2,476	1,776,840	4	6	8	18	5	13	6	12	16	2·64	7·16	9·8
	Total ...	......	6,682	4,065,053	17	25	8	50	18	32	16	34	47	3·51	5·36	8·87
	Patna Division.															
1	Patna	Act III (B.C.) of 1885.	2,079	1,756,856	5	7	12	24	10	14	3	21	12	4·8	7·9	12·7
2	Gya	Ditto ...	4,133	2,141,065	2	8	10	20	4	16	4	16	13	1·6	4·1	5·7
3	Shahabad	Ditto ...	4,335	1,918,406	4	8	12	24	9	15	6	18	14	4·2	9·	13·2
4	Mozufferpore	Ditto ...	3,003	2,582,060	1	8	9	18	6	12	9	9	9	3·	5·	8·
5	Durbhunga	Ditto ...	3,331	2,139,298	5	7	12	24	5	19	14	10	19	2·	9·	11·
6	Sarun	Ditto ...	2,625	2,285,404	7	8	15	30	11	19	14	16	18	3·7	8·3	12·
7	Chumparun	Ditto ...	3,510	1,690,038	4	12	...	16	4	12	10	6	11	2·	3·7	5·7
	Total ...	......	23,025	14,513,127	28	58	70	156	49	107	60	96	96	3	6·7	9·7
	Bhagulpore Division.															
1	Monghyr	Act III (B.C.) of 1885.	3,922	1,910,070	5	7	12	24	6	18	8	10	11	2·3	8·4	10·7
2	Bhagulpore	Ditto ...	4,258	1,892,248	3	12	15	30	4	26	4	26	12	2·5	11·5	14·
3	Purneah	Ditto ...	4,870	1,938,094	2	10	12	24	3	21	8	16	14	2·4	7·8	10·2
4	Maldah	Ditto ...	1,898	794,830	2	10	...	12	3	9	4	8	13	3·39	2·61	6·
	Total ...	......	14,948	6,535,260	12	39	39	90	16	74	24	66	50	2·64	7·57	10·22
	Orissa Division.															
1	Cuttack	Act III (B.C.) of 1885.	3,618	1,859,167	5	5	10	20	7	13	4	16	12	2·	6·25	8·25
2	Pooree	Ditto ...	2,522	904,1·7	2	4	6	12	6	6	1	11	14	2·14	3·62	5·76
3	*Balasore	Ditto ...	2,066	989,190	2	5	8	15	6	9	5	10	14	3·07	4·28	7·35
	Total ...	......	8,206	3,752,514	9	14	24	47	19	28	10	37	40	2·4	4·71	7·12
	Grand Total ...	......	100,429	59,313,428	148	284	323	755	220	535	163	592	481	2·73	6·94	9·64

* Excluding the Chairman.
† Including the Chairman.
a There were three vacancies on the Dinagepore District Board during the year.
b The new figures against Rungpore have been counted.

APPENDIX II.

FORM No. I(*b*).

Statement showing the constitution of Local Boards in Bengal during the year ending 31st March 1891.

Number.	Name of Local Board.	Act under which constituted.	Area in square miles.	Population within the area.	NUMBER OF MEMBERS.* *Ex-officio.*	Nominated.	Elected.	Total.	Officials.	Non-officials.	Europeans and Eurasians.	Natives.	Number of meetings held.	AVERAGE ATTENDANCE AT EACH MEETING.† Officials.	Non-officials.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	BURDWAN DIVISION.															
	Burdwan.															
1	Sudder	Act III (B.C.) of 1885.	1,230	605,510	...	5	10	15	2	13	...	15	12	·58	6·67	7·25
2	Cutwa	Ditto ...	347	217 400	...	3	6	9	1	8	...	9	9	·66	2·64	3·3
3	Culna	Ditto ...	428	226,183	...	3	6	9	...	9	..	9	12	......	4·1	4·1
4	Raneegunge	Ditto ...	664	273,432	...	4	5	9	...	9	2	7	11	......	3·36	3·36
	Bankoorah.															
1	Sudder	Ditto ...	1,916	647,085	1	3	8	12	2	10	...	12	12	1·25	4·16	5·41
2	Bishenpore .. .	Ditto .	705	304,667	...	3	6	9	1	8	...	9	4	·75	4·	4·75
	Beerbhoom.															
1	Sudder	Ditto ..	1,087	476,271	...	3	8	11	4	7	..	11	11	2·	1·81	3·81
2	Ramporehat	Ditto	669	310,507	...	3	6	9	...	9	1	8	18	....	4·38	4·38
	Midnapore.															
1	Sudder	Ditto ...	3,290	1,235,190	3	9	24	36	7	29	5	31	4	2·75	9·	11·75
2	Tumlook	Ditto .	617	471,385	1	5	12	18	1	17	...	18	10	·6	7·	7·6
3	Ghatal	Ditto ..	303	245,185	.	6	12	18	3	15	...	18	9	2·45	5·55	8·
4	Contai	Ditto .	849	478,084	3	5	13	21	3	18	1	20	14	·5	8·	8·5
	Hooghly.															
1	Sudder	Ditto ..	428	208,676	1	6	8	15	2	13	...	15	9	·9	5·3	6·2
2	Serampore	Ditto .	328	291,624	1	6	8	15	1	14	1	14	10	·2	8·4	8·6
3	Jehanabad ...	Ditto .	435	342,089	..	3	6	9	1	8	...	9	10	1·	5·	6·
	Howrah.															
1	Sudder	Ditto .	303	323 737	...	3	6	9	1	8	...	9	5	......	6·2	6·2
2	Uluberia	Ditto ...	162	216,01[illegible]	.	6	6	12	.	12	.	12	10	......	5·38	5·38
	Total ...	......	13,761	7,013,001	10	76	150	236	29	207	10	226	170	·8	5·35	6·15
	PRESIDENCY DIVISION.															
	24-Pergunnahs.															
1	Alipore	Ditto ...	831	527,012	...	6	9	15	3	12	..	15	10	1·4	5·3	6·7
2	Baraset	Ditto ..	279	230 252	..	3	6	9	2	7	...	9	8	1·6	3·9	5·5
3	Bussirhat	Ditto ..	334	513 542	...	5	4	9	..	9	...	9	6	......	4·34	4·34
4	Diamond Harbour ...	Ditto .	417	401,878	...	4	8	12	..	12	..	12	12	.. ...	6·	6·
5	Barrackpore	Ditto ..	29	13,485	...	2	4	6	3	3	..	6	7	·75	3·75	4·5
6	Dum-Dum	Ditto	12	32,454	...	5	1	6	1	5	.	6	3	·71	3·57	4·28
	Nuddea.															
1	Kushtea	Ditto ..	589	480,391	...	3	6	9	..	9	..	9	9	.....	4·1	4·1
2	Chooadanga	Ditto .	437	245,958	.	3	6	9	..	9	1	8	5	......	4·8	4·8
3	Meherpore ...	Ditto .	632	335,541	.	6	3	9	..	9	2	7	2	......	4·5	4·5
4	Ranaghat	Ditto ..	421	229,264	..	3	6	9	...	9	...	9	5	1·	6·	7·
5	Krishnaghur	Ditto ..	707	347,304	..	4	8	12	..	12	.	12	10	......	5·8	5·8
	Jessore.															
1	Sudder	Ditto ..	889	590,950	..	6	12	18	..	18	1	17	4	.....	·7	·7
2	Bongong .. .	Ditto ..	640	337,956	...	5	10	15	1	14	.	15	5	1·8	7·8	9·6
3	Narail	Ditto ...	487	346 661	..	3	6	9	.	9	..	9	7	......	3 14	3·14
4	Magura	Ditto .	425	304,327	...	3	6	9	..	9	1	8	6	......	5·16	5·16
5	Jhenidah	Ditto ..	475	312,185	..	3	6	9	...	9	1	8	7	.....	5·55	5·55
	Moorshedabad.															
1	Sudder	Ditto ...	974	522,382	...	10	5	15	...	15	2	13	6	.. ...	5·16	5·16
2	Lailbagh	Ditto ..	234	107,776	..	7	2	9	...	9	1	8	6	1·	4·5	5·5
3	Kandi	Ditto ..	383	213,297	...	6	6	12	.	12		12	12	·83	3 37	4·2
4	Jungipore	Ditto ..	507	293,893	...	4	8	12	..	12	2	10	10	......	6·3	6·3
	Khoolna.															
1	Khoolna	Ditto ...	696	379,251	1	3	8	12	1	11	...	12	6	·5	6·5	7·
2	Bagirhat	Ditto ...	679	340,559	..	4	8	12	1	11	...	12	4	·5	5·75	6·25
3	Satkhira	Ditto ...	702	457,842	..	5	10	15	..	15	...	15	5	... ..	7·	7·
	Total ...	......	11,788	7,373,258	1	103	148	252	12	240	11	241	155	·43	4·91	5·35
	RAJSHAHYE DIVISION.															
	Rajshahye.															
1	Beauleah	Ditto ...	939	580,319	...	5	10	15	1	14	1	14	5	·4	5·6	6·0
2	Natore	Ditto ...	811	461,418	.	4	8	12	...	12	...	12	7	...	6·4	6·4
3	Nowgong	Ditto ...	603	268,579	...	3	6	9	1	8	...	9	5	1·	4·	5·
	Pubna.															
1	Pubna	Ditto ...	899	596,697	...	4	8	12	...	12	...	12	18	...	4·6	4·6
2	Serajgunge	Ditto ...	944	678,727	...	4	8	12	2	10	1	11	13	2	4·	6·
	Rungpore.															
1	Rungpore	Ditto ...	1,145	659,342	..	12	...	12	...	12	...	12	9	·7	4·2	4·9
2	Gaibanda	Ditto ...	760	450,802	...	6	...	6	...	6	...	6	6	1·	2·5	3·5
3	Nilphamari	Ditto ...	638	439,486	...	6	...	6	...	6	...	6	10	·7	3·9	4·6
4	Kurigram	Ditto ...	937	534,954	.	6		6	...	6	...	6	6	·8	3·1	3·9
	Total ...		7,676	4,670,384	...	50	40	90	4	86	2	88	81	·7	4·2	4·9

* Excluding the Chairman.
† Including the Chairman.

	Name of Local Board.	Act under which constituted.	Area in square miles.	Population within the area.	Number of Members.*								Number of meetings held.	Average attendance at each meeting.†		
					Ex-officio.	Nominated.	Elected.	Total.	Officials.	Non-officials.	Europeans and Eurasians.	Natives.		Officials.	Non-officials.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Dacca Division.															
	Dacca.															
1	Sudder	Act III (B.C.) of 1885.	1,261	621,368	...	4	8	12	...	12	...	12	5	...	6·4	6·4
2	Naraingunge	Ditto ...	640	458,149	...	3	6	9	...	9	...	9	5	...	5·8	5·8
3	Munshigunge	Ditto ...	401	519,447	...	5	10	15	1	14	...	15	4	·7	9·5	10·2
4	Manickgunge	Ditto ...	488	427,217	...	3	6	9	...	9	...	9	5	...	5·4	5·4
	Furreedpore.															
1	Sudder	Ditto ...	850	610,468	1	3	8	12	3	9	...	12	9	·88	3·	3·88
2	Goalundo	Ditto ...	428	321,485	...	3	6	9	...	9	...	9	7	...	5·28	5·28
3	Madaripur	Ditto ...	972	677,406	...	4	8	12	2	10	...	12	11	·72	4·82	5·54
	Backergunge.															
1	Sudder	Ditto ...	1,083	705,717	...	6	12	18	2	16	1	17	10	·5	9·2	9·7
2	Perozepur	Ditto ...	689	436,192	1	4	10	15	3	12	...	15	9	·6	7·7	8·3
3	Patuakhali	Ditto ...	1,231	426,758	...	9	...	9	2	7	...	9	12	2	2·75	4·75
4	Bhola	Ditto ...	615	212,230	...	9	...	9	2	7	...	9	7	2	3·6	5·6
	Mymensingh.															
1	Sudder	Ditto ...	1,845	720,668	1	4	10	15	2	13	...	15	11	·8	7·1	7·9
2	Tangail	Ditto ...	1,051	737,250	...	4	8	12	1	11	...	12	10	1	5·7	6·7
3	Jamalpur	Ditto ...	1,220	476,945	...	7	2	9	...	9	...	9	9	·7	4·6	5·3
4	Kishoregunge	Ditto ...	737	445,517	..	5	10	15	1	14	..	15	9	1	·6	1·6
5	Netrokona	Ditto ...	1,389	574,800	...	4	8	12	...	12	1	11	9	1	5·2	6·2
	Total ...		14,900	8,470,617	3	77	112	192	19	173	2	190	132	·74	5·41	6·15
	Chittagong Division.															
1	Comillah (Tipperah) ...	Ditto ...	1,138	820,707	...	12	...	12	...	12	...	12	4	....	5·7	5·7
2	Brahmanbaria	Ditto ...	758	584,877	...	9	...	9	1	8	...	9	8	1	2·62	3·62
3	Chandpore	Ditto ..	580	371,256	...	6	...	6	1	5	...	6	7	1·7	2·3	4
	Total ...	......	2,476	1,776,840	...	27	...	27	2	25	...	27	19	·9	3·54	4·44
	Patna Division.															
1	Patna	Ditto ...	617	585,887	..	4	8	12	...	12	...	12	13	.....	5	5
2	Barh	Ditto ...	526	376,074	...	8	1	9	2	7	.	9	10	1	2·	3·5
3	Behar	Ditto ...	793	628,767	...	3	7	(a)10	1	9	.	10	10	·8	4·4	5·2
4	Dinapore	Ditto ...	143	166,128	..	3	6	9	...	9	1	8	7	.....	3·4	3·4
	Gya.															
1	Gya	Ditto ...	1,839	830,897	2	7	...	9	2	7	1	8	13	·15	3	3·15
2	Jehanabad	Ditto ...	607	395,326	..	6		6	1	5	1	5	13	1·15	1·07	2·22
3	Aurungabad	Ditto ...	667	471,853	...	6	..	6	...	6	...	6	6	1	2·14	3·14
4	Nowada	Ditto ...	1,020	442,959	...	6	...	6	..	6	...	6	8	1	3	4
	Shahabad.															
1	Arrah	Ditto ...	903	667,330	1	19	...	20	1	19	3	17	9	·1	9·6	9·7
2	Buxar	Ditto ...	644	405,668	1	13	...	14	1	13	1	13	7	·44	1·7	2·14
3	Sasseram	Ditto ...	1,488	510,724	...	20	...	20	1	19	...	20	6	2·9	4·6	7·5
4	Bhabua	Ditto ...	1,390	334,684	...	8	..	8	...	8	...	8	9	.....	2·74	2·74
	Mozufferpore.															
1	Mozufferpore	Ditto ...	1,218	1,019,633	...	8	...	8	3	5	3	5	5	·8	2·8	3·6
2	Hajipore	Ditto ...	771	724,531	...	8	...	8	1	7	5	3	3	1	3·3	4·3
3	Sitamarhi	Ditto ...	1,014	837,894	...	8	..	8	1	7	2	6	5	2	2·8	4·8
	Durbhunga.															
1	Durbhunga	Ditto ...	1,221	821,067	...	10	...	10	1	9	5	5	16	·2	3·8	4
2	Samastipore	Ditto ...	763	587,145	...	8	..	8	.	8	4	4	8	1	4	5
3	Madhubani	Ditto ...	1,347	730,186	3	7	...	10	2	8	4	6	8	1	4	5
	Sarun.															
1	Chupra	Ditto ...	1,001	991,522	2	14	...	16	4	12	10	6	6	·6	6·7	7·3
2	Sewan	Ditto ...	853	726,034	1	7	...	8	2	6	4	4	12	1·1	1·8	2·9
3	Gopalgunge	Ditto ...	771	567,788	2	4	...	6	2	4	2	4	11	1·6	1·1	2·7
	Total ...		19,506	12,823,089	12	177	22	211	25	186	46	165	185	·84	3·50	4·34
	Bhagulpore Division.															
	Monghyr.															
1	Sudder	Ditto ...	1,500	779,126	...	12	...	12	...	12	3	9	10	...	4·4	4·4
2	Begusarai	Ditto ...	769	583,426	1	11	...	12	1	11	4	8	5	·6	6·2	6·8
3	Jamui	Ditto ...	1,593	547,527	1	11	...	12	1	11	...	12	11	·8	3·7	4·5
	Bhagulpore.															
1	Sudder	Ditto ...	926	472,989	...	13	...	13	...	13		13	13	.....	5·9	5·9
2	Banka	Ditto ..	1,185	420,379	...	12	...	12	...	12	...	12	8	1	5·1	6·1
3	Supoul	Ditto ...	1,275	[illegible]	...	14	..	14	1	13	2	12	10	1	5·1	6·1
4	Mudehpura	Ditto ...	872	398,006	...	12	.	12	...	12	1	11	8	......	6·1	6·1
	Purneah.															
1	Sudder	Ditto ...	2,533	857,976	...	12	...	12	1	11	5	7	6	·8	5·1	5·9
2	Kissengunge	Ditto ..	1,304	648,069	...	12	...	12	...	12	1	11	6	.....	3·6	3·6
3	Arrareah	Ditto ...	1,044	432,040	...	12	...	12	1	11	...	12	9	·7	6·8	7·5
	Total ...		13,001	5,741,421	2	121	...	123	5	118	16	107	86	·4	5·2	5·6

* Excluding the Chairman.
† Including the Chairman.
(a) There were two vacancies on the Behar Local Board during the year.

Number.	Name of Local Boards.	Act under which constitution.	Area in square miles.	Population within the area.	Number of Members.*								Number of meetings held.	Average attendance at each meeting.†		
					Ex-officio.	Nominated.	Elected.	Total.	Officials.	Non-officials.	Europeans and Eurasians.	Natives.		Officials.	Non-officials.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Orissa Division.															
	Cuttack.															
1	Sudder	Act III (BC) of 1885.	1,519	934,217	3	12	...	15	5	10	2	13	10	1·5	5·7	7·2
2	Kendrapara	Ditto ...	1,000	412,870	...	12	...	12	...	12	1	11	5	... ...	6·8	6·8
3	Jajpur	Ditto ...	1,090	512,071	..	12	...	12	3	9	...	12	6	1·3	7·1	8·6
	Pooree.															
1	Sudder	Ditto ...	1,527	578,874	1	7	...	8	3	5	...	8	4	1·	2·5	3·5
2	Khorda	Ditto ...	995	325,283	...	6	...	6	4	2	...	6	6	3·5	1·5	5
	Balasore.															
1	Sudder	Ditto ..	1,158	545,582	1	11	...	12	2	10	2	10	12	2	5·4	7·4
2	Bhudruck	Ditto ...	908	443,608	...	10	...	10	2	8	2	8	11	1·07	4·77	6·44
	Total ..		8,206	3,752,514	5	70	...	75	19	56	7	68	54	1·59	4·82	6·42
	GRAND TOTAL ...	......	91,374	51,620,124	33	701	472	1,206	115	1,091	94	1,112	882	·8	4·61	5·41

* Excluding the Chairman.
† Including the Chairman.

APPENDIX III.

FORM

Statement showing the income of the District Boards

Serial number.	Name of District Board.	Closing balance of last year.	I.—LAND REVENUE.					VI.—PROVINCIAL RATES.					XII.—INTEREST.			XIII.—POST OFFICE.			XVII.—POLICE.
			Revenue due to canals.	Sale proceeds of trees, grass, &c.	Cost of collecting road cess arrears recovered.	Fees, fines and forfeitures.	Total.	Local rate.	Patwari cess.	Village service fund.	Interest on arrears of road cess.	Total.	On education securities.	On dispensary securities.	Total.	Mail cart receipts.	District Post (collections).	Total.	Receipts under Cattle Trespass Act.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Chittagong Division.																		
1	Chittagong	1,70,217	10,227	1,883	5,031	...	18,041	71,383	...	...	446	71,829	...	...	...	...	...	...	5,238
2	Noakhally	96,979	...	79	...	...	79	68,608	...	...	...	68,608	...	...	...	...	...	...	8,071
3	Tipperah	1,34,005	...	934	...	2,218	3,152	84,882	...	...	979	85,861	...	...	...	...	...	...	8,735
	Total ...	4,01,801	10,227	2,896	5,031	2,218	21,272	2,24,873	...	...	1,425	2,26,298	...	...	...	...	...	...	22,044
	Bhagulpore Division.																		
1	Monghyr	46,152	...	340	...	...	340	1,31,696	...	...	1,432	1,33,128	...	...	...	...	...	...	11,430
2	Bhagalpore	54,479	...	1,087	...	...	1,087	1,30,316	...	...	...	1,30,316	...	231	231	...	...	...	21,365
3	Purneah	90,831	...	495	...	...	495	65,289	...	...	...	65,289	...	...	...	...	...	...	44,525
4	Maldah	32,860	...	...	...	...	...	25,976	...	...	...	25,976	...	...	...	...	...	...	15,100
	Total ...	2,24,322	...	1,922	..	..	1,922	3,53,277	...	...	1,432	3,54,709	...	231	231	...	...	...	92,480
	Orissa Division.																		
1	Cuttack	47,655	...	407	...	...	407	55,129	...	..	...	55,129	...	...	...	...	...	..	5,166
2	Pooree	15,640	...	...	...	...	...	27,789	...	...	...	27,780	...	...	...	...	...	...	1,462
3	Balasore	29,954	...	...	...	...	...	32,647	...	...	...	32,647	...	274	274	...	...	...	4,256
	Total ...	93,249	...	407	...	...	407	1,15,565	...	...	...	1,15,565	...	274	274	...	...	...	10,884
	Rajshahye Division.																		
1	Rajshahye	16,358	...	28	...	...	28	64,016	...	..	330	64,346	4	...	4	...	...	...	9,622
2	Pubna	52,923	...	22	...	...	22	42,782	...	...	344	43,126	...	...	...	...	...	...	14,742
3	Dinagepore	49,805	...	78	...	...	78	77,336	...	...	...	77,336	...	...	...	...	...	...	19,143
4	Bogra	42,662	...	44	...	...	44	40,734	...	...	...	40,734	...	...	...	..	...	...	15,121
5	Rungpore	50,570	...	102	...	...	102	1,18,800	...	...	715	1,19,515	...	...	...	...	...	...	13,046
6	Julpigoree	15,169	...	6	...	...	6	45,815	...	...	...	45,815	...		...	...	...	...	5,660
	Total ...	2,27,427	...	280	...	...	280	3,89,483	..	...	1,389	3,90,872	4	...	4	...	...	...	77,334
	Burdwan Division.																		
1	Burdwan	1,00,015	...	...	...	...	...	1,22,467	...	..	2,297	1,24,764	...	...	...	...	...	...	8,332
2	Bankoorah	8,605	...	253	...	...	253	39,568	...	...	1,435	41,003	...	...	...	...	...	...	1,442
3	Beerbhoom	23,514	...	...	...	...	...	49,525	...	...	...	49,525	...	...	...	...	...	...	7,293
4	Midnapore	48,192	...	...	...	...	...	1,33,955	...	...	1,996	1,35,951	...	...	...	...	...	...	10,007
5	Hooghly	38,747	..	...	...	...	...	71,092	...	..	2,640	73,732	...	...	..	...	...	...	8,292
6	Howrah	50,617	...	...	...	...	...	36,973	...	.	...	36,973	...	...	..	...	...	...	2,730
	Divisional Total ...	2,69,080	...	253	...	...	253	4,53,580	...	..	8,368	4,61,948	...	...	...	...	...	...	38,105
	Dacca Division.																		
1	Dacca	41,393	...	...	...	..	...	67,639	...	...	627	68,266	...	...	...	...	...	...	9,071
2	Furreedpore	34,692	...	...	...	...	...	47,688	..	...	...	47,088	...	...	...	...	..	...	9,930
3	Backergunge	54,736	..	...	...	...	...	85,821	...	...	742	86,563	...	20	20	...	...	...	12,814
4	Mymensingh	94,189	...	...	...	...	...	1,57,757	..	...	515	1,58,272	..	...	..	...	...	...	42,096
	Total ...	2,26,920	...	...	.	...	...	3,58,905	...	...	1,884	3,60,789	...	20	20	...	...	...	74,811
	Patna Division.																		
1	Patna	94,054	...	335	...	...	335	1,65,804	...	...	2,391	1,68,195	...	...	...	...	...	...	3,980
2	Gya	74,145	...	5,354	...	...	5,354	1,69,610	...	...	3,916	1,73,526	...	40	40	...	...	...	9,835
3	Shahabad	59,184	...	327	...	...	327	1,65,785	...	...	1,207	1,67,992	...	...	...	...	...	...	5,867
4	Mozufferpore	17,105	...	420	...	...	420	1,48,225	...	...	3,114	1,51,339	...	...	...	...	...	...	4,234
5	Durbhunga	30,207	...	390	...	...	390	1,78,095	...	...	6,426	1,84,521	...	...	...	...	...	...	5,335
6	Sarun	68,424	...	76	...	...	76	1,39,905	...	...	2,450	1,42,354	...	...	...	...	...	...	4,102
7	Chumparun	18,224	...	59	..	...	59	80,319	...	...	244	80,563	...	...	...	...	...	...	18,236
	Total ...	3,61,313	...	6,961	...	...	6,961	10,48,743	...	...	19,757	10,68,500	...	40	40	...	...	...	51,649
	Presidency Division.																		
1	24-Pergunnahs ...	52,095	...	1,309	...	...	1,309	1,08,831	...	...	1,380	1,10,211	...	...	...	...	...	...	8,254
2	Nuddea	15,938	...	...	...	...	...	64,321	...	..	96	64,417	...	...	...	...	...	...	29,639
3	Jessore	40,457	...	...	...	...	...	81,451	...	...	...	81,451	...	...	...	...	...	...	22,773
4	Khulna	9,008	...	27	...	...	27	55,154	...	...	1,419	56,573	...	..	...	...	...	...	4,595
5	Moorshedabad	10,661	...	1,316	...	...	1,316	56,473	..	...	718	57,191	...	...	.	...	...	...	10,307
	Total ...	1,28,249	...	2,742	...	...	2,742	3,56,230	..	...	3,013	3,59,843	...		...	...	...	...	75,568
	GRAND TOTAL ...	19,33,291	10,227	15,461	5,031	2,218	33,837	33,00,656	...	...	37,868	33,38,524	4	565	569	...	...	...	4,43,775

No. II.

in Bengal during the year ending 31*st March* 1891.

XXXII.—CIVIL WORKS.										CONTRIBUTIONS.			DEBT.			Total income excluding opening balance.	Total income including opening balance.	Incidence of taxation per head of population.	Incidence of income (excluding balances) per head of population.
IN CHARGE OF CIVIL OFFICERS.								In charge of Public Works Officers.	Total.										
Tolls on ferries.	Rent of buildings and lands.	Sale of nazul buildings and lands.	Sale of buildings and other property (other than nazul).	Sale of stores and materials.	Miscellaneous.	Contributions.	Total.			From Provincial to Local.	From other Boards.	Total.	Loans.	Deposits and advances.	Total.				
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	As. P.	As. P.
11,239	...	...	...	...	...	...	11,230	...	11,239	21,014	...	21,014	...	30,173	30,173	1,59,055	3,29,272	0 10	1 11
11,270	...	...	...	...	...	2,620	13,890	..	13,800	18,479	...	18,479	...	13,653	13,653	1,27,076	2,24,055	1 1	2 0
3,333	...	...	...	...	...	..	3,333	...	3,333	33,225	...	33,225	...	9,091	9,091	1,44,465	2,79,070	0 9	1 3
25,842	...	...	..	.	...	2,620	28,462	..	28,462	72,718	...	72,718	...	52,917	52,917	4,30,596	8,32,307	0 10	1 8
17,812	41	...	...	146	143	50	18,192	...	18,192	1,300	...	1,300	...	5,080	5,080	1,74,061	2,20,218	1 1	1 6
2,830	...	...	...	...	...	...	2,830	...	2,830	2,168	...	2,168	...	16,329	16,329	1,79,736	2,34,215	1 1	1 6
...	...	...	...	...	...	...		...	...		...	...	...	13,418	13,418	1,25,589	2,10,420	0 6	1 0
4,779	...	...	...	..	...	.	4,779		4,779	4,603	...	4,603	..	11,141	11,141	63,448	96,308	0 8	1 3
25,421	41	.	.	146	143	50	25,801	..	25,801	8,161	...	8,161	.	45,968	45,968	5,42,834	7,67,156	0 10	1 4
8,185	...	...	...	...	...	...	8,185	...	8,185	29,791	...	29,791	...	241	241	1,08,785	1,51,390	0 6	0 11
2,493	...	...	...	...	2	...	2,495	...	2,495	22,623	...	22,623	89	712	831	56,615	72,255	0 8	1 0
5,779	...	...	...	...	5	300	6,084	..	6,084	19,051	..	19,051	...	5,125	5,125	71,286	1,01,190	0 6	1 2
16,457	...	...	...	...	7	300	16,764	..	16,764	71,465	...	71,465	89	6,108	6,197	2,31,586	3,24,835	0 6	1 0
10,819	40	..	...	...	12	...	10,871	...	10,871	2,593	...	2,593	...	25,749	25,749	1,14,712	1,31,070	0 9	1 5
8,399	...	...	...	...	...	375	8,774	...	8,774	5,353	...	5,353	...	8,401	8,401	84,748	1,37,069	0 6	1 0
3,484	...	...	...	...	7	731	4,222	...	4,222	7,831	...	7,831	40,000	21,404	61,404	1,74,262	2,24,007	0 10	1 10
1,358	...	...	...	...	...	...	1,358	..	1,358	648	...	648	...	5,011	5,011	65,448	1,08,110	0 10	1 4
30,065	240	...	...	.	382	8,497	39,184	...	39,184	3,179	75	3,254	.	30,864	30,864	2,09,033	2,59,063	0 8	1 7
21,920	300	...	...	15	5	.	22,240	...	22,240	20,635	...	20,635	25,000	17,175	42,175	1,38,617	1,53,726	1 3	3 10
76,045	580	...	...	15	406	9,603	86,049	...	86,649	40,238	75	40,313	65,000	1,08,664	1,73,664	7,86,758	10,14,185	0 10	1 8
7,562	...	...	...	...	5	...	7,567	...	7,567	77,708	...	77,708	...	21,034	21,034	2,45,745	3,45,760	1 6	3 0
2,165	...	...	...	...	...	50	2,215	...	2,215	41,084	...	41,084	...	2,541	2,541	92,879	1,01,484	0 7	1 5
882	...	...	...	...	...	...	882	...	882	12,764	...	12,764	...	18,184	18,184	91,419	1,14,933	1 0	1 10
18,273	...	...	...	. .	...	...	18,273	...	18,273	37,486	...	37,486	...	21,562	21,562	2,37,273	2,85,765	0 11	1 7
6,358	...	..	...	...	959	. .	7,317	...	7,317	92,972	...	92,972	...	12,691	12,691	2,09,505	2,48,252	1 3	3 9
5,754	...	...	...	...	...	...	5,754	. .	5,754	7,052	...	7,052	...	639	639	54,413	1,05,020	1 1	1 8
40,994	...	...	...	..	964	50	42,008	. .	42,008	2,69,066	.	2,69,086	..	76,651	76,651	9,31,2[illegible]4	12,01,214	1 0	2 1
27,142	404	...	...	48	6	2,465	30,065	...	30,065	22,153	...	22,153	. .	17,983	17,983	1,56,110	1,97,503	0 6	1 3
2,774	...	...	...	...	...	...	2,774	...	2,774	21,161	...	21,161	...	12,718	12,718	99,904	1,38,506	0 6	1 0
5,021	128	...	...	65	57	...	6,171	...	6,171	52,733	...	52,733	...	10,600	10,600	1,76,411	2,11,147	0 9	1 4
10,072	..	...	...	37	7	738	10,854	...	10,854	7,379	.	7,379	...	28,053	28,053	2,49,823	3,44,011	0 10	1 4
45,909	532	...	...	150	70	3,203	49,864	...	49,864	83,426	.	83,426	.	69,354	69,354	6,62,247	8,89,167	0 8	1 3
15,680	154	...	18	...	7	...	15,859	...	15,859	6,243	...	6,243	40,000	4,709	44,709	2,45,804	3,30,648	1 6	2 3
765	247	...	...	3	5	90	1,110	...	1,110	51,327	...	51,327	...	16,304	16,304	2,61,033	3,36,078	1 3	2 0
5,723	48	...	.	..	5	...	5,776	...	5,776	13,539	...	13,539	..	13,845	13,845	2,68,684	2,67,868	1 5	1 9
9,853	108	...	32	...	...	4,306	14,279	...	14,279	3,946	...	3,946	...	5,139	5,139	1,89,054	2,05,159	0 11	1 2
10,008	...	...	...	...	20	...	10,028	...	10,028	16,891	...	16,891	...	43,786*	43,786	2,72,279	3,02,486	1 4	2 0
10,518	...	...	...	...	6	1,564	12,088	...	12,088	4,252	..	4,252	...	61,574	61,574	2,36,[illegible]	3,01,923	1 0	1 8
4,841	...	...	...		...	...	4,841	...	4,841	879	400	1,279	...	11,117	11,117	1,22,036	1,40,320	0 9	1 2
66,368	557	..	50	3	43	5,960	72,981	...	72,981	97,077	400	97,477	40,000	1,59,534	1,99,534	15,36,139	18,97,482	1 2	1 6
22,034	536	...	...	...	...	7,619	30,189	...	30,189	1,03,560	...	1,03,560	...	14,652	14,652	2,75,667	3,27,702	1 2	2 11
2,923	..	...	...		..	...	2,923	...	2,923	1,625	...	1,625	...	19,844	19,8[illegible]	1,11,840	1,27,787	0 6	1 1
6,226	25	...	...	271	175	474	7,171	...	7,171	25,698	...	25,698	...	3,043	3,043	1,44,[illegible]83	1,84,840	0 8	1 3
2,030	65	...	...		...	...	2,095	...	2,095	38,297	...	38,297	...	15,312	15,312	1,21,494	1,30,792	0 9	1 8
7,400	...	.	...	163	...	...	7,572	...	7,572	1,125	200	1,325	...	13,945	13,945	92,[illegible]31	1,03,402	0 10	1 4
41,522	626	...	...	434	175	8,093	50,850	...	50,850	1,70,303	200	1,70,503	...	66,826	66,826	7,46,424	8,74,071	0 9	1 7
3,38,558	2,836	...	50	718	1,808	29,879	3,73,379	...	3,73,379	8,12,454	675	8,13,129	1,05,089	5,86,022	6,91,111	58,67,818	78,01,109	0 11	1 7

* Including Rs. 199 on account of "Refunds."

APPENDIX

FORM

Statement showing the expenditure of the District Boards

Serial number.	Name of District Board.	Closing balance of last year.	Total income during the year.	1.—Refunds and drawbacks. Local rate refunds.	15.—Post Office. District post establishments.	15.—Post Office. Mail-cart Service.	15.—Post Office. Total.	19.—Administration. General establishments of Local Funds. Office establishment.	Office contingencies.	Payment of establishments for offices of accounts, control and audit.	Total.	20.—Police. Cattle-pound charges. Establishments.	Contingencies.	Refunds of cattle-pound collections.	Total.
	Chittagong Division.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	Chittagong ...	1,70,217	1,59,055	......	...	...	...	2,956	2,092	1,774	6,822	262	...	...	262
2	Noakhalli ...	96,979	1,27,076	......	...	...	...	2,165	290	1,536	4,000	516	26	21	563
3	Tipperah ...	1,34,005	1,44,465	16	...	...	...	2,651	499	1,665	4,815	1,229	316	10	1,555
	Total ...	4,01,801	4,30,596	16	...	...	...	7,772	2,890	4,975	15,637	2,007	342	31	2,380
	Bhagulpore Division.														
1	Monghyr	46,152	1,74,061	......	...	...	...	4,507	1,105	2,691	8,303	...	6	...	6
2	Bhagulpore ...	54,479	1,70,736	......	...	...	...	3,672	1,931	2,322	7,925	278	556	103	937
3	Purneah	90,831	1,25,589	.. ...	...	...	...	3,971	1,209	1,808	6,988	...	10	38	48
4	Maldah	32,860	63,448	......	...	...	...	2,475	629	722	3,826	54	...	...	54
	Total ...	2,24,322	5,42,834	... ..	...	...	...	14,715	4,874	7,543	27,132	332	572	141	1,045
	Orissa Division.														
1	Cuttack	47,055	1,03,735	......	...	...	...	2,507	904	1,167	4,668	2,830	1,150	...	3,980
2	Pooree	15,640	56,615	11	...	...	...	2,153	265	579	2,997	68	30	...	98
3	Balasore	29,954	71,236	......	...	...	...	2,320	885	811	4,016	1,344	427	...	1,771
	Total ...	93,249	2,31,586	11	...	..	...	6,980	2,144	2,557	11,681	4,242	1,607	...	5,849
	Rajshahye Division.														
1	Rajshahye ...	16,358	1,14,712	......	...	...	...	2,869	693	1,416	4,978	216	37	...	253
2	Pubna	52,023	84,746	......	...	...	...	3,541	640	1,051	5,241	1,020	82	...	1,102
3	Dinagepore ...	49,805	1,74,202	......	...	...	...	1,402	804	1,458	3,664	285	40	21	346
4	Bogra	42,662	65,448	......	...	...	...	1,331	315	891	2,537	...	...	...	...
5	Rungpore	50,570	2,09,033	......	...	...	..	6,644	1,826	2,604	11,074	...	32	...	32
6	Julpigoree... ...	15,109	1,38,617	......	...	...	...	1,427	671	1,175	3,273	364	...	...	364
	Total ...	2,27,427	7,86,758	......	...	...	...	17,214	4,958	8,595	30,767	1,885	191	21	2,097
	Burdwan Division.														
1	Burdwan	1,00,015	2,45,745	......	...	...	...	4,804	1,854	2,407	9,245	...	48	17	65
2	Bankoora ...	8,605	92,679	......	...	...	...	2,253	760	793	3,806	...	6	...	6
3	Beerbhoom ...	21,514	91,419	......	...	...	...	2,561	414	980	3,955	368	266	58	692
4	Midnapore	48,402	2,37,273	......	...	...	.	4,805	1,653	2,582	9,040	579	23	5	607
5	Hooghly	38,747	2,99,506	......	...	..	...	3,551	3,852	1,613	9,016	...	...	...	...
6	Howrah	50,617	54,413	...	...	...	...	2,655	287	865	3,807	197	50	...	247
	Total ...	2,69,980	9,31,234	... ..	...	.	...	20,719	8,820	9,330	38,869	1,144	393	80	1,617
	Dacca Division.														
1	Dacca	41,393	1,56,110	......	...	...	...	4,900	1,551	1,597	8,028	679	64	...	743
2	Furreedpore ...	36,602	99,904	......	...	...	...	3,108	924	973	5,005	231	154	1	386
3	Backergunge ...	51,7[illegible]6	1,56,411	......	..	...	...	4,054	864	1,622	6,540	...	...	...	...
4	Mymensingh ...	94,189	2,49,822	......	...	...	...	5,737	1,716	3,165	10,615	36	340	25	401
	Total ...	2,26,920	6,02,247	......	...	...	...	17,799	5,055	7,334	30,188	946	558	26	1,530
	Patna Division.														
1	Patna	94,054	2,45,504	......	...	...	...	10,865	1,839	3,046	15,750	10	...	...	10
2	Gya	74,145	2,61,933	......	...	...	...	10,178	1,332	3,302	14,812	1	264	123	388
3	Shahabad	59,184	2,08,684	......	...	...	...	6,692	2,198	1,963	10,853	92	14	...	106
4	Mozufferpore ...	17,105	1,89,054	......	...	...	...	5,218	866	2,486	8,565	175	32	673	880
5	Durbhunga ...	30,207	2,72,279	......	...	...	...	7,797	1,311	3,202	12,310	31	...	827	858
6	Sarun	68,424	2,36,491	......	...	...	...	8,851	1,121	2,805	12,777	2,598	1,062	9	3,669
7	Chumparun ...	18,224	1,22,096	......	...	...	...	2,743	559	1,736	5,038	5,098	2,601	...	7,699
	Total ...	3,61,343	15,36,139	......	...	...	...	52,342	9,217	18,540	80,099	8,005	3,973	1,632	13,610
	Presidency Division.														
1	24-Pergunnahs ...	52,095	2,75,667	......	...	...	...	4,606	1,121	1,936	7,663	6	149	8	163
2	Nuddea	15,9[illegible]8	1,11,849	4,909	...	...	...	3,075	1,240	1,445	5,760	300	194	121	615
3	Jessore	40,457	1,74,383	......	...	...	...	4,313	1,136	1,794	7,243	240	14	51	305
4	Khoolna	9,098	1,21,624	......	...	...	...	2,982	870	1,063	4,915	...	40	...	40
5	Moorshedabad ...	10,661	92,831	... ..	...	...	...	3,802	662	1,467	5,931	22	344	1	367
	Total ...	1,28,249	7,40,424	4,909	...	...	...	18,778	5,020	7,705	31,512	568	741	181	1,490
	GRAND TOTAL ...	19,33,201	58,67,818	4,936	...	...	...	1,56,319	43,987	66,579	2,05,885	19,129	8,377	2,112	29,618

V.

No. III.

Bengal during the year ending 31st March 1891.

CONTRIBUTIONS.			DEBT.			INTEREST ON DEBT.				BALANCE.			REMARKS.
To provincial.	To other Boards.	Total.	Payment of loans.	Deposits and advances.	Total.	On account of last year.	On account of current year.	Total.	Total expenditure.	Deposits.	Actual balance.	Total.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
...	...	...	...	48,999	48,999	...	...	..	1,76,103	...	1,53,160	1,53,169	
...	...	...	..	15,817	15,817	...	..	...	1,23,902	6,409	93,744	1,00,153	
...	...	...	...	15,357	15,357	...	...	...	2,21,709	4,248	53,113	57,361	
...	...	...		80,173	80,173	..	..	...	5,31,714	10,657	3,00,028	3,10,083	
...	...	...	...	4,127	4,127	...	...	...	2,05,040	1,285	13,288	14,573	
...	650	650	...	21,665	21,665	...	...	...	1,78,266	6,080	49,260	55,940	
..	700	700	..	11,930	11,930	...	...	...	1,54,360	360	61,751	62,111	
...	...	...		10,872	10 872	...	...	...	67,110	6,324	22,574	28,808	
...	1,350	1,350	...	48,504	48,504	...	..	..	6,05,625	14,049	1,46,882	1,61,531	
...	...	...	..	...	...	...	...	...	1,03,502	...	47,888	47,898	
...	...	...	...	...	..	...	...	...	40,020	741	22,494	23,235	
...	...	..	..	4,316	4,316	...	...	..	68,040	2,744	30,406	33,150	
...	...	...	...	4,316	4,316	..	...	..	2,20,562	3,485	1,00,788	1,04,273	
...	...	...	...	14,097	14,697	...	...	..	1,11,487	5,449	14,134	19,583	
...	..	...	...	10,355	10,355	...	...	...	98,717	4,560	34,392	38,952	
..	...	...	...	14,837	14,837	...	...	...	1,60,515	12,730	41,762	54,492	
...	...	...	...	6,017	6,017	...	...	...	62,331	2,164	43,615	45,779	
...	...	...	..	34,350	34,350	...	...	...	2,28,640	13 251	17,662	30,913	
...	.	..	.	7,757	7,757	..	...	...	1,30,707	8,495	8,524	17,019	
...	...	.	...	88,013	88,013	...	..	...	8,07,417	40,649	1,60,069	200,7 38	
364	...	364	...	27,661	27,661	...	...	...	2,83,544	16,346	45,870	62,216	
1,440	...	1,440	...	2,811	2,811	...	...	...	88,180	1,149	12,151	13,300	
...	...	..	...	18,045	18,045	...	...	...	90,09	5,786	10,057	15,843	
305	...	365	...	18,968	18,968	...	...	...	2,16,860	16,007	52,898	68,905	
235	...	235	...	5,432	5,432	...	...	...	1,91,778	10,801	45,013	56,474	
117	...	117	..	410	410	...	...	...	89,948	562	14,510	15,072	
2,521	...	2,521	...	73,327	73,327	..	...	..	9,63,404	50,711	1,81,059	2,31,810	
127	...	127	...	22,737	22,737	...	...	...	1,54,419	5,501	37,583	43,084	
...	...	...	...	12,844	12,844	...	...	...	1,17,110	...	10,396	10,306	
...	...	...	...	9,807	9,807	...	...	...	1,68,490	9,411	33,246	42,657	
...	...	...	...	...	38,357	...	...	...	2,87,735	24,210	32,066	56,276	
127	...	127	...	45,388	83,745	...	...	..	7,27,754	30,122	1,22,291	1,61,418	
...	...	...	...	8,718	8,718	...	...	...	2,33,805	5,495	98,346	1,03 843	
1,000	...	1,000	...	10,512	10,512	...	...	...	2,40,765	11,439	83,874	95,313	
...	...	...	...	12,010	12,010	...	...	...	1,67,066	10,168	90,634	1,00,802	
...	...	...	...	4,689	4,689	...	...	...	1,57,559	3,113	45,487	48,600	
...	...	...	...	27,761	27,761	...	...	...	3,01,351	...	1,135	1,135	
...	...	...	...	69,342	69,342	...	...	...	2,94,934	9,829	160	9,989	
...	...	...	...	8,068	8,068	...	...	...	1,26,343	1,570	12,407	13,977	
1,000	...	1,000	...	1,41,100	1,41,100	..	...	...	15,23,823	41,614	3,32,045	3,73,659	
...	...	...	...	13,358	13,358	...	...	...	2,63,009	12,221	52,532	64,753	
...	...	...	...	21,257	21,257	...	...	...	1,33,736	...	...	– 5,979	
...	...	...	...	3,262	3,252	...	...	...	1,57,645	7,359	19,836	27,195	
...	...	...	...	14,048	14,048	...	...	...	1,06,210	5,996	18,586	24,582	
1,147	...	1,147	...	4,708	4,708	...	...	...	92,644	3,571	7,477	10,848	
1,147	...	1,147	...	56,623	56,623	...	...	...	7,53,274	28,947	98,431	1,21,380	
4,795	1,350	6,145	...	5,37,534	5,75,891	...	...	...	61,20,603	2,35,584	14,41,651	16,71,506	

APPENDIX

FORM

Statement showing the details of the works undertaken for the improvement

District Board.	Improvement of water-supply.									Improvement of including vege	
	New tanks dug.		New wells sunk.		Existing sources of supply repaired or otherwise improved.		Watchmen employed to guard sources of drinking water-supply.			Village site improvements, *i.e.*, laying out streets, drains, &c.	
	Number of works.	Cost.	Number of works.	Cost.	Number and description of works.	Cost.	Sources and number of men employed.	Cost.	Total expenditure.	Number of villages.	Cost.
1	2	3	4	5	6	7	8	9	10	11	12
		Rs. A. P.		Rs. A. P.		Rs. A. P.			Rs. A. P.		Rs. A. P.
Noakhali	1	3,469 0 0	16	(*a*)2,739 0 0	Rajaghee tank at Fenny.	3,704 0 0	...	...	10,374 0 0		...
					Harishpore tank at Sundip ...	462 0 0	...	...	...	...	...
						4,166 0 0					
Monghyr	...	...	14	3,370 0 0	...(*b*)	740 0 0	...	...	4,128 0 0	...	...
Bhagulpore ..	...	...	26	705 0 0	6 wells	48 0 0	...	...	753 0 0	...	...
Purneah	...	...	...	...	... (*c*)	70 0 0	...	...	70 0 0	...	...
Maldah	...	...	...	...	...	...	...	...	...	...	...
Cuttack	3	209 6 6	6	937 13 5	...	...	...	...	1,237 3 11	...	...
Rajshahye	...	...	1	16 0 0	...	...	...	...	16 0 0	...	...
Pubna	3	1,452 0 0	28	1,033 0 0	...	...	...	...	2,485 0 0	...	...
Dinagepore ..	...	...	.	...	...	...	...	...	...	Raigunge ... ... Mudangunge hât and Sibgunge hât.	101 13 0 202 7 0
Burdwan (*d*) ...	...	...	..	...	...	...	...	...	...		
Bankoora	...	...	3	70 0 0	...	...	...	...	70 0 0	...	...
Midnapore	...	...	...	...	Two old wells repaired and five old tanks re-excavated.	1,015 0 0	...	...	1,015 0 0	...	...
Dacca	...	...	...	...	...	...	...	...	...	...	...
Furreedpore ...	6	1,146 12 9	...	...	5 (re-excavation of old tanks).	1,411 6 3	...	...	2,558 3 0	...	...
Backergunge ...	A B (*e*) C (*e*) D	779 14 3 450 0 0 390 0 0 135 6 10 1,755 5 1	3	380 14 0	1	375 0 0	...	...	2,511 3 1	...	...
Mymensingh ...	4	387 0 0	10	(*f*)3,689 0 0	6	1,214 0 0	...	...	5,290 0 0	...	...
Patna	...	...	7	1,019 0 0	4 wells ...	647 0 0	1	6	1,672 0 0	...	...
Gya	...	...	7	2,850 7 1	...	...	...	...	2,850 7 1	...	...
Shahabad	...	...	1	133 8 4	11 wells ...	934 9 0	...	...	1,068 1 4	...	...
Durbhunga ...	...	...	...	...	3 " ...	56 6 6	...	...	56 6 6	...	...
Sarun	...	...	...	...	3 " ...	271 0 0	...	...	271 0 0	1	37
Khulna ...	...	...	...	...	1	253(*h*)	...	...	253 0 0	...	...

V.

No. IV.

of sanitation in the districts of Bengal during the year ending 31*st March* 1891.

VILLAGE SITES, &c., REMOVAL OF RANK VEGETATION.			CONSERVANCY OF TOWNS AND VILLAGES.				SANITARY ARRANGEMENTS AT FAIRS AND FESTIVALS.		OTHER OBJECTS CALCULATED TO PROMOTE THE SAFETY, HEALTH, COMFORT, AND CONVENIENCE OF RURAL POPULATION.		REMARKS.
Removal of prickly pear and rank vegetation.				Scavenging establishment.							
Number of villages.	Cost.	Total expenditure.	Names of towns and villages conserved.	Number of men and carts.	Cost.	Arrangements made for the supervision of these establishments.	Names of places conserved.	Cost.	Particulars.	Cost.	
13	14	15	16	17	18	19	20	21	22	23	24
	Rs. A. P.	Rs. A. P.			Rs. A. P.			Rs. A. P.		Rs. A. P.	
......	......	......	......	......	......	......	......	......	......	......	(*a*) Price of 16 tube wells and also cost of experiments with them. No well yet sunk permanently.
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	......	......	......	......	......	......	......	(*b*) No account was kept as to the number of wells repaired.
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	......	......	......	......	......	......	......	(*c*) Number of wells not given.
......	......	......	......	......	......	......	......	......	Clearing snags from the Mahanunda and Kalindi rivers.	214 0 0	
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	......	......	......	Khetoor ...	150 0 0	......	......	
......	......	......	......	......	......	......	......	......	......	......	
Raigunge ...	18 8 0	210 5 0	......	......	......	......	......	......	......	......	
......	......	202 7 0	......	......	......	......	......	......	......	......	(*d*) Rupees 2,600 for re-excavating tanks, and Rs. 1,500 for sinking wells were advanced during the year, the completion report and accounts whereof have not been received.
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	......	......	......	I.—Kartick Baroni fair. II.—Nagalbund fair.	600 10 8 48 2 10 648 13 6	......	......	
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	......	......	......	......	......	......	......	(*e*) In progress.
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	......	......	......	Phulwari .	25 0 0	......	......	(*) Includes Rs. 173 spent for a tube well which unfortunately proved a failure.
......	......	......	......	......	......	......	......	......	......	......	
......	......	......	......	...(*g*)	594 6 5	......	......	......	Medical relief*	1,229 4 4	(*g*) No permanent establishment entertained, but work done by daily labour.
......	......	......	......	......	......	......	......	......	......	......	
......	......	37 0 0	......	......	......	......	Sonepur, Silhowri, Thaway.	2,291 0 0	......	......	
......	......	......	......	......	......	......	......	......	......	......	(*h*) No other waterwork was repaired except the one in Bagirhat Jail.

LIBERALITY OF RAJA BAIKUNTHA NATH DE, BAHADUR, OF BALASORE.

No. 2744, dated Calcutta, the 10th December 1891.

From—H. H. RISLEY, Esq., Offg. Secy. to the Govt. of Bengal, Municipal Dept.,
To—The Commissioner of the Orissa Division.

I AM directed to acknowledge the receipt of your memorandum No. 283 L.F., dated the 29th October 1891, and enclosure, from the Magistrate of Balasore, forwarding a copy of a letter from Raja Baikuntha Nath De, Bahadur, in which he proposes to establish a charitable dispensary at his own cost at Soro on the Jagannath road, in the district of Balasore, and to guarantee the payment of Rs. 800 annually towards its cost for ten years, if the Pilgrims Lodging-house Fund for that district contribute a corresponding amount. It is proposed to call the institution the "Elliott Charitable Dispensary."

2. In reply, I am directed to say that the Lieutenant-Governor accepts the offer on the terms proposed; and I am to request that you will convey to Raja Baikuntha Nath De, Bahadur, an expression of His Honour's thanks for his liberality. The Inspector-General of Civil Hospitals will be requested to appoint a Civil Hospital Assistant of the third class to be in charge of the dispensary when it is opened. This letter will be published in the *Calcutta Gazette*.

LIBERALITY OF BABU KRISHNA MOHUN RUDRA SIRKAR OF IRPALA, IN THE MIDNAPORE DISTRICT.

No. 2746, dated Calcutta, the 10th December 1891.

From—H. H. RISLEY, Esq., Offg. Secy. to the Govt. of Bengal, Muncipal Dept.,
To—The Commissioner of the Burdwan Division.

I AM directed to acknowledge the receipt of your letter No. 655M., dated 6th November 1891, in which you state, in continuation of previous correspondence on the subject, that Babu Krishna Mohun Rudra Sirkar has deposited the sum of Rs. 13,500 in the sub-treasury at Ghattal in order to endow a charitable dispensary which he proposes to establish in his native village of Irpala, in the district of Midnapore. The donor proposes to call the institution after the name of his father, the late Babu Ram Prosad Rudra Sirkar, and stipulates that if at any future time Government finds it necessary to close the institution, he and his heirs shall have the right to withdraw the invested funds from the custody of Government.

2. In reply, I am directed to say that the Lieutenant-Governor accepts the donation on the terms proposed; and I am to request that you will convey to the donor an expression of the Lieutenant-Governor's appreciation of his liberality and public spirit. The Inspector-General of Civil Hospitals will be requested to appoint a Civil Hospital Assistant of the third class to the charge of the dispensary as soon as it is established.

LIBERALITY OF SYED MAHDI HOSSAIN KHAN OF PATNA.

No. 2775, dated Calcutta, the 13th December 1891.

From—H. H. RISLEY, Esq., Offg. Secy. to the Govt. of Bengal, Municipal Dept.,
To—The Commissioner of the Patna Division.

I AM directed to acknowledge the receipt of your letter No. 39Ct., dated the 29th November 1891, in which you report that Syed Mohomed Mahdi Hossain Khan of Patna has made a most liberal donation of Rs. 10,000 to form the nucleus of a fund for the establishment of a Female Medical Hospital in that city, and to request that you will be so good as to convey to Syed Mohomed Mahdi Hossain Khan the thanks of the Lieutenant-Governor for his munificent gift. This letter will be published in the *Calcutta Gazette*.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 12th December, 1891.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
Burdwan Divn.			
1	Burdwan Dec. 12, '91 Culna ... Cutwa ... Raneegunge ...	Nil Nil Nil Nil	Weather—cool. Harvesting of *aman* going on. Prices of common rice:— Srs. Sudder ... ... 15 Cutwa ... ... 15 Culna ... ... 14 Raneegunge ... ... 15½ } per rupee.
2	Bankoora ,, 12, '91	Nil	Weather—seasonable. Harvesting of winter rice in progress. *Rabi* and sugarcane crops thriving. No want of fodder and water. Condition of cattle good. Common rice (new) selling at 17½ seers per rupee at Bishenpore and 17 seers at Bankoora market.
3	Birbhum ,, 12, '91 Rampore Haut ...	Nil Nil	Weather—fair and cool. Harvesting of winter rice progressing. *Rabi* crops still being sown. Supply of fodder and water sufficient. Common rice selling at from 14½ to 18½ seers per rupee.
4	Midnapore ,, 12, '91	Nil	Weather—cold and dry. *Aman* harvest progressing. Sugarcane doing well. Prices of common rice:— Srs. Sudder ... ... 18 Contai ... ... 20 Tumluk ... ... 15 } per rupee.
5	Hooghly .. 12 '91 Serampore ... Jehanabad ...	Nil Nil Nil	Outturn of *aman* for the district generally ten annas. No rise in prices. Standing crops doing well. No difficulty of obtaining fodder and water-supply. Prices of common rice:— Srs. Sudder ... ... 13 Serampore ... ... 13 Jehanabad ... ... 16 } per rupee.
6	Howrah ,, 12, '91 Uluberia ...	Nil Nil	Weather—fine. *Aman* being harvested; an average crop except on higher lands. Sugarcane good. Price of common rice 14 seers per rupee. Health of cattle satisfactory. Fodder and water-supply adequate.
Presidency Divn.			
7	24-Perghs. ,, 12, '91	Nil	Weather—seasonable. Harvesting of *aman* paddy in progress. Prospects unchanged. Cultivation of winter crops progressing fairly. Prices stationary. Condition of cattle good. Fodder and water sufficient.
8	Nuddea ,, 12, '91 Kushtea ... Meherpore ... Chuadanga ... Ranaghat ...	Nil Nil Nil Nil Nil	Weather—seasonable. Harvesting of *aman* nearly over; outturn poor. *Rabi* crops not doing well for want of rain. Common rice selling at from 11½ to 16 seers per rupee. Condition of cattle good, and supply of fodder and water sufficient.
9	Khoolna ,, 12 '91 Bagirhat .. Satkhira ...	Nil Nil Nil	Weather—cloudy in the morning and fairly cold. Harvesting of *aman* called *chhotas* has commenced. Prospects of *aman* in general fair. Price of common rice from 14 to 16 seers per rupee. Fodder and water sufficient.
10	Jessore ,, 12, '91 Jhenidah ... Magurah ... Narail ... Bongong ...	Nil Nil Nil Nil Nil	Weather—seasonable. Harvesting of *aman* paddy continues. Rain wanted for winter crops. Supply of water and fodder for cattle sufficient. No cattle-disease reported.
11	Murshedabad ,, 12, '91	Nil	Weather—cool and fine. Harvesting of winter rice going on. *Kalai* doing well. Prospects of *rabi* favourable. No want of fodder for cattle.
Chittagong Divn.			
12	Chittagong ,, 12, '91	Nil	Weather—unseasonably warm. *Aman* ripening. Harvesting commenced in places. Probable average outturn estimated at 12 annas. Cultivation of vegetable crops going on. Prices stationary. Condition of cattle generally good. Fodder sufficient.
13	Noakhally ,, 12, '91	Nil	Weather—days hot and nights cold. *Aman* is being harvested. *Rabi* crops coming up. Cattle-disease reported from Feni. Supply of fodder and water good.
14	Tipperah ,, 12, '91	Nil	Weather—seasonable. Prospects of crops fair. Fodder sufficient. No cattle-disease reported from any part of the district.
15	Chittagong Hill Tracts ,, 10, '91	Nil	Weather—unseasonable. Harvesting and gathering of paddy continue. Transplanting of cold-weather crops over. Price of common rice 11 seers 6 chittacks per rupee.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concld.*				
Dacca Divn.				
16	Dacca	Dec. 12, '91	Nil	Weather—seasonable. Harvesting of *aman* going on. Prospects appear favourable. Fodder available. No cattle-disease. Common rice selling at from 15 to 18 seers per rupee.
17	Furreedpore Goalundo Madaripore	„ 12, '91	Nil Nil Nil	Weather—seasonable. Harvesting of *aman* in progress. Sowing of winter crops nearly finished. Condition of cattle good and fodder available. Rice selling at 16, 16½, and 15 seers per rupee at Sudder, Madaripore, and Goalundo respectively.
18	Backergunge	„ 12, '91	Nil	Weather—seasonable. Prospects of crops good in Perozepur and Patuakhali subdivisions, but poor in others. Common rice sells at from 10½ to 17 seers per rupee. Fodder and water sufficient. Cattle-pox reported from Bhandaria and Matbaria.
19	Mymensingh	„ 12, '91	Nil	Weather—moderately and occasionally cold. Harvesting of winter rice continues. General prospects of crops fair. State of cattle good. Fodder and water-supply sufficient. Common rice sells at 16 seers per rupee.
Rajshahye Divn.				
20	Dinagepore Thakurgaon	„ 12, '91 ...	Nil Nil	Weather—cool. Winter rice being harvested. Mustard and sugarcane doing well. Price of rice 11 seers per rupee at Sudder and stationary at Thakurgaon. Condition of cattle good. Supply of fodder and water sufficient.
21	Rajshahye Nattore Nowgong	„ 12, '91	Nil Nil Nil	Weather—seasonable. Prospects of *aman* remain unchanged. Harvesting going on. Condition of *rabi* good. Prospects of *ganja* favourable. Price of common rice varies from 12 to 18 seers per rupee. No cattle-disease. Fodder and water-supply sufficient.
22	Rungpore Nilphamari Gaibanda Kurigram	„ 12, '91	Nil Nil Nil Nil	Weather—seasonable. Harvesting of *aman* still going on. Land is being ploughed for *aus* and jute. Potato, mustard, and sugarcane promising. Rice is being sold at from 9 to 14 seers per rupee.
23	Bogra Sherpur Nowkhilla	„ 12, '91	Nil Nil Nil	Weather—seasonable. Harvesting of *aman* going on; outturn will not, as reported last week, exceed 8 annas. *Rabi* crops doing well. Price of rice almost stationary. Condition of cattle good. Fodder and water sufficient.
24	Pubna	„ 12, '91	Nil	Weather—cool. State and prospects of paddy unchanged. Reaping of *aman* paddy almost completed. *Chaitali* crops doing well. Price of common rice the same as before. Fodder and water sufficient.
25	Darjeeling	„ 12, '91	Nil	Weather—fair. Paddy is being reaped. Prospects of mustard and *kalai* good. Wheat and barley promising well. No disease among cattle. Fodder and water-supply sufficient. Prices of common rice:— Srs. Silliguri ... ... 11 ⎫ Phansidowa ... ... 9 Kurseong ... ... 10 Kalimpong ... ... 9 Darjeeling ... ... 9 ⎬ per rupee. Pulbazar ... ... 10 Joro Bungalow ... ... 10 Nagri ... ... 8 Sonadah ... ... 10 ⎭
26	Julpigoree	„ 12, '91	Nil	Weather—seasonable. Harvesting of *haimanti* paddy in full swing; outturn very poor. Prospects of tobacco and other winter crops favourable. Common rice sells at 10 seers per rupee at head-quarters and at 8 seers in Alipur subdivision. No cattle-disease. Fodder and water-supply sufficient.
BEHAR.				
Bhagulpore Divn.				
27	Monghyr Begusarai Jamui	„ 12, '91	Nil Nil Nil	Weather—nights getting cold. No change in prospect of winter rice. Harvesting has now begun in some places. Prospects of *rabi* fair in the Sudder subdivision and good in Begusarai, but owing to want of moisture only 8 annas has been sown in Jamui. Rain much wanted. Prices of rice 12 to 16 seers per rupee in Sudder, 11 seers in Begusarai, and 15 seers in Jamui. Supply of fodder and water at present sufficient.
28	Bhagulpore	„ 12, '91	Nil	Weather—seasonable. Harvesting of winter rice going on. Prospects of neither *rabi* nor rice show improvement. *Kurthi* reported fair. Fodder sufficient. Price of common rice 13 seers 14 chittacks per rupee.
29	Purneah Kishengunge Arrareah	„ 12, '91	Nil Nil Nil	Weather—cold. Has been very slightly cloudy; now settled looking. Harvesting of *aghani* still in progress. *Kurthi* being harvested. *Rabi* reported to be generally doing well, but rain will soon be urgently required for wheat and other *rabi* crops. Prices of rice:— Srs. Sudder ... ... 11½ ⎫ Arrareah ... ... 14 ⎬ per rupee. Kishengunge ... ... 11 ⎭ No cattle-disease. Fodder and water sufficient.
30	Maldah Chanchal Shibgunge Gajole	„ 12, '91	Nil Nil Nil Nil	Weather—seasonably cool. Harvesting of winter rice in progress; outturn estimated to be not less than 8 annas. *Kalai* pulse coming into maturity and other *rabi* crops thriving. Supply of fodder and water satisfactory. No cattle-disease. Coarse rice sells at 11 to 16 seers a rupee.
31	Sonthal Perghs.	„ 12, '91	Nil	Weather—seasonable. Harvesting of winter rice in full progress. Taking the district as a whole, the average outturn will be about ten annas. *Rabi* crops, as far as sown, need rain to improve them. Price of common rice 14½ seers per rupee at Rajmehal and 16 seers in the Sudder. Fodder and water-supply sufficient.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*			
PATNA DIVISION.			
32	Patna Dec. 12, '91 Barh ... Behar ... Dinapore ... Hilsa ...	Nil Nil Nil Nil Nil	Weather—cool and clear. Paddy still being harvested in places. *Rabi* sowings have been completed and seeds have germinated well. Poppy looks promising. Mustard and *rahar* flowering. Sugarcane being pressed. Rain wanted for standing crops. Prices of food-grains almost stationary.
33	Gya ,, 12, '91 Jehanabad ... Nawada ... Aurungabad ...	Nil Nil Nil Nil	Weather—cold with west winds. Harvesting of paddy going on. *Rabi* crops suffering for want of rain. Poppy crop in good condition. Prices almost the same. Supply of fodder and water for cattle yet sufficient.
34	Shahabad ,, 12, '91 Bhabuah ... Sasseram ... Buxar ...	Nil Nil Nil Nil	Weather—decidedly colder. Light west winds. *Rabi* crops doing well, but, as before stated, rain wanted. Paddy harvest practically over. Poppy growing up well. Sugarcane being pressed. Prices steady, but in Sasseram wheat and gram reported to be cheaper. Insufficiency of water for cattle reported from Bhabuah.
35	Durbhunga ,, 12, '91	Nil	Weather—seasonable. Rice in being harvested; 6-anna outturn of an average crop expected. *Rabi* wants rain badly and will not be more than an 8-anna crop. *Rahar* very good. Prices still continue almost stationary. Water and fodder for cattle plentiful.
36	Mozufferpore ,, 12, '91 Hajipore ... Sitamarhi ...	Nil Nil Nil	Weather—cool and bright. Harvesting of paddy in progress. *Rabi* crops on high and unirrigated lands withering for want of moisture; those on low and irrigated lands doing fairly well. Poppy has somewhat improved since the weather has become colder. Rain urgently wanted everywhere, especially for unirrigated poppy. Cattle in good condition. Fodder and water sufficient. Prices as below:— Common rice (new). / Marua. / Makai. (Srs.) Sudder ... 13 / ... / 21 per rupee. Sitamarhi ... 14 / 23 / 23 per rupee. Hajipore ... 14 / ... / 24 per rupee.
37	Sarun ,, 12, '91	Nil	Weather—colder at latter end of week. Paddy cutting going on, nearly finished in some parts. *Rabi* doing well. In Chupra poppy late owing to resowings. In Sewan poppy prospects good. Fodder and water sufficient. Prices of common rice:— (Srs. Ch.) Chupra ... ... 13 0 per rupee. Sewan ... ... 15 0 per rupee. Gopalgunge ... ... 14 6 per rupee.
38	Chumparun ,, 12, '91	Nil	Weather—cold. Harvesting of paddy in progress. Sowings of *rabi* and poppy completed. Young seedlings germinating fairly well. Rain would do much good. Prospects of both the crops continue fair. Supply of fodder and water sufficient.
ORISSA.			
ORISSA DIVN.			
39	Cuttack ,, 12, '91	Nil	Weather—seasonable. *Sarad* rice being reaped. *Rabi* crops in flower. Fodder-supply sufficient. Common rice sells at from 10 to 13 seers per rupee in the town and 19 to 21 seers in the muffussil. Condition of cattle good.
40	Pooree ,, 10, '91 Khurda ...	Nil Nil	Weather—cold. *Laghu* rice being harvested. *Sarad* rice ripening. *Dalua* rice being sown. Miscellaneous crops doing well. Common rice sells at from 12½ to 19 seers per rupee.
41	Balasore ,, 12, '91	Nil	Weather—seasonable. Harvesting of winter rice continues. Prospects of *rabi* crops good. Rice selling at Balasore 19 seers and at Bhadrak 20 seers per rupee.
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIVN.			
42	Hazaribagh Dec. 12, '91 Giridih ...	Nil Nil	Weather—bright and clear. Harvesting of paddy practically completed; outturn about 12 annas, taking the whole district together. Rain urgently wanted for *rabi* crops. Poppy doing fairly. Common rice selling at from 14 to 19 seers per rupee. Water and fodder-supply sufficient.
43	Lohardugga ,, 12, '91 Palamow (up to 7th Dec.)	Nil Nil	Weather—cold. Harvesting of winter rice continues. Rain badly wanted for *rabi* crops. Common rice selling at 15 seers per rupee. Ample fodder for cattle.
44	Singbhoom ,, 12, '91	Nil	Weather—seasonable. Paddy being harvested with full outturn. Cold-weather crops doing well. Price of rice 20 to 32 seers per rupee.
45	Manbhoom ,, 12, '91 Govindpore ..	Nil Nil	Weather—seasonable. Prospects of crops continue good. Rice selling at from 18 to 21 seers per rupee. Fodder and water-supply satisfactory.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 15th December, 1891.

C. E. BUCKLAND,
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of August, 1891.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS. Rice and Paddy. Rice.	Paddy.*	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	FIBROUS PRODUCTS. Jute, raw.	Gunny-bags.†	OILSEEDS. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR. Refined.	Unrefined.	TOBACCO. Unmanufactured.	Manufactured.
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burdwan	78,610	27,907	96,052	3,853	6,182	401	1,06,588	1,030	17,890	7,135	......	......	......	132	60	......	56	4
Beerbhoom	74,769	594	75,140	......	604	......	75,744	......	7,665	2,125	...	......	29	57	47	...	...	......
Midnapore	1,10,172	12,033	1,26,892	...	35	...	1,26,727	55	50	3,964	1,601	......	10	294	......	434	26	......
Hooghly	51,222	33,262	72,011	13,622	13,890	699	1,00,222	2,559	462,030	26,820	2,041	......	22	......	690	21,115	23,698	623
24-Pergunnahs ...	1,02,420	10,316	1,08,877	...	175	......	1,09,052	6,655	254,099	959	...	......	433	......	1,869	9,416	3,008	207
Nuddea	10,951	208	11,081	29,759	86,140	5,784	1,32,764	41,779	10,511	86,788	3,048	......	81	127	260	526	2,720	......
Khulna	6,148	4,175	8,757	......	800	......	9,057	12,053	140	......	126	......	......	......	100	2,975	...	......
Jessore	20,635	2,050	21,916	724	3,604	......	26,244	3,142	1,470	1,961	957	......	11	...	1,528	6,603	1,228	......
Moorshedabad ...	2,051	......	2,051	12,515	12,381	1,719	28,664	11,345	800	11,148	390	......	119	1,112	...	......	79	293
Dinagepore	2,04,585	......	2,64,585	...	822	211	2,65,618	4,428	52,920	211	...	......	...	...	......	......	...	......
Rajshahye	7,697	......	7,697	2,332	9,028	319	19,376	52,840	175	4,857	416	......	...	348	......	......	...	......
Rungpore	139	......	139	164	...	......	303	52,041	9,065	......	1,983	......	79	......	......	......	44,770	......
Bogra	29,004	......	29,004	...	......	......	29,004	1,316	105	245	...	......	......	......	......	......	...	......
Pubna	2,246	......	2,246	4,601	14,066	151	21,154	4,24,841	575,998	10,107	21,950	2	......	......	......	......	949	......
Darjeeling	......	......	......	......	......	......	......	..	40,600	......	......	27,568	......	......	......	......	...	......
Julpigoree	...	......	...	...	......	......	...	3,370	153,335	...	...	19,557	..	......	......	......	...	......
Dacca	12,339	367	12,568	868	664	98	14,138	2,29,447	4,480	843	8,783	......	1,434	......	......	......	...	......
Furreedpore ...	46,351	325	46,554	273	6,013	......	52,840	3,97,751	1,680	13,179	31,631	......	88	......	......	......	372	......
Backergunge ...	2,52,587	600	2,52,962	......	1,100	......	2,54,062	6,625	...	2,[illegible]	2,700	......	......	......	......	......	...	......
Mymensingh ...	......	......	...	564	400	......	954	6,085	15,090	388	2,879	......	......	......	......	......	...	......
Tipperah	8,575	......	8,375	......	......	...	8,575	243	......	...	1,550	......	...	......	......	......	...	......
Chittagong ...	......	...	...	......	......	......	...	......	......	......	......	1,403	1,403	...	......	......	...	......
Noakholly ...	47,176	100	47,239	......	......	......	47,239	...	......	......	......	......	400	......	......	......	...	......
Total of Bengal ...	11,36,686	91,936	11,94,146	60,353	1,55,344	9,472	14,28,315	12,58,483	1,614,100	1,23,102	81,945	48,620	4,118	2,070	4,554	41,060	76,556	1,187
BEHAR.																		
Patna	52	......	52	38,405	34,639	20,032	93,004	......	735	3,37,953	16,718	......	11	2	......	......	1,789	866
Gya	315	......	315	17,081	2,214	...	19,599	......	140	18,469	303	......	......	......	......	4	...	340
Shahabad	...	......	...	31,872	18,862	1,619	52,353	...	105	48,369	1,330	......	......	......	......	911	...	2
Mozufferpore ...	17	......	17	13,332	318	2,091	16,358	......	......	25,770	4,412	......	......	......	......	......	254	......
Durbhunga ...	......	......	......	9,508	3,750	615	13,882	......	...	77,803	16,045	...	......	......	......	......	541	44
Sarun	......	......	......	18,524	4,715	......	23,239	......	...	42,096	5,286	......	17	......	......	8	32	1
Chumparun ...	......	......	......	4,059	...	2,067	6,126	......	...	15,537	888	......	...	......	......	295	...	......
Monghyr	513	...	513	57,853	53,906	......	1,11,332	...	430	32,324	7,282	......	310	......	...	......	3	4
Bhagulpore ...	10	......	10	56,570	18,620	23,304	98,504	210	491	23,458	18,088	......	31	......	937	......	...	......
Purneah	572	......	572	5,509	4,932	186	11,190	922	1,050	9,396	11,340	......	......	......	......	......	4,503	......
Maldah	1,161	......	1,164	10,074	5,248	150	17,551	1,934	......	11,279	667	......	......	...	......	......	...	......
Sonthal Pergunnahs.	......	......	...	41,995	11,898	1,852	55,745	1,352	945	36,708	12,115	......	......	258	......	......	...	......
Total of Behar ...	2,640	...	2,640	3,04,681	1,59,129	52,516	5,18,966	4,418	3,935	6,79,712	95,152	......	369	260	937	1,218	7,122	1,257
ORISSA.																		
Cuttack	...	...	......	......	...	......	......	...	350	......	......	......	......	......	......	......	...	......
Balasore	18,764	16,131	28,846	......	7,081	...	35,927	329	......	90	192	......	...	......	......	...	11	......
Total of Orissa ...	18,764	16,131	28,846	.	7,081	......	35,927	329	350	90	192	......	...	......	......	...	11	......
CHOTA NAGPORE.																		
Hazaribagh ...	......	......	......	......	......	......	......	......	630	1,129	......	120	......	......	......	......	...	......
Singbhoom ...	......	......	......	......	297	......	297	......	210	320	......	...	......	......	......	......	...	......
Manbhoom ...	14	......	14		32	......	46	......	455	......	17	406	66	......	......	......	...	3
Total of Chota Nagpore.	14	......	14	......	329	......	343	......	1,295	1,449	17	526	66	...	......	......	...	3
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	11,53,104	1,08,067	12,25,646	3,74,034	3,21,883	61,988	19,83,551	12,63,230	1,619,680	8,04,353	1,77,306	49,146	4,553	2,330	5,491	42,287	83,689	2,447
OTHER PROVINCES.																		
Assam	53	......	53	......	...	......	53	1,321	1,575	15,966	1,57,403	1,65,170	45	1	......	......	...	......
North-Western Provinces and Oudh.	5	......	5	1,82,146	42,332	4	2,24,487	20	700	2,84,689	2,737	424	5,979	......	705	904	4,228	11
Punjab	26	......	26	18,056	1,520	......	19,602	......	......	207	......	535	1,984	......	...	......	...	......
Central Provinces	......	......	......	2,166	21,769	3,040	26,975	......	......	5,387	......	2	......	14	...	5	...	......
Rajputana and Central India.	......	......	......	3,783	598	2	4,383	......	......	6,502	307	......	326	......	......	......	2	......
Berar	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	...	1
Bombay	......	......	......	......	......	......	......	......	2,000	......	......	......	15,658	......	2,756	......	6	51
Madras	......	......	......	......	5,407	......	5,407	......	......	......	......	......	3,294	......	8,233	......	246	151
Burmah	......	......	......	......	3,151	......	3,151	......	1,774	......	......	......	4,350	......	...	......	1,951	48
Other places ...	83	......	83	......	29	......	112	......	10,700	......	...	......	......	......	32,912	33,618	14	424
Grand Total of Imports in August, 1891	11,58,271	1,08,067	12,25,813	5,80,185	3,96,089	65,034	22,67,721	12,64,571	1,636,429	11,17,194	3,37,753	2,15,277	36,395	2,345	50,157	75,814	90,136	3,133
Grand Total of Imports in August, 1890	10,16,851	1,06,497	10,83,412	3,03,407	3,33,170	53,200	17,73,198	14,77,418	1,329,923	6,77,106	2,34,849	1,57,698	22,375	2,108	1,42,845	1,15,096	53,695	2,059

* One of maund paddy is equivalent to 25 seers of rice. † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of August, 1891, *was as follows*:—

	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar, Refined.	Sugar, Unrefined.	Tobacco, Unmanufactured.	Tobacco, Manufactured.
EXPORTED FROM CALCUTTA—																		
To Indian ports, viz.—																		
Bombay ..	48,571	30	48,590	611	4,188	......	153,389	......	3,103,300	......	165,164	5,325	......	......	927	......	...	19
Madras ...	40,460	......	40,409	129	18,954	440	59,092	......	420,300	......	......	644	......	430	60	......	...	......
Other ports in Madras	52,185	400	52,385	53	1,976	......	54,414	......	510,500	......	249	6	......	5	5	......	...	8
Burmah ...	5,695	......	5,605	7,734	6,060	749	20,178	......	896,600	......	......	95	23	14	358	685	29,811	452
Other Indian ports	......	......	......	......	838	17,321	18,149	......	133,950	......	......	......	......	4	1,849	351	2,328	6
Pondicherry ..	......	......	......	50	223	......	273	......	7,000	......	......	......	......	......	......	......	...	......
Sind	.....	......	......	......	......	......	......	......	819,500	......	......	117	......	......	......	......	...	......
Total of Interportal trade ..	1,40,870	400	1,47,139	8,577	32,160	18,510	2,06,395	......	5,891,150	......	65,413	6,187	23	453	3,199	1,036	32,029	485
To Foreign ports																		
United Kingdom	47,609	......	47,609	1,97,892	55,298	......	3,00,799	1,32,058	2,149,900	7,18,370	57,224	1,61,064	2,420	62	125	......	...	10
Other Foreign ports	[illegible]59,907	1,432	6,60,802	1,42,737	1,10,417	......	9,13,956	1,24,141	8,465,100	1,74,100	1,12,632	11,876	5,430	476	56	......	490	103

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of August, 1891.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains. Rice.	Food-grains. Paddy.	Food-grains. Wheat.	Food-grains. Gram and pulses.	Food-grains. Other food-grains.	Fibrous Products. Jute, raw.	Fibrous Products. Gunny bags.	Oilseeds. Linseed.	Oilseeds. Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar. Refined.	Sugar. Unrefined.	Tobacco. Unmanufactured.	Tobacco. Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
y country boats ...	8,47,3 7	48,786	1,45,785	1,65,507	26,776	2,08,131	725,680	1,77,608	91,070	...	945	304	2,574	30,894	20,091	1,5524
, river steamers ..	21,761	404	15,339	4,812	.	2,39,507	... ..	1,22,943	1,45,326	1,41,515	303	1,151	1,136	144	548	7
, rail { E. I. Railway	1,34,710	43,529	4,18,600	1,54,346	37,939	4,992	22,750	7,92,064	64,018	1,487	8,426	488	164	2,127	6,204	577
, rail { E. B. S. Railway.	87,490	283	461	26,356	319	8,06,076	846,125	24,469	37,147	70,782	1,418	402	1,403	1,293	16,920	.....
, road	50,416	2,512	......		......	5,536	27,400	20	......	.....	393	... ..	899	2,734	4,551	361
, sea	16,497	12,553		15,068	. .	329	14,474	90	102	1,493	24,911	. ...	43,961	33,618	2,222	664
rand Total of Imports in August { 1891 ...	11,58,271	1,08,067	5,80,185	3,96,689	65,034	12,64,571	1,636,429	11,17,194	3,37,753	2,15,277	36,395	2,345	50,157	70,814	90,136	3,133
{ 1890 ...	10,16,851	1,06,497	3,03,407	3,31,179	53,200	14,77,418	1,329,926	6,77,106	2,34,849	1,57,698	22,375	2,108	1,42,845	1,15,096	53,605	2,059

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of August, 1891.

EXPORTS FROM CALCUTTA

Whither exported.	Cotton piece-goods. European.	Cotton piece-goods. Indian.	Cotton twist. European.	Cotton twist. Indian.	Salt.	Gunny bags.
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Bengal.						
urdwan ...	1,27,100	..... .	408	886	16,208	54,210
eerbhoom ...	55,650	13,776	161	836	11,434	57,785
idnapore ...	1,35,540		1,377	..	27,271	17,437
ooghly ...	1,12,047	1,900	455	230	896	63,061
-Pergunnahs .	1,08,066	5,616	415	......	14,094	3,020
uddea ...	1,71,000	......	1,065	... ..	23,217	48,015
hulna ...	53,110	......	116	. ....	3,727	1,470
essore ..	85,008	...	997	......	22,951	1,195
oorshedabad ...	39,020	... .	167	.. ..	10,250	19,965
inagepore ...	60,560	... ..	163	. ....	8,528	11,025
ajshahye ...	84,700	... ..	319	... ..	15,143	10,215
ungpore ..	1 59,040	.. .	621	... ..	12,1 5	13,830
ogra ..	1,04,510	.. ...	104	......	7,085	16,940
ubna ...	2 59,310	... ..	303	......	31,169	11,800
arjeeling ..	2,52,140	... ..	998	... .	5,473	70
alpigoree ...	1,41,260	......	415	. . ..	4,471	
acca ...	8,24,190	. . ..	3,276	... .	37,048	13,285
urreedpore ...	79,750	......	799	.	31,696	56,715
ackergunge ...	56,040	..	2,019	. .	26,875	3,850
ymensingh ...	91,630	... .	202	.....	16,059	
pperah ...	..	. .	.....	.. .	7,075	.. .
hittagong ...	66,100	. ...	33	30	...	2,100
oakholly ...	6,000	......	......	......	16,800	......
Total of Bengal ...	30,77,891	21,332	15,142	1,972	3,48,183	387,818
Behar.						
atna ...	1,70,210	1,107	442	809	48,320	244,075
ya ..	90,580	615	43	1,108	11,127	15,715
ahabad ..	2,06,850	123	7	2,142	13,833	20,860
ozufferpore ...	1,42,210	123	4	91	13,830	40,880
arbhunga ...	1,40,070	123	9	1,416	23,754	79,835
arun ...	1,41,190	300	4	197	17,954	15,470
umparun ..	3,39,850	. .	37	296	9,917	20,3 0
onghyr ..	70,490	492	58	891	27,241	165,315
agulpore ...	1,41,400	615	129	9 3	24,864	92,975
urneah ...	1,19,610	.. ..	132	806	16,450	10,240
aldah ...	3 0	.....	8	.. ...	4,640	825
nthal Pergunnahs	77,140	123	73	597	18,648	63,230
Total of Behar ...	16,39,960	3,690	946	9,306	2,30,062	709,750
Orissa.						
uttack ...	3,600	......	5	34	...	2,800
alasore ...	26,812	......	805	3,278	18,691	129,350
Total of Orissa ...	30,412	......	810	3,312	18,691	132,150

Whither exported.	Cotton piece-goods. European.	Cotton piece-goods. Indian.	Cotton twist. European.	Cotton twist. Indian.	Salt.	Gunny bags.
Chota Nagpore.	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Hazaribagh	31,080	8,856	28	60	4,811	2,870
Singbhoom	8,750	......	11	293	1,806	840
Manbhoom	1,08,290	492	11	863	8,413	1,785
Total of Chota Nagpore ..	1,48,120	9,348	50	1,216	15,030	5,495
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	48,96,383	34,370	16,948	15,806	6,11,986	1,235,213
Other Provinces.						
Assam	7,13,020	......	2,212	645	61,691	56,140
North-Western Provinces and Oudh	23,79,230	7,380	4,684	1,017	7,357	378,630
Punjab	4,21,470	788	323	37	.. .	691,860
Central Provinces .	52,640	1,107	295	847	......	45,815
Rajputana and Central India	46,410	984	111	......	.. ..	2,065
Berar	140	......	......	......	... .	2,210
Nepal . .	3,150	......	......	... .	......	......
Nizam's Territory	210	...	. ..	. ....	.....	.
Bombay	980	123	... .	......	200	3,103 335
Madras	56,851	435	106	2,068	......	930,800
Pondicherry	.	......	.. .	. .	......	7,000
Burmah	1,62,010	145	654	1,338	......	896,000
Sind		.....		.	... .	819,500
Other places	38,185	852	19	3,026	......	10,615,000
Grand Total of Exports in August { 1891 .	87,70,709	46,134	25,352	24,784	6,81,243	18,792,198
{ 1890 ...	69,11,705	58,814	17,440	23,648	7,52,862	10,080,184

The Sea-borne Trade of Calcutta in these Staples during the month of August, 1891, *was as follows:—*

	Rs.*	Rs.	Mds.	Mds.	Mds	No.
Imported into Calcutta—						
From Foreign Ports—						
United Kingdom	1,13,08,301	......	13,756	......	5,26,438	10,700
Other Foreign ports ...	44,891	......	70	......	2,43,604	......
Total of Foreign Trade ...	1,13,53,192	......	13,826	......	7,70,042	10,700
From Indian Ports—						
Bombay	34,828	1,47,436	44	17,060	46,041	2,000
Madras	1,204	17,424	......	787	......	......
Other ports in Madras ..	...	500	......	222	......	... .
Burmah	4,032	460	......	......	......	1,774
Other Indian ports ...	......	.....	. . .	10	..	. .
Total of Interportal Trade ..	40,659	1,65,820	44	18,079	46,041	3,774
Grand Total of Imports in August { 1891	1,13,93,851	1,65,820	13,870	18,079	8,16,083	14,474
{ 1890...	1,46,04,316	1,91,107	14,232	10,702	8,34,.91	26,856

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of August, 1891.

Specification of Routes.	Cotton piece-goods. European.	Cotton piece-goods. Indian.	Cotton twist. European.	Cotton twist. Indian.	Salt.	Gunny bags.
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
country boats	1,21,540	2,000	1,114	... .	2,72,856	101,138
river steamers	6,43,400	.... .	3,733	645	55,617	117,940
rail { East Indian Railway	48,67,730	37,249	6,711	14,170	2,03,823	1,929 110
rail { Eastern Bengal State Railway	26,48,520	.. .	11,657	......	1,01,473	131 170
road	1,36,031	5,556	609	196	4,828	3,050
sea	3,52,968	1,309	1,628	9,774	12,441	16,506,150
Grand Total of Exports in August ... { 1891 ...	87,70,709	46,134	25,352	24,784	6,81,243	18,792,198
{ 1890 ...	69,11,705	58,814	17,440	28,648	7,52,862	10,081,184

STATISTICAL DEPARTMENT,
The 12th December, 1891.

O. E. BUCKLAND,
Secretary to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS.													
			Air pressure.			Wind.		Temperature.								
			Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M., temperature.
Orissa.	Pooree	Pooree ...	30·090	30·039	—	N & NNW	141	83·7	7 & 8 Dec.	67·6	10 & 11 Dec.	81·7	63·0	72·4	—	67·7
		Gopalpore ...	30·090	30·051	+·070	NNW	264	83·2	8th ,,	59·0	9 & 10 ,,	81·3	60·4	70·9	0	65·9
		False Point ...	30·024	30·047	+·046	NNW	195	81·4	6 to 8 ,,	57·0	10th ,,	78·7	59·9	60·3	+1·6	64·5
	Cuttack	Cuttack ...	30·044	30·070	+·071	W & Calm	35	83·3	7th ,,	56·8	11th ,,	81·7	59·2	70·4	+0·1	64·6
	Balasore	Balasore ...	30·064	30·069	+·059	N	89	82·4	6 & 7 ,,	58·5	11 & 12 ,,	80·6	56·0	68 3	+2·0	62·4
South-West Bengal.	South-West Midnapore South 24-Pergunnahs	Saugor Island	30 079	30·049	+·049	N	230	81·2	7th ,,	58·9	11 & 12 ,,	78·2	61·0	69·6	+0·9	66 0
	Midnapore	Midnapore ...	29·964	30·067	+·051	N	293	83·3	6 & 7 ,,	53·2	11th ,,	81·4	57·5	69·5	+2·2	63·7
	24-Pergunnahs ... Howrah ... Hooghly ...	Calcutta ...	30 091	30·058	+·052	N	82	80·7	7th ,,	56·2	12th ,,	79·1	59 1	69·1	+1·4	63·6
	Burdwan	Burdwan ...	30·029	30·080	+·063	N	41	82·8	6th ,,	54·3	8th ,,	81·1	57·3	69·2	+1·2	60·7
	Bankoora	Bankoora ...	29·785	30·052	+·043	WNW	54	81·6	6th ,,	51·8	11th ,,	79 9	56·2	68·1	+1·1	61·6
	Beerbhoom ... West Burdwan ..	Raneegunge...	29·785	30·101	+·056	NWly	72	82·3	7th ,,	50·8	11th ,,	80·5	55·0	67·8	+1·2	50·0
	Moorshedabad	Berhampore ...	30·047	30·066	+·051	WNW	40	80·1	7th ,,	56 2	10 to 12 ,,	79·0	58·8	69·9	+1·8	60·7
	Nuddea	Krishnaghur...	30·081	30·060	+·059	NWly	75	82·8	6th ,,	53·0	11th ,,	80·6	50 3	69·5	+1·7	62·6
	Jessore ... Khoolna ...	Jessore ...	30·050	30·041	+·044	NNW	51	82·2	7 & 10 ,,	56·0	11th ,,	80·7	58·2	69·5	+1·0	63·6
East Bengal.	Chittagong	Chittagong ...	29·983	30 020	+·040	Calm	39	85·7	8th ,,	59·6	11th ,,	84·0	61·0	72·8	+3·1	67·7
	Chittagong Hill Tracts	Demagiri ...	Observations not received.													
	Backergunge	Barrisal ...	30·071	30·029	+·039	Calm & Nly	46	81·9	7th Dec.	56·6	11th Dec.	79·9	59·1	69·5	+2·1	68·7
	Noakhally...	Noakholly ...	30·028	30·019	+·046	NEly	66	83·5	7th ,,	54·5	11th ,,	82·0	57·7	69·9	+3·1	67·2
	Furreedpore	Furreedpore ...	30·059	30 048	+·002	N	45	80·0	6 & 7 ,,	57·0	11 & 12 ,,	77·6	58·9	68·3	+2 1	63·4
	Dacca	Dacca ...	30·060	30·030	+·046	NWly	60	83·1	7th ,,	50·8	12th ,,	81·2	59·4	70·3	+0·8	62·6
	Commillah	Commillah ...	30·053	30·037	+·055	N	12	82·2	7th ,,	55·0	11 & 12 ,,	80·9	57·6	69·3	+2·2	65·3
	Mymensingh	Mymensingh	30·031	30·042	+·056	Calm	26	80·6	6th ,,	54·1	12th ,,	79·2	56·8	68·0	+2·1	63·0
North Bengal.	Bogra	Bogra ...	30·014	30·031	+·063	N	38	80·3	7 & 10 ,,	55·2	12th ,,	79·7	56·9	68·3	+1·8	62·6
	Pubna	Serajgunge ...	30·042	30·040	+·048	Variable	9	81·0	6th ,,	55·0	12th ,,	79·7	56·7	68·2	+2·2	60·1
	Rajshahye	Rampore Beauleah.	30·030?	30·053?	+·003?	N	65	80·8	8th ,,	53 9	11th ,,	79·5	56·9	68·1	+3·3	61·9
	Maldah	Maldah* ...	30·045	30·081	—	NW	84	82·5	7 & 8 ,,	52·9	11th ,,	81·4	56·5	69·0	—	63·3
	Dinagepore	Dinagepore ...	29·988?	30·007?	+·048?	NW	33	82·1	7th ,,	51·4	11th ,,	81·0	53·3	67·2	+2·3	61·3
	Rungpore	Rungpore ...	29·992	30·076	+·052	N	29	81·0	7th ,,	52·7	10th ,,	79·9	54·9	67·4	+2·6	60·9
	Julpigoree ... Cooch Behar ...	Julpigoree .	29·823	30·075	+·056	N	42	80·4	6th ,,	52·6	10th ,,	79·4	54·4	66 9	+2·1	62·3
	Darjeeling Hill Tracts...	Darjeeling ...	23·069	—	+·038	Variable	65	51·3	6th ,,	36 8	10th ,,	50·5	37·9	44 2	—0·4	42·1
North Behar.	Purneah ... North Bhagulpore ...	Purneah ...	30·001	30·089	+·068	Calm	17	82·3	6th ,,	45·8	10th ,,	80·3	50·4	65·4	+1·0	56·1
	Mozufferpore	Mozufferpore	29·946	30·039	—	Wly & Calm	50	81·7*	10th ,,	46·3	10th ,,	78·2*	50·7	63·7*	—	57·3
	Durbhunga	Durbhunga ...	29·976	30·106	+·063	NWly	46	80·3	6th ,,	50·9	10 & 11 ,,	78·3	53·9	66·1	+0·5	59·6
	Chumparun	Motihari ...	29·886	30·082	+·058	WNW	83	80·2	6, 7, 8 ,,	44·9	10th ,,	79·2	47·9	63·6	+1·3	56·7
	Sarun	Chupra ...	29·955	30·100	+·098	SW	58	79·8	6th ,,	54·1	12th ,,	78·5	54·2	66·4	+3·7	59·7
South Behar.	Shahabad	Dehree ...	29·791	30·118	+·076	SSW	112	80·3	6 & 7 ,,	49·5	11th ,,	77·6	53·2	65·4	+2·1	59·5
		Buxar ...	29·907	30·115	+·070	NWly	67	79·9	6 & 7 ,,	45·9	12th ,,	77·6	51·2	64·4	+1·0	60·8
		Arrah ...	29·944	30·100	+·084	WSW	40	79·8	7th ,,	?	?	77·9	?	?	?	57·1
	Gya	Gya ...	29·765	30 116	+·067	SWly	124	79·7	7th ,,	46·0	12th ,,	77·7	52·1	64·9	+1·0	59·1
	Patna	Bankipore ..	29·962	30 107	+·054	NWly	61	78·4	6th ,,	48·4	12th ,,	76·3	53·1	64·7	+0·6	61·0
	South Bhagulpore ... Monghyr ...	Bhagulpore ...	29·965	30·080	+·065	Calm	6	81·3	6 & 7 ,,	49·0	10th ,,	79·4	52·4	66·0	+2·6	60·5
	Sonthal Pergunnahs ...	Doomka ...	29·607	30·086	+·062	NW	59	80·6	7th ,,	48·8	11th ,,	78·7	53·0	66·2	+2·2	58·9
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	28 064	30·100	+·056	Wly	121	76·2	8th ,,	45·3	11th ,,	73·5	50·3	61·9	+0·3	59·8
	Lohardugga ... Manbhoom ...	Ranchee ...	27·934	30·090	+·061	Wly & Calm	137	75·5	7 & 8 ,,	45·5	11th ,,	73·5	49·8	61·7	+1·2	59·3
	Singbhoom	Chyebassa ...	29·348	30·092	+·079	WSW	24	80·3	6 & 7 ,,	47·0	12th ,,	79·1	52·4	65·8	+0·9	62·6

* Mean of 5 days.

Explanation.—*Summary.*—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 12th of December 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	DISTRICT OBSERVATIONS. Rainfall. Of week. Mean for district.	Normal mean.	Since 1st of month. Mean for district.	Normal mean.	Variation.	Since 16th October 1891. Mean for district.	Normal mean.	Variation.	Of week. Average number of rainy days.	Normal number of rainy days.	Representative station.	District.	Meteorological Division.
69	3·7	Nil	Nil	0·33	Nil	0·58	—0·58	8·33	6·11	+2·22	0·00	0·35	Pooree ...	Pooree	Orissa.
76	1·9	Nil											Gopalpore ...		
79	4·1	Nil											False Point ...		
71	3·0	Nil	Nil	0·16	Nil	0·37	—0·37	7·69	3·84	+3·85	0·00	0·30	Cuttack ...	Cuttack	
76	0·6	Nil	Nil	0·09	Nil	0·19	—0·18	3·97	2·57	+1·40	0·00	0·16	Balasore ...	Balasore	
81	6·0	Nil	Nil	0·12	Nil	0·28	—0·28	2·54	4·07	—1·53	0·00	0·22	Saugor Island ...	South-West Midnapore South 24-Pergunnahs	South-West Bengal.
65	2·3	Nil	Nil	0·06	Nil	0·16	—0·16	0·28	1·73	—1·45	0·00	0·19	Midnapore ...	Midnapore	
73	2·7	Nil	Nil	0·07	Nil	0·21	—0·21	0·46	1·67	—1·21	0·00	0·17	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
61	3·9	Nil	Nil	0·03	0·02	0·11	—0·09	0·54	1·55	—1·01	0·00	0·02	Burdwan ...	Burdwan	
77	2·0	Nil	Nil	0·02	Nil	0·14	—0·14	0·56	1·53	—0·97	0·00	0·05	Bankoora ...	Bankoora	
71	1·6	Nil	Nil	0·02	Nil	0·10	—0·10	1·35	1·02	+0·33	0·00	0·14	Raneegunge ...	Beerbhoom ... ... West Burdwan ...	
85	2·6	Nil	Nil	0·02	Nil	0·12	—0·12	1·34	0·92	+0·42	0·00	0·07	Berhampore ...	Moorshedabad ...	
78	3·4	Nil	Nil	0·01	0·01	0·09	—0·08	0·74	1·55	—0·81	0·00	0·03	Krishnagur ...	Nuddea	
84	3·6	Nil	Nil	0·04	0·01	0·19	—0·18	1·85	2·04	—0·19	0·00	0·07	Jessore ...	Jessore ... ... Khoolna	
86	4·1	Nil	Nil	0·09	Nil	0·43	—0·43	2·81	4·87	-2·06	0·00	0·15	Chittagong ...	Chittagong	East Bengal.
			Nil	0·06	Nil	0·48	—0·48	3·33	4·22	—0·89	0·00	0·10	Domagiri ...	Chittagong Hill Tracts	
83	2·1	Nil	Nil	0·06	Nil	0·34	—0·34	1·34	3·39	—2·05	0·00	0·16	Barrisal ...	Backergunge	
84	0	Nil	Nil	0·06	Nil	0·75	—0·75	2·40	4·70	—2·30	0·00	0·15	Noakhally ...	Noakhally	
90	2·9	Nil	Nil	0·02	Nil	0·11	—0·11	1·94	1·62	+0·32	0·00	0·07	Furreedpore ...	Furreedpore	
85	4·9	Nil	Nil	0·03	Nil	0·20	—0·20	2·47	2·23	+0·24	0·00	0·08	Dacca ...	Dacca	
87	2·4	Nil	Nil	0·04	Nil	0·33	—0·33	5·67	2·32	+3·35	0·00	0·15	Commillah ...	Commillah	
93	2·7	Nil	Nil	0·03	Nil	0·13	—0·13	1·91	1·80	+0·11	0·00	0·07	Mymensingh ...	Mymensingh	
80	0	Nil	Nil	0·04	Nil	0·13	—0·13	2·34	1·22	+1·12	0·00	0·13	Bogra ...	Bogra	North Bengal.
87	2·4	Nil	Nil	0·02	Nil	0·09	—0·09	1·05	1·67	—0·62	0·00	0·08	Serajgunge ...	Pubna	
78	1·0	Nil	Nil	0·01	Nil	0·11	—0·11	1·22	1·03	+0·19	0·00	0·05	Rampore Beauleah	Rajshahye	
79	0	Nil	Nil	0·02	Nil	0·08	—0·08	0·14	1·16	—1·02	0·00	0·10	Maldah ...	Maldah	
81	0·6	Nil	Nil	0·05	Nil	0·14	—0·14	0·19	0·72	—0·53	0·00	0·10	Dinagepore ...	Dinagepore	
90	0·1	Nil	Nil	0·10	Nil	0·12	—0·12	0·17	1·08	—0·91	0·00	0·15	Rungpore ...	Rungpore	
85	0	Nil	Nil	0·10	Nil	0·10	—0·10	Nil	1·27	—1·27	0·00	0·22	Julpigoree ...	Julpigoree ... ... Cooch Behar	
83	2·0	Nil	Nil	0·09	Nil	0·10	—0·10	0·71	2·09	—1·38	0·00	0·20	Darjeeling ...	Darjeeling Hill Tracts	
89	0·7	Nil	Nil	0·07	Nil	0·07	—0·07	Nil	1·06	—1·06	0·00	0·17	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
91	0·4	Nil	Nil	0·04	Nil	0·04	—0·04	0·06	0·87	—0·81	0·00	0·14	Mozufferpore ...	Mozufferpore	
80	0·6	Nil	Nil	0·04	Nil	0·04	—0·04	Nil	0·75	—0·75	0·00	0·14	Durbhunga ...	Durbhunga	
87	0·6	Nil	Nil	0·08	Nil	0·09	—0·09	Nil	0·37	—0·37	0·00	0·16	Motihari	Chumparun	
90	0	Nil	Nil	0·07	Nil	0·07	—0·07	0·05	0·81	—0·76	0·00	0·20	Chupra ...	Sarun	
76	0·7	Nil											Dehree ...		South Behar.
68	1·0	Nil	Nil	0·18	Nil	0·18	—0·18	0·04	1·30	—1·26	0·00	0·21	Buxar ...	Shahabad	
84	1·6	Nil											Arrah ...		
71	2·6	Nil	Nil	0·12	Nil	0·12	—0·12	0·20	0·89	—0·69	0·00	0·11	Gya ...	Gya	
60	1·7	Nil	Nil	0·08	Nil	0·08	—0·08	0·13	1·19	—1·06	0·00	0·14	Bankipore ...	Patna	
75	0·7	Nil	Nil	0·03	Nil	0·04	—0·04	0·07	1·19	—1·12	0·00	0·09	Bhagulpore ...	South Bhagulpore ... Monghyr	
74	0	Nil	Nil	0·01	Nil	0·06	—0·06	0·49	1·12	—0·63	0·00	0·04	Doomka ...	Sonthal Pergunnahs ..	
60	2·7	Nil	Nil	0·10	Nil	0·12	—0·12	0·15	1·00	—0·85	0·00	0·11	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
67	1·9	Nil	Nil Nil	0·09 0·05	Nil Nil	0·10 0·11	—0·10 —0·11	0·18 0·46	1·31 1·11	—1·13 —0·65	0·00 0·00	0·12 0·15	Ranchi ...	Lohardugga ... ... Manbhoom	
71	0·7	Nil	Nil	0·11	Nil	0·21	—0·21	0·54	1·50	—1·05	0·00	0·25	Chyebassa ...	Singbhoom	

ten years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean
ten years. The means of the district are the numerical average of the rainfall returns received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 12th of December 1891.

Meteorological division.	District.	Station.	Rainfall.							Total—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
			Sunday, 6th Dec.	Monday, 7th Dec.	Tuesday, 8th Dec.	Wednesday, 9th Dec.	Thursday, 10th Dec.	Friday, 11th Dec.	Saturday, 12th Dec.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
ORISSA ...	Pooree ...	Pooree ...	......	......	......	......	......	......	......	Nil	Nil	0·36	Nil	0·63	15·91	7·17
		Khurdah ...	......	......	......	......	......	......	......	Nil	Nil	0·19	Nil	0·33	3·74	4·38
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	0·55	Nil	0·65	1·77	5·81
		False Point ...	......	......	......	......	......	......	......	Nil	Nil	0·22	Nil	0·70	12·25	7·07
		Gop ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	?	?
		Satpara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·10	?
		Pipli ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·98	?
	Cuttack	Jagatsingpore	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·29	12·47	4·06
		Banki ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·28	1·17	3·12
		Cuttack ...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·22	4·87	3·91
		Kendrapara ...	......	......	......	......	......	......	......	Nil	Nil	0·15	Nil	0·45	16·72	4·10
		Jajpore ...	......	......	......	......	......	......	......	Nil	Nil	0·25	Nil	0·63	3·24	3·24
		Dharmsala .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	5·36	?
		Salipore	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	8·20	?
	Balasore	*Akhyapada* ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·74	?
		Chandbali ...	......	......	......	......	......	......	......	Nil	Nil	0·18	Nil	0·49	11·05	3·86
		Bhuddruck ...	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·18	5·85	3·79
		Sorah ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·08	3·93	2·60
		Balasore ..	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·27	2·47	3·38
		Jellasore ..	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·03	0·82	1·14
		Baripodah ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·02	0·35	1·74
SOUTH-WEST BENGAL.	Midnapore	Contai ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·33	2·49	4·77
		Saugor Island	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·30	4·44	4·96
		Tumlook ..	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·23	0·35	2·41
		Midnapore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·09	0·18	2·03
		Ghattal ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·18	0·33	0·76
		Kukrahaty ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·51	?
		Garbetta ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·19	?
	24-Pergunnahs	Diamond Harbour ...	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·22	0·70	3·43
		Canning Town	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·31	?
		Alipore Jail ..	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·27	0·43	2·11
		Barrackpore...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·24	0·28	1·62
		Dum-Dum ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·22	0·40	1·77
		Barasot ..	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·22	0·36	1·77
		Buseerhat ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·21	1·28	1·73
	Howrah	Howrah .	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·25	0·29	1·93
		Mohesrekha ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·22	0·41	1·20
		Oolooberiah ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·36	?
	Hooghly ...	Serampore ...	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·21	0·49	1·52
		Hooghly ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·16	0·33	1·69
		Jehanabad ..	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·12	0·30	1·42
	Burdwan ..	Culna ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	0·11	0·34	1·57
		Burdwan ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·15	0·28	1·63
		Cutwa ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·05	0·08	1·47
		Raneegunge ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·05	0·56	1·09
		Mankur ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·55	?
	Bankoora ...	Bankoora ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·13	0·69	1·53
		Bishenpore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·13	0·37	1·50
		Maliara ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·09	0·65	1·15
		Khatra ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·10	0·50	1·90
		Indas ...	......	......	......	......	......	......	......	Nil	Nil	?	0·02	?	0·48	?
		Kotalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·30	?
		Anda ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·29	?
		Raipore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·82	?
		Sonamukhi ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·51	?
	Beerbhoom	Bh. Soory ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·07	1·45	1·31
		Hetampore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·11	1·52	0·66
		Rampore Haut	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·15	1·88	0·96
		Bolpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·10	?
		Murari ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·56	?
	Nuddea ..	Ranaghat ..	......	......	......	......	......	......	......	Nil	Nil	0·01	0·04	0·15	0·60	1·65
		Kishnaghur ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·02	1·30	1·16
		Chooadanga ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·09	0·47	1·94
		Meherpore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·10	0·30	1·39
		Kooshtea .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·08	1·00	1·57
	Khoolna ..	Satkhira .	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·21	3·13	2·18
		Bagirhat ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·22	2·78	2·17
		Khoolna ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·26	3·89	2·28
		Nakipur ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·82	?
		Rampal .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·80	?
	Jessore ...	Narail .	......	......	......	......	......	......	......	Nil	Nil	0·01	0·04	0·16	2·13	2·30
		Jessore ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·15	1·43	2·15
		Jhenidah ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·12	0·34	1·89
		Magoorah ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·22	0·52	1·51
		Bongong ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·16	0·56	1·88
	Moorshedabad	Kandi ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·14	1·20	1·15
		Berhampore ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·12	1·06	0·96
		Lalbagh ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·15	0·86	1·01
		Azimgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·00	1·86	0·90
		Jungipore ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·09	1·43	0·78
		Lalgola ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·09	1·60	0·70
		Azimgunj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·63	?
		Patkabari ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·10	?
EAST BENGAL	Chittagong	Cox's Bazar ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·24	3·97	5·93
		Chittagong ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·61	1·63	3·76
		Kutubdia ...										?	Nil	?	3·56	?
		Satkania ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·70	?
	Chittagong Hill Tracts.	Rangamati ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·48	3·33	4·22
		Bundarbun ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·04	?
	Backergunge	Patuakhally...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·39	0·93	3·79
		Perozepore ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·35	1·69	3·05
		Burrisal ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·25	2·21	3·29
		Bhola ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·48	0·53	3·28

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 12th of December 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 6th Dec.	Monday, 7th Dec.	Tuesday, 8th Dec.	Wednesday, 9th Dec.	Thursday, 10th Dec.	Friday, 11th Dec.	Saturday, 12th Dec.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
East Bengal concld.		*Gournaddi* ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·01	?
		Bauphal ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·50	?
	Noakholly ...	Noakholly ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·53	3·71	4·01
		Fenny ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·95	2·09	5·33
		Harishpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·47	?
		Ramganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·39	?
	Furreedpore	Madaripore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·13	4·24	1·61
		Furreedpore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·11	1·07	1·57
		Goalundo ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·08	0·53	1·65
	Dacca ...	Munshigunge	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·30	3·78	2·54
		Dacca ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·16	1·06	1·64
		Naraingunge	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·26	3·34	3·28
		Maniokgunge	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·10	0·82	1·51
		Joydebpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·05	?
	Hill Tipperah	Agartola ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·33	7·40	3·16
	Tipperah ...	Comilla ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·44	6·42	2·34
		Chandpore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·34	4·45	1·73
		Brahmunberia	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·23	4·59	2·05
		Ramchandrapore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·42	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·55	?
		Daudkandi ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·17	?
		Kasba ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	7·44	?
		Laksham ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·05	?
	Mymensingh ...	Kishoregunge	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·13	1·67	1·55
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·08	0·63	1·59
		Mymensingh	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·10	2·57	1·80
		Jamalpore ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·17	3·00	1·55
		Netrokona ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·17	1·71	2·48
		Subornakhally	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·10	?
		Durgapore ...	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
		Sherepore Town	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·08	?
		Dewanganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·84	?
North Bengal.	Pubna ...	Pubna ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·09	0·99	1·59
		Serajgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·08	1·09	1·71
	Bogra ...	Sherepore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·14	2·64	1·51
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·11	2·67	1·41
		Bogra ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·07	3·60	1·35
		Panchbibi ..	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·10	0·45	0·63
	Rajshahye ...	Beauleah ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·00	0·31	1·07
		Nattore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·10	1·44	1·24
		Naogaon ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·14	1·90	0·75
		Lalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·07	?
		Manda ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·00	?
	Maldah ...	Maldah ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·12	0·26	1·48
		Chanchal ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·03	0·02	0·79
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	
		Sibganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·03	
	Dinagepore ...	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·14	0·70	0·44
		Churamon ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·14	0·08	0·41
		Raigunge ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·13	Nil	0·33
		Dinagepore ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·07	Nil	1·89
		Haloorghat .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·23	0·17	0·52
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	.
	Rungpore ...	Buxwaniguunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·10	0·64	1·22
		Rungpore ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·07	0·09	1·57
		Kurigram ...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·13	0·08	0·58
		Bagdogra (*Nilphamari*)	......	......	......	......	......	......	......	Nil	Nil	0·18	Nil	0·10	Nil	0·67
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·48	?
	Julpigoree ...	Julpigoree ...	......	......	......	......	......	......	......	Nil	Nil	0·00	Nil	0·06	Nil	1·22
		Alipore Dooar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Debiganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bhagatpore (Nagrakatta)	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·41	?
	Cooch Behar..	Dinhatta ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	Nil	0·95
		Cooch Behar...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	Nil	1·21
		Mekliganje...	......	......	......	......	......	......	......	Nil	Nil	0·16	Nil	0·16	Nil	1·03
		Matabhanga...	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·10	Nil	0·59
	Darjeeling Hill.	Buxa ...	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·15	2·59	3·42
		Silliguri ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	Nil	0·73
		Darjeeling ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·14	0·07	3·53
		Kalimpong ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·17	0·62
		Kurseong ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
North Behar	Purneah ...	Kissengunge...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·09	Nil	1·07
		Arrareah ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·08	Nil	0·89
		Purneah ...	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·13	Nil	1·00
		Gondwara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Barsoe ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Matiari ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Kaliaganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddepore ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	Nil	0·88
		Soopool ..	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	Nil	0·53
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Durbhunga ...	Tajpore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·03	Nil	0·77
		Durbhunga ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	Nil	0·50
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·03	Nil	0·72
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Roshera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·03	Nil	0·52
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·04	Nil	1·34
		Hajipore ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·04	0·17	0·73
		Paru ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	
		Mahua ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	
		Sisahar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	
		Pupri ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 12th of December 1891—concld.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL—			Total rainfall since 1st of month.	Average total rainfall from 1st of month	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
			Sunday, 6th Dec.	Monday, 7th Dec.	Tuesday, 8th Dec.	Wednesday, 9th Dec.	Thursday, 10th Dec.	Friday, 11th Dec.	Saturday, 12th Dec.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
NORTH BEHAR—*concluded.*	Chumparun	Motihari ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·08	Nil	0·88
		Bettiah ...	......	......	......	......	......	......	......	Nil	Nil	0 11	Nil	0·11	Nil	0·34
		Bagaha ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sarun	Gopalgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	0·07	0·28
		Sewan	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·05	0·09	1·10
		Chuprah ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	Nil	1·07
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·07	0·18	1·18
		Dehree ..	......	......	......	......	......	......	......	Nil	Nil	2·34	Nil	0·38	Nil	1·31
		Bhabooah ...	......	......	......	......	......	......	......	Nil	Nil	0·15	Nil	0·15	Nil	1·59
		Sasseram ...	......	......	......	......	......	......	......	Nil	Nil	0·17	Nil	0·17	Nil	1·48
		Arrah ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·11	Nil	0·96
		Mohaniah ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad...	......	......	......	......	......	......	......	Nil	Nil	0·16	Nil	0·16	Nil	0·67
		Gya ...	......	......	......	......	......	......	......	Nil	Nil	0 12	Nil	0·14	0·73	1·08
		Nowadah ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·06	0·07	0·87
		Jehanabad ...	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·12	Nil	0 90
		Arwal ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		audnagar ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sherghatti ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·26	?
		Rajauli .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·03	?
	Patna	Patna ...	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	0·21	1·15
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·08	0·10	1·13
		Behar ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·06	0·06	1·24
		Barrh ...	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·09	0·13	1·24
		Bickram ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hilsa .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
	Monghyr	Begoosarai ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·04	0·05	1·48
		Monghyr	......	......	......	......	......	......	......	Nil	Nil	0 04	Nil	0·04	Nil	1·29
		Jamui ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·02	0·10	0·83
		Gogri ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sheikpura ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore	Bhagulpore ..	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·05	0·01	1·05
		Banka	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·05	0·18	1·33
		Kolgong ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bongaon ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·04	0·14	1·02
		Godda ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·08	0·08	0·88
		Pakour	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·06	1·85	0·96
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·08	0·38	1·07
		Deoghur	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·03	0·15	1·69
		Jamtara ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0 06	0·30	1·16
		Mohagama ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	?	?
		Nasihat ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·76	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba (*Giridi*). ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·05	Nil	1·05
		Hazaribagh .	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·14	0·15	1·13
		Semtagurah	......	......	......	......	......	......	......	Nil	Nil	0·17	Nil	0·18	Nil	0·86
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·14	Nil	0·80
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0 07	0·50	1·05
		Barhi ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·07	?
		Chatra .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·05	?
		Karagdeha ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·17	?
		Ramghar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	?
	Lohardugga	Lohardugga...	......	......	......	......	......	......	......	Nil	Nil	0·16	Nil	0·16	0·22	1·47
		Ranchi ...	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·11	0·26	1·28
		Palamow	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·04	0·06	1·21
		Silli ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Balumat ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hosseinabad	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Garwah	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Singbhoom	Chyebassa ...	......	......	......	......	......	......	......	Nil	Nil	0·11	Nil	0·21	0·54	1·59
		Chakradharpore.										?		?		?
		Ghatsilla ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·88	?
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·62	?
	Manbhoom	Purulia ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·12	0·65	1·69
		Gobindpore ..	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·10	0·25	1·12
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Barrabhoom	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·70	?
		Jhalda ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·23	?
		Chas ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·19	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 15th December* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY, THE 12TH OF DECEMBER 1891.

CONDITIONS at the close of the previous week had become fairly normal for the cold weather, both in Bengal and over the Bay, and during the present week the meteorological changes which have occurred, though they have been small and unimportant, have been practically all in the direction of the further development of north-east monsoon conditions. On the 6th the barometer was rising by about 0·03 inch, and the general pressure had become above the normal by about the same amount. Temperature was falling slowly but the mean temperature was still higher than usual by amounts ranging up to about 5°. A steady northerly wind current was blowing over the whole of the province; the sky was nearly cloudless and absolutely no rain was reported. On the 7th pressure had again risen by one or two hundredths of an inch, and temperature had fallen slowly at the majority of stations, but it was still rather largely above the normal, while the other conditions remained practically unchanged. On the 8th a slight fall of pressure had set in, but temperature continued to fall slowly. Cloud proportion had increased rather rapidly on this day, and the sky was generally moderately to rather heavily clouded, while humidity had increased decidedly at many stations, but no rain was reported. This increase in the amount of cloud and slight change in the general conditions may perhaps have been connected with the commencement of a barometric depression in the south-west of the Bay, the existence of which was distinctly shown on the morning of the 9th. In Bengal on this day pressure had again fallen moderately, generally by about 0·03" or 0·04": temperature also still continued to fall, though cloud proportion and humidity remained rather high, but again there was no rain. The depression in the south-west of the Bay advanced on the 9th in a westerly direction, and passed partly over the south of the peninsula and partly over Ceylon, perhaps also filling up in its advance, and on the 10th very heavy rain was reported in the south of the peninsula. Conditions in Bengal then began to become more settled, and the sky cleared rapidly on the 10th and became almost cloudless. Humidity also fell very rapidly, and the air became decidedly dry, the northerly winds blowing over the province generally strengthened, pressure rose slowly and temperature fell moderately to rapidly, and the mean temperature over the province became nearly normal, while in Behar there was a considerable defect. On the 11th pressure continued to rise moderately and became about a twentieth of an inch in excess of the normal. Temperature also fell rather briskly and was below the normal at the western and southern stations, though it was still slightly above it in North Bengal. On the 12th pressure had again risen slowly in Bengal, and had become about 0·06 inch to 0·08 inch above the normal, but the barometer had fallen moderately to briskly in the south-west corner of the Bay, and another barometric depression appeared to have formed over this area on that day. Again the sky became a little clouded in Bengal and temperature commenced to rise at many stations, so that at the close of the week the mean temperature was very nearly normal over the province generally, except, perhaps, in North Bengal, where there was a distinct excess of about one or two degrees. No rain, however, fell, and throughout the week fine weather obtained over the whole province.

Pressure.—The mean pressure for the week has been in excess of the normal in all districts; the usual excess has been from 0·05 inch to 0·06 inch, but the excess has been generally largest at the western stations where it is about 0·07 inch and smallest in East and South-East Bengal where it has equalled about 0·04 inch.

Temperature—Has been in excess of the normal in all districts, the usual excess being from one to two-and-a-half degrees. This excess has been largest in East and North Bengal and smallest in Chutia Nagpur and Orissa. The variation of the mean temperature of the province from the normal for the whole week has been an excess of 1·5°

This variation of temperature is, however, most clearly seen in the table below where the average maximum, minimum and mean temperatures for the week at nine typical stations in different districts of the province are compared with the normal values for the same period. In this table it will be seen that the principal variations have occurred in the day or maximum temperatures, while the night or minimum temperatures have been more nearly normal.

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 12th December 1891.

	Normal mean maximum temperature for the week ending 12th December.	Actual mean maximum temperature for the week ending 12th December 1891.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 12th December.	Actual mean minimum temperature for the week ending 12th December 1891.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 12th December.	Actual mean daily temperature for the week ending 12th December 1891.	Variation of actual mean from the normal.
Cuttack	82·1	81·7	—0·4	58·5	59·2	+0·7	70·3	70·4	+0·1
Calcutta	77·0	79·1	+2·1	58·4	59·1	+0·7	67·7	69·1	+1·4
Dacca	79·7	81·2	+1·5	59·3	59·4	+0·1	69·5	70·3	+0·8
Burdwan	78·4	81·1	+2·7	57·6	57·3	—0·3	68·0	69·2	+1·2
Patna	75·5	76·3	+0·8	52·6	53·1	+0·5	64·1	64·7	+0·6
Gya	76·7	77·7	+1·0	51·0	52·1	+1·1	63·9	64·9	+1·0
Purneah	77·7	80·3	+2·6	51·0	50·4	—0·6	64·4	65·4	+1·0
Hazaribagh	72·0	73·5	+1·5	51·2	50·3	—0·9	61·6	61·9	+0·3
Darjeeling	50·9	50·5	—0·4	38·2	37·9	—0·3	44·6	44·2	—0·4

Rainfall—Has been entirely absent throughout the week for the whole province.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 12th of December 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	83·7	52·5	80·8	59·7	70·3	+0·9	Nil	0·18	—0·18	0·00	0 26	—0·26	Nil	0·33	6·44	3·94
South-West Bengal ...	83·3	50 8	80·1	57·7	68·9	+1·4	Nil	0·04	—0·04	0·00	0·10	—0·10	Nil	0·16	1·05	1·71
East Bengal	85·7	54·1	80 8	58·6	69·7	+2·2	Nil	0·04	—0 04	0·00	0·11	—0·11	Nil	0·30	2·40	2·74
North Bengal	82·8	51·4	80·1	55·7	67·9	+2·4	Nil	0·06	—0·06	0 00	0·13	—0·13	Nil	0·12	0·65	1·12
North Behar	82·3	44·9	78·9	51·4	65 0	+1·6	Nil	0·06	—0·06	0·00	0·16	—0·16	Nil	0·06	0·02	0·83
South Behar	81·3*	45·9	77·9	52·6	65·3	+1·6	Nil	0·08	—0·03	0·00	0·12	—0·12	Nil	0 09	0·19	1·13
Chutia Nagpur	76·2*	43 5	73·5	50·1	61 8	+0·8	Nil	0·09	—0·09	0 00	0 13	—0·13	Nil	0·12	0·25	1·15

* Chyebassa and Arrah not included.

METEOROLOGICAL OFFICE, BENGAL,
The 14th December 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 6th to 12th December 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
December	6th ...	30·120	71·2	81·4	20 5	60 9	75·9	66·6	·529	60·6	60	...
" ...	7th ...	·122	70 3	80·9	21 2	59·7	75·6	65·6	·498	58 8	56	...
" ...	8th ...	·122	70·5	79 9	18 8	61·1	74 6	65·6	·511	59·6	59	...
" ...	9th ..	·098	69·4	78·9	19 0	59 9	73·6	65·6	·525	60·4	63	...
" ...	10th ...	·095	68 7	78·9	20·5	58·4	71·6	60·7	·387	51·8	49	...
" ...	11th ...	·118	65·9	75·9	20 0	55 9	69·2	58·7	·356	49·6	49	...
" ...	12th ...	·136	67·4	78 9	23·0	55·9	71·2	62·2	·441	55·4	57	...

				Inches.
The mean 10 A.M. pressure of the seven days	...	...	...	30·116
The mean temperature of the seven days	...	...	...	69·1
The extreme variation of temperature	...	...	...	25·5
The maximum temperature	...	...	...	81·4
				%
The mean 10 A.M. relative humidity of the seven days		...	...	56
The total fall of rain from 6th to 12th December 1891		...	...	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 14th December 1891.

Results of the Meteorological Observations taken at the Alipore Observatory from 6th to 12th December 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Maximum.	Range.	Minimum.	Hygrometry. Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Wind. Prevailing direction.	Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Dec.	6th	134·2	9·1	30·029	69·6	80·5	20 5	60·0	63·2	0·499	58·9	72	N by E and N ...	72	Nil	Chiefly clear, ⌓.
"	7th	133·3	9·0	·061	69·0	79·9	21·2	58·7	62·8	·491	58·4	71	N and NNE ...	78	"	Chiofly clear, ⌓.
"	8th	136 7	5·3	·040	68·7	7·96	18·2	61·4	62·6	·488	58·2	70	NNE and N by W	82	"	Chiefly cloudy.
"	9th	132·0	9·0	·026	67·8	78·6	18 3	60 3	62·4	·493	58·5	72	NNE and NE by N	79	"	Partially cloudy, ⌓.
"	10th	132·7	9·2	·032	66·1	78·4	18 3	60·1	58·4	·388	51·8	60	N by W and N ...	85	"	Clear.
"	11th	131·5	3·9	·052	65·5	76·2	19·5	56·7	58·4	·397	52·6	64	N and NNW ...	72	"	Chiefly cloudy.
"	12th	131·4	8·5	·077	65·6	78·5	22·2	56·3	59·6	·432	54·9	68	NNW, N and N by E.	84	"	Partially co udy ⌓, ≡.

	Inches.
The mean pressure of the seven days	30·046
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	30 024
	Hours.
The total number of hours of bright sunshine	54·0
The maximum possible number of hours of sunshine	75·3
	°
The mean temperature of the seven days	67·5
The average temperature of the corresponding period for 24 years, S.-G.'s Office	68 6
The extreme variation of temperature	24·2
The maximum temperature	80·5
	Miles.
The highest velocity of the wind in one hour	9
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	68
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	71
	Inches.
The total fall of rain from 6th to 12th December 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0·03
The total fall from 1st January to 12th December 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	65·22

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

⌓, dew; ≡, fog.

C. LITTLE,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 14th December 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 12th November 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
DISTRICTS.	NAMES OF MUNICIPALITIES.	Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the preceding week.	Male.	Female.	Male.	Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan ...	Burdwan	18,063	16,017	34,080	7	3	*10*	10·7	4·6	*15·3*	233	...	...	11	11	...	2	*24*	...	...	16·8	16·8	...	3·0	*36·6*	30·5	14	10	40·3	32·5	124
	Raniganj	6,246	4,691	10,937	...	1	*1*	...	4·7	*4·7*	No male birth.	1	..	6	1	...	1	*9*	4·7	...	28·5	4·7	...	4·7	*42·8*	47·5	6	3	50·0	33·3	150
Bankura ...	Bankura	8,970	8,925	17,895	10	10	*20*	29·0	29·0	*58·1*	100	...	.	13	1	2	1	*17*	...	...	37·8	2·9	5·8	2·9	*49·4*	34·9	9	8	52·2	46·6	112
Birbhum ...	Soori	3,982	3,866	7,848	1	1	*2*	6·6	6·6	*13·3*	100	3	..	6	1	...	1	*11*	19·9	...	39·8	6·6	...	6·6	*72·9*	26·5	6	5	78·4	67·3	116
Midnapore ...	Midnapore... ...	16,927	16,633	33,560	13	10	*23*	20·1	15·5	*35·6*	130	1	...	14	3	...	13	*31*	1·5	...	21·7	4·6	...	20·1	*48·0*	34·1	15	16	46·1	50·0	92
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	10	18	*28*	16·4	29·5	*45·9*	55	3	...	36	12	...	11	*62*	4·9	...	59·1	19·7	...	18·0	*101·7*	96·8	42	20	137·7	65·7	210
	Serampore ...	13,559	12,937	26,496	13	12	*25*	25·5	23·1	*49·1*	108	14	...	24	10	2	10	*60*	27·5	...	47·1	19·6	3·9	19·6	*117·8*	135·4	33	27	126·6	108·5	116
	Utterpara	3,046	2,464	5,510	2	4	*6*	18·9	37·7	*56·6*	50	2	.	4	...	...	..	*6*	18·9	...	37·7	...	...	...	*56·6*	113·2	6	...	102·4	...	No female death.
Howrah ...	Howrah	53,153	37,660	90,813	28	17	*45*	16·0	9·7	*25·8*	164	10	...	24	7	1	5	*47*	5·7	..	13·7	4·0	·6	2·8	*26·9*	32·1	27	20	26·4	27·6	95
	Bali	7,836	6,979	14,815	6	2	*8*	21·1	7·0	*28·1*	300	2	..	5	...	...	6	*13*	7·0	...	17·5	...	...	21·1	*45·6*	35·1	4	9	26·5	67·1	39
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	9	7	*16*	17·8	13·8	*31·6*	128	14	...	19	3	...	7	*43*	27·7	..	37·6	5·9	..	13·8	*85·0*	81·1	28	15	90·5	76·4	118
	Manicktolla ...	16,536	12,112	28,648	4	4	*8*	7·2	7·2	*14·5*	100	1	.	9	2	.	2	*14*	1·8	...	16·3	3·6	...	3·6	*25·4*	23·6	9	5	28·3	21·5	131
	Baranagore ...	15,920	14,062	29,982	6	3	*9*	10·4	5·2	*15·6*	200	3	.	19	1	1	2	*26*	5·2	...	33·0	1·7	1·7	3·5	*45·1*	36·4	10	16	32·7	59·2	55
	South Suburban	26,400	25,258	51,658	5	4	*9*	5·0	4·0	*9·0*	125	3	...	10	3	...	2	*18*	3·0	...	10·1	3·0	...	2·0	*18·1*	17·1	8	10	15·8	20·6	75
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	4	4	*8*	7·5	7·5	*15·1*	100	2	...	17	2	...	...	*21*	3·8	...	32·1	3·8	...	...	*39·7*	32·2	12	9	47·0	32·9	143
	Ranaghat	4,028	4,655	8,683	2	...	*2*	12·0	...	*12·0*	No female birth.	1	...	1	1	...	...	*8*	6·0	..	6·0	6·0	...	...	*18·0*	35·9	3	...	38·7	...	No female death.
	Santipore . ..	13,708	15,979	29,687	3	1	*4*	5·3	1·7	*7·0*	300	1	.	6	...	..	1	*8*	1·7	...	10·5	...	...	1·7	*14·0*	15·8	3	5	11·4	16·3	70
Jessore ...	Jessore	4,830	3,665	8,495	...	1	*1*	...	6·1	*6·1*	No male birth.	1	...	...	...	...	..	*1*	6·1	...	...	...	..	...	*6·1*	73·5	1	...	19·8	...	No female death.
Murshedabad	Berhampore ...	11,657	11,948	23,605	6	8	*14*	13·2	17·6	*30·8*	75	6	...	8	1	...	12	*27*	13·2	...	17·6	2·2	...	26·4	*59·5*	77·1	9	18	40·1	78·3	51
	City Murshedabad	18,901	20,330	39,231	13	11	*24*	17·2	14·6	*31·8*	118	5	...	28	2	...	9	*44*	6·6	...	37·1	2·6	...	11·9	*58·3*	51·7	20	24	55·0	61·4	89
Khulna ...	Khulna	3,249	3,043	6,292	1	1	*2*	8·2	8·2	*16·5*	100	...	...	2	...	...	...	*2*	...	...	16·5	...	...	...	*16·5*	90·9	1	1	16·0	16·4	97
Dinajpore ...	Dinajpore	7,254	5,306	12,560	2	3	*5*	8·3	12·4	*20·7*	66	1	...	6	2	1	11	*21*	4·1	...	24·8	8·3	4·1	45·5	*86·9*	45·5	11	10	78·9	98·0	80

Rajshahye ...	Rampore Beauleah	10,766	9,025	19,791	6	13	*19*	15·8	34·1	*49·9*	46	3	...	17	...	1	1	*22*	7·9	...	44·7	...	2·6	2·6	*57·8*	86·7	11	11	53·1	63·4	84
Rungpore ...	Rungpore	8,011	5,309	13,320	2	4	*6*	7·8	15·6	*23·4*	50	..	..	4	...	...	1	*5*	...	..	15·6	...	...	3·9	*19·5*	58·6	...	5	...	49·0	No male death.
Bogra ...	Bogra	3,480	2,699	6,179	1	2	*3*	8·4	16·8	*25·2*	50	...	...	5	3	...	1	*9*	...	..	42·1	23·2	...	8·4	*75·7*	75·7	6	8	89·7	57·8	155
Pubna ...	Pubna	7,701	7,566	15,267	11	7	*18*	37·5	23·8	*61·3*	157	14	...	16	2	...	5	*37*	47·7	...	54·3	6·8	...	17·0	*126·0*	105·6	20	17	135·0	116·8	115
	Serajganj	11,213	9,824	21,037	6	8	*14*	14·8	19·8	*34·6*	75	6	..	6	1	1	1	*15*	14·8	..	14·8	2·5	2·5	2·5	*37·1*	61·8	11	4	51·0	21·2	240
Darjeeling ...	Darjeeling ...	4,579	2,439	7,018	3	2	*5*	22·2	14·8	*37·0*	150	...	..	1	...	...	...	*1*	...	..	7·4	...	...	...	*7·4*	14·8	1	...	11·4	...	No female death.
Julpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	2	...	*2*	13·1	...	*13·1*	No female birth.	...	..	4	...	...	2	*6*	...	...	26·2	...	...	13·1	*39·3*	58·9	4	2	41·6	35·0	119
Dacca ...	Dacca	42,782	37,379	80,161	23	17	*40*	14·9	11·0	*25·9*	135	5	...	31	11	1	9	*58*	3·2	..	20·8	7·1	·6	5·8	*37·6*	28·5	40	18	48·6	25·0	194
	Narainganj ...	7,605	4,956	12,561	8	5	*13*	33·1	20·7	*53·8*	160	10	...	5	3	...	12	*30*	41·4	..	20·7	12·4	...	40·7	*124·2*	53·3	19	11	129·0	115·4	112
Faridpore ...	Faridpore	5,663	4,600	10,263	3	2	*5*	15·2	10·1	*25·3*	150	...	..	9	...	.	1	*10*	..	..	45·6	...	...	5·0	*50·7*	[illegible]	5	5	45·9	56·5	81
Backerganj ...	Barisal	8,701	4,485	13,186	1	4	*5*	3·3	1[illegible]·7	*19·7*	25	..	..	2	...	...	6	*8*	...	.	7·9	..	...	23·6	*31·5*	7·9	6	2	35·9	23·2	154
Mymensing ...	Nasirabad ..	10,443	4,413	14,8[illegible]	2	1	*3*	7·0	3·5	*10·5*	200	2	..	1	1	...	2	*6*	7·0	..	3·5	3·5	...	7·0	*21·0*	7·0	5	1	24·9	11·8	211
Chittagong ...	Chittagong ...	13,340	8,790	22,130	2	1	*3*	4·7	2·3	*7·0*	200	..	..	2	...	...	...	*2*	..	..	4·7	...	...	..	*4·7*	9·4	2	...	7·8	...	No female death.
Noakhali ...	Sudharam ...	3,410	1,714	5,124	.	.	...	...	...	...	...	..	.	.	...	.	.	...	...	..	...	...	...	..	...	...	...	...	...	...	...
Tipperah ...	Comillah	8,155	5,353	13,506	13	16	*29*	50·1	61·6	*111·7*	81	.	.	10	...	...	5	*15*	...	..	38·5	...	..	19·3	*57·8*	46·2	8	7	51·0	63·0	75
Patna ...	Patna City ...	78,762	51,675	130,437	28	22	*50*	9·1	7·1	*16·2*	127	16	..	31	2	2	23	*74*	5·2	..	10·1	·6	·6	7·5	*24·0*	22·1	33	35	25·7	22·3	115
	Behar	23,799	25,172	48,971	26	23	*49*	27·6	24·4	*52·0*	113	...	.	14	5	...	6	*30*	.	..	20·2	5·3	...	6·1	*31·9*	20·2	18	12	30·3	24·8	158
Gya ..	Gya	38,290	37,831	73,121	25	24	*49*	17·1	16·4	*33·5*	104	3	.	35	...	...	22	*61*	2·0	..	21·6	...	...	15·0	*41·7*	40·9	23	32	39·4	44·0	59
Shahabad ...	Arrah	20,960	22,505	43,465	10	21	*31*	12·0	25·1	*37·1*	48	...	..	11	...	1	4	*16*	...		13·1	...	1·2	4·5	*19·1*	9·6	11	5	27·3	11·6	235
	Buxar	9,299	8,369	17,668	3	2	*5*	8·8	5·9	*14·7*	150	...	.	4	2	...	3	*9*	...	..	11·8	5·9	...	8·8	*26·5*	14·7	4	5	22·4	31·1	72
Mozufferpore...	Mozufferpore ...	23,084	19,658	42,742	20	5	*25*	24·3	6·1	*30·4*	400	2		9	4	...	3	*18*	2·4	...	10·9	4·9	...	3·6	*21·9*	15·8	14	4	31·5	10·6	297
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	27	27	*54*	21·2	21·2	*42·5*	100	...	.	16	3	...	19	*38*	...	...	12·6	2·4	..	14·9	*29·9*	29·9	15	23	24·1	37·0	62
Saran ...	Chupra	25,116	26,554	51,670	25	24	*49*	25·1	24·1	*49·3*	134	1	..	9	7	1	18	*36*	1·0	..	9·1	7·0	1·0	18·1	*36·2*	32·2	19	17	35·3	33·3	118
Chumparun ...	Motihari	6,328	3,979	10,307	3	3	*6*	15·1	15·1	*30·3*	100	..	..	6	1	...	2	*9*	...	.	30·3	5·0	.	10·1	*45·4*	45·4	6	3	48·3	39·2	128
Monghyr ...	Monghyr	28,154	29,366	57,520	33	19	*52*	23·8	17·2	*47·0*	174	9	...	17	8	3	17	*54*	8·1	..	15·4	7·2	2·7	15·4	*48·8*	42·5	33	22	59·1	39·0	151
	Jamalpore ...	7,456	6,107	13,563	7	7	*14*	26·8	26·8	*53·7*	101	...	...	2	1	...	7	*10*	...	..	7·6	3·8	...	26·8	*38·3*	40·8	7	3	48·8	25·5	101
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	21	24	*45*	16·0	18·3	*34·3*	87	4	.	19	4	...	8	*35*	3·0	...	14·4	3·0	...	6·1	*26·7*	35·8	19	16	28·3	25·0	113
Purneah ...	Purneah	8,463	6,553	15,016	2	...	*2*	6·9	...	*6·9*	No female birth.	.	...	7	.	...	1	*8*	.	.	24·2	..	..	3·5	*27·7*	27·7	3	5	18·4	39·7	46
Maldah ...	English Bazar ...	6,289	6,141	12,430	1	6	*7*	4·2	25·1	*29·3*	16	27	..	14	3	1	2	*47*	113·9	...	58·5	12·6	4·2	8·4	*196·6*	175·7	24	23	198·4	194·5	101
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	1	3	*4*	6·5	19·5	*26·0*	33	1	..	1	2	...	3	*7*	6·5	..	6·5	13·0	...	19·5	*45·5*	45·5	4	3	41·0	51·6	81
Cuttack ...	Cuttack	22,632	20,607	43,239	14	10	*24*	16·8	12·0	*28·9*	140	1	4	3	..	...	16	*24*	1·2	4·8	3·6	...	...	19·2	*28·9*	24·1	16	8	36·8	20·2	182
Poori ...	Poori	13,247	11,537	24,784	5	5	*10*	10·5	10·5	*21·0*	101	12	3	13	5	1	7	*41*	25·2	6·3	27·2	10·5	2·1	14·7	*86·0*	134·3	24	17	94·2	73·6	123
Balasore ...	Balasore	10,282	9,953	20,235	4	6	*10*	10·3	15·4	*25·7*	66	1	.	2	1		5	*9*	2·6	...	5·1	2·6	...	12·8	*23·1*	7·7	5	4	25·3	29·8	121
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	3	5	*8*	10·2	17·0	*27·2*	60	...	..	4	...	1	2	*7*	...	..	13·6	...	3·4	6·8	*23·8*	17·0	2	5	13·6	33·9	40
Lohardugga ...	Ranchi	10,101	8,342	18,443	4	2	*6*	11·3	5·6	*16·9*	200	...	...	5	1	1	2	*9*	...	...	14·1	2·[illegible]	2·5	5·6	*25·4*	14·1	5	4	25·7	24·9	103
Singbhum ...	Chaibassa	3,126	2,880	6,006	3	1	*4*	26·0	8·6	*34·6*	300	...	...	1	...	..	2	*3*	...	.	8·6	...	..	17·3	*26·0*	8·7	1	2	16·6	36·1	43
Manbhum ...	Purulia	5,060	4,244	9,304	4	2	*6*	22·4	11·1	*33·5*	200	...		5	..	...	1	*6*	...	.	27·9	...	...	5·6	*33·5*	31·1	3	3	37·8	36·8	53
	Total ...	872,026	785,969	1,657,995	497	448	*945*	15·6	14·0	*29·6*	111	191	7	616	133	21	315	*1,283*	6·0	·2	19·3	4·2	·6	9·9	*40·2*	39·1	715	563	42·6	37·6	113

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO —																													
		Class.										Age.																			
		DEATHS AMONG—					RATIO PER 1,000 OF POPULATION PER ANNUM.					DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	16	8	...	..	...	35·1	40·5	..	..	3	1	3	3	1	2	4	2	2	3	236·4	23·0	66·9	62·0	16·6	13·1	30·2	23·5	42·4	105·3
	Raniganj	.	9	..	..	...	...	52·4	.	...	...		1	2	1	...	1	...	2	...	2	...	52·8	91·9	57·1	...	21·5	...	63·1	...	249·4
Bankura .	Bankura	...	16	1	...	...	..	49·0	60·5	.	.	6	2	1	.	1	1	3	2	1	..	659·6	54·4	23·0	...	33·0	15·8	59·1	57·1	47·0	...
Birbhum ...	Soori	...	8	3	..	..	...	71·3	75·4	..	...	2		3	...	.	1	1	1	..	3	597·7	...	187·3	...	...	36·5	42·6	59·0	...	328·4
Midnapore ...	Midnapore ...	...	30	1	...	..	..	60·2	7·2	...	..	7	.	4	2	...	2	4	3	4	5	489·9	..	55·5	34·2	...	14·2	37·5	41·9	100·8	142·1
Hughli, including Serampore.	Hughli and Chinsurah.	.	50	12	...	...	...	102·9	101·2	...	...	8	5	5	1	9	7	7	5	8	7	515·1	117·2	90·1	21·0	186·5	58·7	63·8	62·3	160·0	175·6
	Serampore ...	...	43	12	...	...	...	98·9	665·2	...	...	5	11	2	1	6	7	9	5	3	11	366·2	316·9	41·4	23·4	142·9	67·6	94·1	77·1	81·5	411·3
	Utterpara	...	6	...	...	...	...	58·6	...	...	...	1	...	..	1	1	1	1	...	1	...	325·0	...	...	108·6	115·2	45·2	49·0	...	141·3	..
Howrah ...	Howrah	.	33	14	...	...	...	25·2	35·5	...	...	4	6	3	...	2	9	5	7	6	5	100·8	56·3	24·8	...	14·2	20·6	13·5	31·0	56·8	69·3
	Sali	...	10	3	...	...	...	38·8	119·0	..	...	5	..	1	..	...	1	4	...	2	...	715·2	...	48·8	...	...	15·5	74·6	...	99·2	...
24-Pergunnahs.	Cossipore-Chitpore	..	40	3	...	..	...	113·8	19·8	...	...	5	6	2	3	3	2	1	5	3	13	543·9	353·7	132·7	61·9	171·6	10·9	8·1	105·9	160·3	1,444·4
	Manicktola ...	...	8	6	...	...	...	24·9	27·2	..	...	...	...	...	...	.	5	1	4	...	4	...	...	..	..	...	32·0	6·4	46·2	...	219·6
	Baranagore ..	...	24	2	...	...	...	48·5	25·1	...	...	2	3	2	1	2	3	3	...	3	7	153·6	76·0	41·7	22·2	45·4	24·4	26·7	...	75·4	217·3
	South Suburban ..	...	13	5	...	...	..	21·4	13·3	..	...	2	3	1	...	1	2	1	3	3	2	78·4	32·8	10·2	...	11·8	10·2	6·0	26·4	47·1	32·0
Nuddea ...	Krishnagar ...	...	12	9	...	...	...	33·5	56·5	...	...	4	2	2	2	..	4	2	...	2	3	419·4	42·2	30·3	37·0	...	43·3	24·3	..	49·4	90·3
	Ranaghat	...	3	...	...	...	...	21·3	...	...	...	...	1	...	...	...	...	...	...	2	...	...	65·4	...	...	...	...	...	...	143·6	...
	Santipore ...	...	8	..	...	...	...	20·1	...	...	...	1	...	1	2	.	...	2	.	...	2	61·5	...	13·8	35·9	...	...	24·0	...	...	53·0
Jessore ...	Jessore	...	1	...	..	..	...	11·5	...	...	...	..	...	...	...	1	...	..	...	...	...	...	...	...	...	71·0	...	...	...	...	...
Murshedabad.	Berhampore ...	...	22	5	...	...	...	63·0	50·1	...	..	5	3	5	1	3	2	1	1	1	5	689·7	97·9	123·0	27·3	58·5	23·3	11·7	15·1	27·7	162·7
	City Murshedabad	...	21	22	...	1	...	48·1	72·3	...	50·4	13	2	5	1	2	3	2	5	4	7	886·0	42·2	75·5	18·1	40·2	21·3	14·3	44·4	58·6	117·6
Khulna ...	Khulna	...	2	...	...	...	.	32·6	...	...	...	1	...	...	..	..	...	...	1	...	...	409·4	...	...	...	...	...	...	79·8	...	...
Dinajpore ...	Dinajpore ...	...	8	13	...	...	...	68·7	105·5	...	...	3	2	..	...	2	2	1	4	1	6	757·3	120·4	...	...	102·4	38·6	21·0	134·7	62·7	488·3
Rajshahye ...	Rampore Beauleah	...	9	13	...	...	...	47·2	68·9	...	...	4	4	3	2	1	3	2	2	..	1	512·3	146·7	75·0	57·7	31·3	37·5	28·9	42·4	.	54·0
Rungpore ...	Rungpore ...	...	2	3	...	...	...	18·1	23·5	..	...	1	...	..	...	1	.	2	...	1	..	223·2	...	...	...	48·4	...	37·8	...	70·8	...
Bogra ...	Bogra ...	...	7	2	...	...	...	136·5	30·0	...	...	...	2	...	...	1	1	1	3	...	1	...	203·3	...	...	96·1	39·4	48·6	229·7	...	165·6

Pubna ...	Pubna ...	...	...	12	25	...	...	...	87·5	160·4	...	...	5	7	9	1	1	...	4	3	1	6	664·9	249·7	276·9	37·7	48·3	...	83·3	91·5	51·4	313·6
	Serajganj ...	...	...	11	4	...	...	...	66·7	16·9	...	...	...	2	2	1	1	3	1	4	...	1	...	43·5	34·2	27·0	31·7	42·4	16·4	93·0	...	44·6
Darjeeling ...	Darjeeling ...	...	...	1	...	...	...	...	11·3	...	...	...	...	1	...	...	..	...	...	...	...	...	...	80·9	...	...	...	...	...	...	...	...
Julpaiguri ...	Julpaiguri ...	...	...	3	3	...	...	...	36·7	42·8	..	...	1	2	...	...	1	...	1	...	...	1	353·7	141·1	...	...	82·0	...	34·5	...	...	165·1
Dacca ...	Dacca ..	...	...	35	23	...	...	...	45·2	30·4	...	...	5	6	3	1	2	11	8	8	5	9	137·0	42·3	15·7	6·5	14·2	37·3	35·7	49·6	54·9	84·0
	Narainganj ...	...	...	11	19	...	...	...	90·4	160·4	...	..	12	4	2	...	2	4	1	1	1	3	2,236·6	182·5	76·7	...	99·5	77·9	24·3	37·3	66·5	239·3
Faridpore ..	Faridpore ...	...	...	4	6	...	...	...	38·9	64·3	...	..	5	2	...	.	...	...	2	1	...	..	1,111·1	83·4	...	...	...	...	71·2	44·6	...	...
Backerganj ...	Barisal ...	...	1	3	4	...	...	213·1	25·8	30·5	...	...	2	3	...	...		2	1	...	...	...	530·6	183·3	...	...	...	32·3	20·8	...	..	...
Mymensing ...	Nasirabad ..	...	...	2	4	...	...	...	13·6	29·3	...	...	...	1	...	...	1	...	1	2	1	...	...	52·4	...	...	37·8	...	17·8	59·0	56·4	...
Chittagong ...	Chittagong ...	...	1	...	1	...	...	65·3	...	3·4	...	...	...	1	...	...	..	...	...	1	...	...	...	26·4	...	...	...	...	...	23·0	...	...
Noakhali ...	Sudharam ...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tipperah ...	Comillah ...	...	..	5	10	...	...	...	43·7	70·4	...	...	7	1	1	1	...	...	1	1	...	3	1,223·6	39·6	31·9	35·6	...	...	26·1	39·6	...	230·1
Patna ...	Patna City ...	...	...	62	12	...	...	...	27·1	15·3	...	...	5	10	4	2	3	6	8	5	3	28	60·3	35·6	12·4	7·2	14·0	10·6	17·9	13·8	11·0	105·4
	Behar ...	...	...	21	9	...	...	...	32·4	30·5	...	...	7	6	3	3	...	...	3	...	7	1	245·1	63·9	25·8	32·5	...	...	22·2	..	100·6	14·5
Gya ...	Gya ...	...	...	47	14	...	...	..	40·7	45·3	...	...	12	7	5	...	2	4	6	6	6	13	348·6	57·3	37·2	...	19·9	14·1	24·5	31·9	47·5	131·3
Shahabad ...	Arrah ...	...	...	12	4	...	...	...	20·1	16·8	...	...	5	3	1	2	1	..	...	1	1	2	201·9	35·2	10·1	23·5	16·5	...	...	11·1	16·8	36·1
	Buxar ...	...	..	7	2	...	...	...	26·2	28·9	...	...	1	...	1	1	1	...	...	2	1	2	125·3	...	25·3	28·3	47·5	...	...	40·0	47·2	96·1
Mozufferpore ..	Mozufferpore	...	...	12	6	...	...	...	20·8	25·0	...	...	6	3	..	1	..	2	1	1	1	3	326·6	38·6	...	13·1	...	12·1	7·5	10·4	16·0	64·1
Durbhanga ..	Durbhanga	...	...	20	18	...	...	...	21·5	53·3	...	...	10	2	4	...	3	3	5	3	...	8	334·0	13·7	26·6	...	38·8	11·7	23·3	21·0	...	130·2
Sarun ..	Chupra ...	...	...	34	2	...	...	..	44·6	8·7	..	..	14	1	1	...	1	1	3	2	1	12	515·9	1·1	8·7	...	15·0	5·6	20·0	17·1	12·6	153·4
Chumparun ...	Motihari ...	. .	..	6	3	...	...	...	44·5	56·3	...	...	1	2	...	...	1	...	1	1	...	3	379·6	105·9	...	...	78·0	...	33·1	48·5	...	237·0
Monghyr ...	Monghyr ...	...	1	45	8	...	...	218·5	52·3	33·1	...	...	7	5	1	3	2	10	4	7	...	15	245·1	41·8	7·4	27·2	27·5	50·3	23·3	57·1	...	217·5
	Jamalpore	...	...	8	2	...	...	...	42·4	33·5	...	...	1	3	1	...	...	...	1	2	1	1	146·5	102·4	30·1	...	...	...	21·6	74·1	75·9	78·0
Bhagulpore ...	Bhagulpore	..	..	23	6	...	..	...	30·8	16·5	...	...	6	4	5	1	2	6	3	3	3	2	217·4	32·1	36·8	7·2	21·0	23·9	14·2	20·4	30·8	24·2
Purneah ..	Purneah ...	...	.	5	3	...	...	...	28·3	27·6	. .	...	..	...	...	1	1	1	1	1	1	2	...	...	...	43·5	52·3	15·8	18·2	28·0	56·5	128·9
Maldah ..	English Bazar	...	...	14	33	..	...	...	100·2	333·5	...	...	2	8	10	2	5	5	2	2	6	5	352·3	437·0	346·4	84·2	244·4	113·2	48·4	70·7	417·1	1369·8
Sonthal Per-gunnahs.	Deoghur ...	..	..	7	..	...	..	...	47·2	...		...	2	.	.	.		1	2	1	...	1	800·0	. .	..	...	...	27·6	64·8	55·5	...	136·1
Cuttack ..	Cuttack ...	.	1	13	4	...	..	28·1	29·4	27·0	...	...	11	4	1	...	...	2	2		2	2	557·5	55·7	10·5	...	...	11·9	17·0	...	33·7	35·3
Poori ...	Poori ...	..	...	41	..	...	...	...	86·9	..	...	...	3	2	4	1	...	2	5	6	9	9	514·9	57·9	92·8	27·7	...	19·7	64·2	93·9	209·5	258·1
Balasore ...	Balasore ...	...	..	8	1	...	...	...	24·7	16·9	...	..	2	...	.	...	...	..	4	1	1	1	196·6	...	...	...	...	...	71·2	23·4	40·6	44·9
Hazaribagh ...	Hazaribagh	...	.	4	3	..	..	...	18·9	37·9	...	...	2	1	...	2	...	...	...	...	1	1	213·6	25·6	...	65·1	...	...	...	...	49·0	62·1
Lohardugga ...	Ranchi ...	. .	. .	7	...	..	2	...	39·5	. .	..	44·1	1	..	...	1	.	2	3	...	2	...	110·6	. .	...	25·7	...	27·3	50·8	...	100·0	..
Singbhum ...	Chaibassa ...	...	.	3	...	.	..	...	30·5	...	...	...	1	.	..	..	...	2	. .	...	...	...	321·0	..	...	...	...	87·4	...	...	...	...
Manbhum ...	Purulia ..	..	1	5	..	.	...	24·8	33·4	.	.			...	...	...	2	1	...	1	2	..	...	...	..	...	125·3	26·1	...	55·9	222·2	...
	TOTAL ...	...	5	9·9	3·6		3	13·7	49·9	39·4	.	32·8	218	145	103	45	69	127	131	121	113	221	295·4	52·8	3[illegible]·5	15·6	28·5	19·7	24·3	32·3	45·9	116·0

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 14th December 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.*,

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 12th December 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 12th December 1891.			Week ending Saturday, the 13th December 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	992	1,15,275	1,757	900	78,450	1,110
Jute	148	83,725	1,443	279	1,70,155	3,000
Firewood	123	74.3'0	1,083	144	85,325	1,282
Other articles	945	2,34,645	3,527	1,130	2,48,520	3.921
Total ...	2,208	5,07,815	7,810	2,453	5,82,450	9,313

NALHATI STATE RAILWAY.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of October 1891, as compared with the same month of the previous year.

Staples	1890.		1891.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1890.	1891.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	1,762	......	185	......	1,762	185	....	1,577
Cotton, raw	6	......	3	....	6	3	......	3
Cotton piece-goods— 1.—European	72	2	10	2	74	12	.....	62
Grains— 2.—Rice	176	27	155	29	203	184	......	19
3.—Gram	......	......	......	2	...	2	2	......
4.—Others	155	18	77	2	173	79	.....	94
Hides and skins— 1.—Hides of cattle— a.—Dressed	......	2	1	4	2	5	3	......
b.—Undressed	....	..	......	2	......	2	2	.....
2.—Skins of sheep, goats, and small animals— a. Dressed	....	......	......	1	......	1	1	......
Jute— 1.—Raw	.....	78	....	59	78	59	....	19
2.—Gunny bags and cloths	...	2	....	1	2	1	......	1
Lac— 1.—Stick	......	......	......	1	....	1	1	......
Leather, manufactured	5	......	5	......	5	5	......	......
Metals— 1.—Copper, unrought	......	......	....	1	....	1	1	......
2.—Iron	....	....	3	......	....	3	3	......
4.—Others	3	6	2	7	9	9	......	......
Oils— 2.—Kerosine	....	..	....	1	......	1	1	....
Oilseeds— 2.—Mustard and rape	44	6	51	......	50	51	1	....
6.—Others	....	....	5	......	....	5	5	....
Provisions— 1.—Ghee	10	....	13	......	10	13	3	......
2.—Dried fruits and nuts . .	2	8	.....	7	10	7	....	3
Railway plant and rolling-stock	52	..	.....	......	52	......	......	52
Salt	54	......	29	......	54	29	...	25
Silk, raw— 2.—Indian	3	5	1	1	8	2	....	6
Silk piece-goods— 2.—Indian	....	4	1	3	4	4	...	......
Spices— 2.—Others	......	......	..	1	......	1	1	......
Stone and lime	9	....	...	....	9	......	......	9
Sugar— 1.—Drained	6	......	4	......	6	4	....	2
2.—Undrained	34	......	8	......	34	8	......	26
Tobacco	....	4	3	2	4	5	1	......
Timber	6	..	9	.....	6	9	3	......
All other articles of merchandise	71	23	49	22	94	71	......	23
Total ...	2,470	185	614	148	2,655	762	28	1,921

Decrease.

	Tons.
Coal	1,577
This is due to less import owing to bad season for failure of cocoons.	
Cotton piece-goods	62
Imported by steamer plying between Calcutta and Azimganj.	
Grains—	
(2) Rice	19
Due to less export on account of local rate being high.	
(4) Others	94
This is due to falling off in roher and khasari colie owing to less demand.	
Jute—	
(1) Raw	19
Carried by steamer.	
Railway plant and rolling-stock	52
Due to less renewals.	
Salt	25
Due to less import to intermediate stations.	
Sugar—	
(2) Undrained	26
Less imported due to less demand.	

R. G. Mookerjee,
Manager, Nalhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY

Approximate Return of Traffic for week ended 5th December 1891, on 1,525½ miles open

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings	Traffic Train-miles run		
	Number of passengers	Receipts	Weight carried	Receipts			Coaching	Merchandise	Total.
		Rs A P	Mds s	Rs A P.	Rs A P	Rs. A P			
Total traffic for the week ..	246,751	2,98 540 8 0	27,44 752 20	6 60 084 10 0	17,551 10 0	9,76 176 12 0	74 652½	99,883	174,534½
Or per mile of railway	.. .	195 11 2		432 11 3	11 8 1	639 14 6	.	...	
For previous 22 weeks of half-year	5,476,105	59,36 365 2 0	4 97,45,192 10	1,18 95,951 0 0	3,45,337 10 0	1,81,77,653 12 0	1,558 948½	2 001,121½	3,560 070½
Total for 23 weeks ..	5,722 836	62,34 905 10 0	5,24,89 944 30	1 25,56 035 10 0	3 62,880 4 0	1 91 53,83) 8 0	1 633 601½	2 101 005½	3,734 6(5
Comparison.									
Total for corresponding week of previous year	243,163	3,14 550 2 9	23 38,207 20	6 42 737 3 0	18,748 13 0	9,76 036 2 9	74 890	88 220	163 119
Per mile of railway corresponding week of previous year		206 3 1		421 5 3	12 4 8	639 13 0		.	..
Total to corresponding date of previous year .	5 312,637	58,61,089 8 4	4,36 02 560 0	1,05 81,157 7 6	3,68,935 11 6	1,68,11,482 11 4	1,517 661	1 768,186	3,285,847

PATNA-GYA STATE RAILWAY

Approximate Return of Traffic for week ended 5th December 1891, on 57½ miles open

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried	Receipts			Coaching	Merchandise	Total.
		Rs A P	Mds s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	*10 168	*5 10[illegible] 10 0	45 23 30	3 018 11 0	11 0 0	8 1[illegible]3 5 0	1 (8[illegible]	707	2 3)
Or per mile of railway	178	89 4 2	7 30 0	[illegible] 12 5	0 13 8	142[illegible] 1 3			
For previous 22 weeks of half-year	302 [illegible]59	1 64 88[illegible] 2 0	10 18[illegible]10 30	[illegible] 071 8 0	782 0 0	[illegible] 642 1[illegible] 0	31 6[illegible]0	15 528	47 192
Total for 23 weeks	312 727	1 (9 991 12 0	10 [illegible] 270 2[illegible]	[illegible] 193 3 0	831 0 0	[illegible] 10 815 15 0	33 [illegible]	16 2 0	49,586
Comparison									
Total for corresponding week of previous year	13 712	7 18 7 2	56 85 30	4 1[illegible]2 7 0	10[illegible] 1[illegible] 3	11,793 5 5	1 677	717	2 394
Per mile of railway corresponding week of previous year	240	131 7 1	980 10	72 12 4	1 13 8	206 0 1			
Total to corresponding date of previous year .	305 157	1 6) 127 10 8	8 30 254 10	54 000 9 0	1 340 13 6	2 25 468 0 4	[illegible]31 7 9	13 748 •	45 467

* The decrease is due to return traffic from Gya on account of moon eclipse on 26th November 1890 and from Sonepore fair.

TARKESSUR BRANCH RAILWAY

Approximate Return of Traffic for week ended 5th December 1891, on 22½ miles open

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated)	Total earnings	Traffic Train-miles run		
	Number of passengers •	Receipts	Weight carried	Receipts			Coaching	Merchandise	Total
		Rs A P	Mds. s	Rs A P	Rs A P	Rs A P			
Total traffic for the week	16 890	4 608 5 0	13,327 20	566 13 0	12 0 0	5 187 2 0	877	121	998
Or per mile of railway		207 1 10		25 7 7	0 8 6	233 2 1			
For previous 22 weeks of half-year . . .	396 878	98,222 2 0	1,60,360 30	6 918 0 0	145 0 0	1 05 285 2 0	19 384	2,166	21,550
Total for 23 weeks ..	413,768	1,02,830 7 0	1,81,688 10	7 484 13 0	157 0 0	1,10,472 4 0	20,261	2,287	22,548
Comparison.									
Total for corresponding week of previous year ..	17,484	4,524 0 0	16 358 30	548 12 0	7 13 6	5,080 9 6	873	95	968
Per mile of railway, corresponding week of previous year ..	..	203 5 3		24 10 7	0 5 8	228 5 6	..	.	...
Total to corresponding date of previous year	395,216½	97,559 8 10	1,73 063 10	6 367 6 0	388 15 5	1,04 315 14 3	20,601	1,333	21,934

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 5th December 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	15,593	11,396 0 0	45,230 30	8,229 2 0	71 0 0	19,696 11 0	6,863½	1,907	8,860½
Or per mile of railway	......	70 5 7	......	50 12 9	0 7 0	121 9 4	......	......	......
For previous 22 weeks of half-year	318,419	2,53,147 14 0	8,66,540 30	1,76,527 7 0	1,338 0 0	4,31,013 5 0	135,576	32,494	168,070
Total for 23 weeks ...	331,012	2,64,544 7 0	9,11,791 20	1,84,756 9 0	1,409 0 0	4,50,710 0 0	142,439½	34,401	176,930½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	... ..	......	......	......

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 5th December 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	193,764	89,800 0 0	5,98,199 0	1,39,140 0 0	11,260 0 0	2,40,200 0 0	25,500	36,300	61,800
Or per mile of railway	253	116 0 0	770 0	179 0 0	†2 0 0	297 0 0	.....	.. ..	.....
For previous 22 weeks of half-year*	3,420,919	15,65,907 0 0	1,42,46,084 0	33,58,147 0 0	3,34,649 0 0	52,58,703 0 0	571,200	775,222	1,346,422
Total for 23 weeks ..	3,623,623	16,55,707 0 0	1,48,44,283 0	34,97,287 0 0	3,45,909 0 0	54,98,903 0 0	596,700	811,522	1,408,222
Comparison.									
Total for corresponding week of previous year	187,177	84,071 0 0	5,64,950 0	1,58,128 0 0	21,285 0 0	2,63,484 0 0	25,318	38,681	63,979
Per mile of railway corresponding period of previous year ...	245	110 0 0	740 0	207 0 0	†4 0 0	321 0 0	. ...	......	......
Total to corresponding date of previous year	3,313,894	14,83,196 0 0	1,43,86,227 0	35,19,020 0 0	4,19,155 0 0	54,21,371 0 0	554,584	787,205	1,341,789

* Audited up to week ending 10th October 1891.
† Excluding steamer's earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 5th December 1891, on 125 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	33,081	10,900 0 0	43,820 0	3,090 0 0	70 0 0	14,060 0 0	3,550	2,000	5,550
Or per mile of railway	265	87 0 0	351 0	25 0 0	.....	112 0 0	.	.....	......
For previous 22 weeks of half-year*	606,478	2,13,083 0 0	11,03,886 0	87,435 0 0	5,029 0 0	3,05,547 0 0	79,958	43,345	123,303
Total for 23 weeks ...	639,559	2,23,983 0 0	11,47,706 0	90,525 0 0	5,099 0 0	3,19,607 0 0	83,508	45,345	128,853
Comparison.									
Total for corresponding week of previous year	33,727	11,222 0 0	37,518 0	2,641 0 0	150 0 0	14,013 0 0	3,890	1,950	5,840
Per mile of railway corresponding week of previous year ...	270	90 0 0	300 0	21 0 0	1 0 0	112 0 0	... ..	......	......
Total to corresponding date of previous year	594,713	2,01,810 0 0	9,41,670 0	76,340 0 0	5,472 0 0	2,83,622 0 0	83,449	42,684	126,133

* Audited up to week ending 10th October 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 5th December 1891, on 86 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs A P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	20,203	6,370 0 0	14,242 0	1,550 0 0	130 0 0	8,050 0 0	2,250	907	3,157
Or per mile of railway	235	74 0 0	166 0	18 0 0	2 0 0	94 0 0	......	......	......
For previous 22 weeks of half-year*	362,085	1,17,607 0 0	4,24,781 0	35,638 0 0	3,590 0 0	1,56,925 0 0	58,446	17,545	75,991
Total for 23 weeks ...	382,288	1,24,007 0 0	4,39,023 0	37,188 0 0	3,720 0 0	1,64,975 0 0	60,696	18,452	79,148
COMPARISON.									
Total for corresponding week of previous year . .	16,401	6 406 0 0	31,970 0	3,313 0 0	199 0 0	9,948 0 0	2,409	1,199	3,608
Per mile of railway corresponding period of previous year ..	191	75 0 0	372 0	39 0 0	2 0 0	116 0 0	......	......	......
Total to corresponding date of previous year	352,630	1,17,274 0 0	5,51,163 0	48,231 0 0	6,239 0 0	1,71,744 0 0	54,845	20,827	75,672

* Audited up to week ending 10th October 1891.

NALHATI STATE RAILWAY

Approximate Return of Traffic for week ended 5th December 1891, on 27¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A P.	Rs. A. P.			
Total traffic for the week	3 153	1,660 0 0	6,3[illegible]8 0	360 0 0	10 0 0	1,4[illegible]0 0 0	541	190	736
Or per mile of railway	116	39 0 0	233 0	13 0 0		52 0 0	.....	.. .	......
For previous 22 weeks of half-year*	64,692	23,305 0 0	2,01,919 0	10,557 0 0	401 0 0	34,213 0 0	11,279	9,359	20,638
Total for 23 weeks	67,845	24,365 0 0	2,08,277 0	10,897 0 0	411 0 0	35 073 0 0	11,825	9,549	21,374
COMPARISON.									
Total for corresponding week of previous year	3 013	1,041 0 0	12 226 0	777 0 0	26 0 0	1 844 0 0	546	599	1,145
Per mile of railway corresponding week of previous year	111	38 0 0	449 0	29 0 0	1 0 0	68 0 0	... ..	. .	.....
Total to corresponding date of previous year . .	69,805	21 740 0 0	2 38 770 0	12,856 0 0	417 0 0	28,013 0 0	12,465	12,601	25,066

* Audited up to week ending 10th October 189[illegible]

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY.)

Approximate Return of Traffic for the week ending 28th November 1891, on 739 miles open.

	Coaching Traffic		Merchandise and Mineral Traffic		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise	Total.
		Rs	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 739 miles open	82 220	34 160	2,93 730	44 180	7,350	85 990	13,595	13,290	26,804
Or per mile of railway .	111 28	46 63	397 47	59 78	9 95	116 36			. .
For previous 20¾ weeks of half-year	1,796,040	7,39,084	57,60,016	6,87,632	1,76,165	*a* 16,02,881	264,247	286,641	*a* 550,888
Total for 21¾ weeks ...	1,878,260	7,73,544	60,53,740	7,31,812	1,83,515	16 88,871	277,842	299,941	577,782
COMPARISON.									
Total for corresponding week of previous year on 690 miles open	210,902	*c* 90,674	*b* 2,29,690	32,669	12,133	1,34 876	18,648	14,048	32,696
Per mile of corresponding week of previous year	301·72	120 72	328·60	45 88	17 36	192 96	.....	. ..	.....
Total to corresponding date of previous year	1,787,876	6,64,952	58,81,571	7 41 004	1,46 378	*d* 15,52,334	264,462	280 403	544,865

a Includes audited figures up to 17th October 1891.
b Approximate figures.
c Increase due to fairs held at Ajodhya and Sonepore.
d Includes Rs. 4 previously less shown in coaching and sundries adjusted in this week.

EARNINGS.

HEADS.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 28th November 1891.	Week ending 29th November 1890.	Week ending 28th November 1891.	Week ending 29th November 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	16,170 0 0	36,942 0 0	18,291 0 0	[illegible] 0 0
Goods	19,520 0 0	11,934 0 0	24,660 0 0	20,18[illegible] 0 0
Other earnings	4,570 0 0	9,003 0 0	2,780 0 0	3,120 [illegible]
Total ...	40,260 0 0	57,877 0 0	45,730 0 0	76,9[illegible] [illegible] 0

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BENGAL VETERINARY INSTITUTION.

REVENUE DEPARTMENT—AGRICULTURE.

Calcutta, the 22nd December, 1891.

RESOLUTION No. 3886Agri.

PROPOSALS for the establishment of a Veterinary School and Hospital in the vicinity of Calcutta have for some time been under the consideration of the Government of Bengal.* The objects which Government have in view in establishing such an institution are the amelioration of the condition of animals, the investigation and treatment of cattle-disease, and the cultivation of veterinary science by means of instruction in connection with the treatment of diseased and injured animals. When the hospital has been constructed and the arrangements of the institution are in working order, it will be open to the drivers of hackney carriages and bullock carts to take their sick and sore animals there for treatment in accordance with such rules as the Committee of management may frame hereafter, on the lines of the arrangements made in Bombay with the Bombay Society for the Prevention of Cruelty to Animals, as suggested by Sir Dinshaw Manockjee Petit, or as may be otherwise determined.

2. It was at first proposed that the school and hospital should be located on part of the grounds occupied by the Pinjrapole Committee at the Sodepur

station of the Eastern Bengal State Railway, ten miles from Calcutta, the Pinjrapole Committee having offered to make a free gift of a portion of them and to contribute Rs. 30,000 to the construction of the necessary buildings. The Committee having since withdrawn their offer, Babu Sheo Baksh Bagla has very generously subscribed and paid to Government Rs. 30,000 in aid of the project, and has also offered (*a*) to give, free of cost, 3½ bighas of land and tank at Belgachia on the Belgachia–Dum-Dum road; (*b*) to make over, on payment, four more bighas required for the whole scheme, the entire area of 7¼ bighas making one compact block with a road-frontage of about 270 feet from east to west, and a depth of 400 feet; and (*c*) not to charge anything for the house, the value of which he states at Rs. 2,500, standing within the area of the 7¼ bighas. As soon as he has completed his transactions for the purchase of the land, Government will issue a declaration, under Act X of 1870, for the acquisition of the whole 7¼ bighas, so that the title of Government to the land may be hereafter secure.

3. Sir Dinshaw Manockjee Petit, of Bombay, has also promised a donation of Rs. 25,000 for the establishment of the proposed hospital.

4. The Lieutenant-Governor desires to thank both these gentlemen for their liberality and public spirit. His Honour is quite willing to meet their wishes in regard to the naming of the contemplated Veterinary Institution as far as he can, and has accordingly decided that it should as a whole be called "The Bengal Veterinary Institution," and the parts thereof (1) "The Kenneth MacLeod Veterinary School," Babu Sheo Baksh Bagla being anxious to commemorate in this way Dr. K. MacLeod's labours in the cause of veterinary science, and (2) "The Sir Dinshaw Manockjee Petit Veterinary Hospital," and that a tablet should be put up with an inscription stating the objects of the Institution and connecting with it the names of the gentlemen above mentioned.

5. The Lieutenant-Governor has been pleased to appoint a Committee, consisting of the following members, to complete the organization of the proposed school and hospital, and for their management when established:—

1. Mr. M. Finucane, Director of the Department of Land Records and Agriculture, Bengal.
2. Babu Sheo Baksh Bagla.
3. Mr. W. B. Gwyther, Executive Engineer—to be also Secretary.

Sir Charles Elliott has inspected the site referred to above, and it appears to him to be conveniently situated, near to but not within Calcutta, and suitable and sufficient for the purposes for which it is required. Mr. Gwyther has drawn out a rough sketch of the buildings, which has been submitted for the opinion of Mr. J. H. B. Hallen, General Superintendent, Horse Breeding Department in India, as to their suitability, their arrangement, &c. As soon as the general plan of the buildings required has been settled, the Committee will have plans and estimates of cost properly prepared and submitted for the approval of Government.

ORDER.—Ordered that copies of the foregoing Resolution be communicated to Mr. Finucane, Mr. Gwyther, Baboo Sheo Baksh Bagla, and Sir Dinshaw Manockjee Petit, for information.

Ordered also that the Resolution be published in the *Calcutta Gazette.*

By order of the Lieutenant-Governor of Bengal,

C. E. BUCKLAND,

Secretary to the Government of Bengal.

RESOLUTION REVIEWING THE REPORTS ON THE WORKING OF MUNICIPALITIES IN BENGAL DURING 1890-91.

MUNICIPAL DEPARTMENT—MUNICIPAL.

Calcutta, the 18th December 1891.

RESOLUTION No. 2896.

READ—

The reports from the several Commissioners of Divisions on the working of the Municipalities in Bengal (except Calcutta) during the year 1890-91.

Read again—

The Resolution reviewing the divisional reports on the working of Municipalities during the year 1889-90.

The following Resolution reviews the reports submitted by Commissioners of Divisions on the working of municipalities during the year 1890-91.

2. *Number of Municipalities.*—The total number of municipalities in existence at the close of the year was 145 against 147 in the preceding year, the Khagoul and Gurwah Municipalities having been abolished during the year. The statement in Appendix A shows the date of establishment of each municipality in the province, the population within municipal limits, and the actual number of rate-payers in each. The average proportion of rate-payers to the whole population within Municipal limits was 17·67 per cent. against 17·9 in the previous year. The decrease is due to the higher population figures of the recent census which have been used in the statements of the majority of municipalities. In many cases, however, the figures of the census of 1881 have been given either for whole divisions or for isolated municipalities, and it is therefore impossible to review the general results of the census in this Resolution.

3. *Elective System.*—The system under which two-thirds of the total number of Commissioners fixed for each municipality are elected by the rate-payers was in force in all the municipalities except the twenty-eight named below:—

Bettiah.	Debhatta.	Lalgunge.
Chanduria.	Jajpore.	Lohardugga.
Chogda	Jamui.	Nalchitty.
Chyebassa.	Jehanabad.	Netrokona.
Colgong.	Jhalda.	Perozepore.
Cox's Bazar.	Jhalokati.	Raghunathpore.
Daltongunge.	Julpigoree.	Roserah.
Darjeeling.	Kendrapara.	Sitamarhi.
Daudnugger.	Khoolna.	Sonamukhi.
	Tikari.	

4. *Results of elections held during the year.*—The third general election of Commissioners under Act III (B.C.) of 1884 took place during the year on the expiry of the term of office of those elected in 1887. Elections were held in 113 Municipalities, and in the great majority of cases were contested with some spirit. The figures given are not altogether complete, as in some cases votes were not counted, and in others the results have not been reported; but in the Municipalities for which figures are forthcoming, the percentage of registered voters who actually gave their votes was 39·4 against 33·8 in the general elections of 1887.

This increase in the number of persons who actually voted may be regarded as a sign of progress, but the Lieutenant-Governor notices that in many towns the proportion of voters who appeared at the polls was so small as to deprive the elections of all value as a test of public feeling, and several local officers report that even where considerable excitement was aroused by the elections, these were fought on purely personal grounds and without any

trace of intelligent public feeling. The best attendance of voters was at Birnagore in the Nuddea district, where 361 voters out of a total electorate of 373, or 96·7 per cent. of the whole voting power of the Municipality, were present at the polls: at Serajgunge out of 664 registered voters 600, or 90·3 per cent., actually gave their votes. The Commissioner of the Presidency Division reports that interest in the elections is confined to the lower middle class, the upper and higher middle classes standing aloof, while in some cases the votes of the lower class of electors were obtained by improper influence. The Lieutenant-Governor has reason to believe that this account of the state of affairs is not altogether exaggerated. The remedy seems to lie in raising the standard of electoral qualification—a question which is separately receiving His Honour's consideration in connexion with the amendment of the Municipal Act. There were several cases of disputed elections, but in no case were the objections raised sufficient to invalidate the proceedings. At Serampore, by an error in counting, the candidate who had obtained the smaller number of votes was declared elected. The Advocate-General having held that nothing could invalidate this declaration, the opposing candidate was appointed to the Municipal Board as a nominee of Government.

5. The chief point calling for notice which arose from the general elections was the question of the status of the Municipal body between the time of the elections and that of the appointment of the fresh body of Government nominees. Under the present law it would seem that the old body of Commissioners ceases to have a corporate existence as soon as the elections are declared, while the new body is not complete until the Government appointments have been notified, and the consequence has frequently been a more or less prolonged suspension of the Municipal business. It has also been brought to the Lieutenant-Governor's notice that the present practice of holding the general elections in the cold weather, which is the time at which Municipal works should be carried out, is prejudicial to the public interests. These questions are being separately considered by His Honour.

6. The following statement shows, Division by Division, the constitution of the Committees of the various municipalities at the close of the year:—

Division.	Nominated.	Elected.	Total.	Europeans.	Natives.	Government servants.	Zemindars or other land-holders.	Pleaders and mukhtears.	Planters.	Merchants, traders and money-lenders.	Medical practitioners.	School-masters (other than Government servants).	Government pensioners.	Unspecified.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Burdwan	138	222	360	21	339	44	71	87	...	53	40	9	22	35
Presidency	223	334	557	25	532	94	171	87	...	60	52	26	27	40
Rajshahye	86	98	184	34	150	52	28	33	8	10	15	...	...	38
Dacca	107	108	215	12	203	30	51	71	...	15	9	14	3	22
Chittagong	32	40	72	7	65	17	10	26	8	...	...	2	1	8
Patna .. .	175	187	362	30	332	58	88	94	2	53	7	5	3	52
Bhagulpore	70	94	164	23	141	27	26	34	...	27	3	...	5	42
Orissa	44	31	75	8	67	23	17	19	...	1	...	5	6	4
Chota Nagpore ..	69	40	109	13	96	23	8	40	...	18	2	2	3	13
Total	944	1,154	2,098	173	1,925	368	470	491	18	236	128	63	70	254
Percentage	45·0	55·0	...	8·2	91·8	17·5	22·4	23·4	·8	11·2	6·1	3·0	3·3	12·1

In January last the Commissioners of Divisions were asked to furnish in their Annual Reports detailed information regarding the profession or occupation of the gentlemen serving as Commissioners of Municipalities. The information was, however, omitted in several of the Divisional Reports and had to be obtained by subsequent reference, while the totals of figures furnished in many cases do not agree with those entered in Form No. I. The Lieutenant-Governor hopes that in future the required information on this head may be correctly given in the Annual Reports. The following table compares the percentages of

officials and Europeans respectively on the total number of Commissioners during 1890-91 with the corresponding percentages of the previous year, and with the average of the five years 1884-85 to 1888-89:—

	Officials.	Europeans.
Average percentage for the years 1884-85 to 1888-89	16·4	9·9
1889-90	16·1	9·9
1890-91	17·5	8·2

7. *Attendance at meetings.*—The largest number of meetings during the year in any municipality was 35, held by the Municipal Commissioners of Cutwa. In each of the following 22 municipalities the number of meetings exceeded 20:—

DISTRICT.	Name of Municipality.	Number of meetings.	Average percentage of attendance.
Burdwan ...	Cutwa ...	35	48·3
	Burdwan ...	34	53·6
Maldah .	English Bazar . .	31	21·2
Hooghly ...	Serampore ...	27	59·4
Howrah ...	Howrah ...	27	43·3
Khoolna ...	Satkhira ...	27	41·6
Pooree ...	Pooree ...	26	47·0
Howrah ...	Bally ...	25	68·2
Chittagong ...	Chittagong ...	25	50·3
Nuddea ...	Santipore ...	24	51·2
Tipperah ...	Comilla ...	23	48 7
Nuddea ...	Kumarkali ...	23	46·6
Mymensingh ...	Nasirabad ...	22	52·7
Dacca ...	Dacca ...	22	42·4
24-Pergunnahs ...	Maniktolla ...	22	38·2
Hooghly ...	Baidyabatty ...	22	36·1
Furreedpore ..	Madaripore ...	21	67 4
Midnapore ...	Chunderkona ...	21	57·5
Manbhoom ...	Purulia ...	21	50 7
Mymensingh ...	Kisoregunge ...	21	46 6
Moorshedabad ...	Jungipore ...	21	38·1
Jessore ...	Jessore ...	21	38 0

On the other hand, in the Utterpara and Barh Municipalities only three meetings were held, and only four each in Kotrung, Cox's Bazar, and Jugdispore, while in no less than 48 municipalities the number of meetings was less than 12. Section 38 of the Act provides that the Commissioners of a municipality shall meet at least once every month for the transaction of business (if there be any business to transact), and the Lieutenant-Governor cannot believe that in any

municipality less than twelve meetings is compatible with a proper performance of their duties by the Commissioners. During the year 1889-90 more than 20 meetings were held in 27 municipalities, and in only 26 were there less than twelve: there has therefore been a great falling off, which though possibly due in some measure to the suspension of municipal business on account of the elections, cannot be regarded as satisfactory.

In 83 municipalities as against 82 in 1889-90, the average attendance of Commissioners at the meetings exceeded 50 per cent. It is probable that these figures also were unfavourably affected by the apathy produced by the near approach of the elections, but the Lieutenant-Governor does not consider that any circumstances can justify an average attendance of less than half the members of the Committee, and he hopes to see an improvement in this respect on the part of the Commissioners newly elected and appointed.

Sir Charles Elliott regrets to observe that the Magistrate of Maldah reports that while the elected Commissioners gave much time and trouble to their duties, the Commissioners nominated by Government displayed no interest in municipal affairs. If this state of things continues, the Magistrate should call upon these gentlemen to resign their offices and nominate more energetic representatives of Government.

8. *Ward Committees.*—The Lieutenant-Governor is disappointed to find that ward committees have been appointed in only 12 municipalities, and that in only one of these, Rampore Beauleah, are they said to have done any useful work, while in Patna the ward committees are alleged to have made such bad use of the powers conferred upon them, that these powers have been withdrawn by the Municipality. In His Honour's opinion ward committees should be the mainstay of municipal administration by helping the executive in the many matters that require local information and cannot be decided by the Commissioners at a meeting, and in relieving the Chairmen and Vice-Chairmen of many of the executive functions which they have not the time or the special knowledge to carry out properly. Care must at the same time be taken that no functions are delegated to ward committees which can be better exercised by the Chairman as the executive head of the entire body of Commissioners.

9. The Municipal Benches in the Province tried 19,668 cases of nuisance and breach of conservancy rules in which 17,689 persons were convicted against 16,604 cases and 14,730 persons convicted in the previous year. The average amount of fines inflicted on each offender varied from Rs. 6-12-4 in the Daudnagar Municipality in the Patna Division down to Re 0-2-9 in the Dainhat Municipality in the district of Burdwan. The following statement shows the work done in detail:—

DIVISION.	Name of Municipality.	Number of cases tried.	Number of persons convicted	Number of persons acquitted.	Number of persons remaining under trial at the close of the year.	Amount of fines inflicted.			Amount of fines realised.		
						Rs.	A.	P.	Rs.	A.	P.
Burdwan ...	Burdwan ...	674	496	93	2	313	13	0	307	10	0
	Culna ...	67	53	14	...	36	14	0	36	11	0
	Cutwa ...	18	14	5	8	2	13	0	2	13	0
	Dainhat ..	20	13	7	...	2	4	0	2	4	0*
	Kaneegunge ..	59	59	...	...	17	6	0	17	6	0
	Hooghly and Chinsurah.	120	117	5	...	193	10	0	182	10	0
	Serampore ..	79	61	18	...	94	3	0	94	3	0
	Utterpara ..	106	104	2	...	121	1	0	121	1	0
	Baidyabatty ...	122	109	13	...	168	3	0	168	3	0
	Bhuddressur ...	76	76	7	...	72	9	0	72	9	0
	Kotrung ...	14	14	2	...	5	8	0	5	8	0
	Bansberiah ...	82	72	6	4	27	7	0	27	7	0
	Howrah ...	3,901	3,763	251	2	9,896	3	0	5,906	9	6
	Bally ...	134	121	27	...	88	6	0	86	6	0
	Midnapore ..	243	176	89	1	148	9	0	147	1	0
	Tumlook ...	241	223	19	...	112	12	0	112	12	0
	Ghatal ..	30	35	..	...	12	0	0	12	0	0
	Chunderkona ...	58	61	6	1	25	12	0	25	12	0
	Total ...	5,944	5,567	564	18	11,339	5	0	7,328	13	6

* Includes outstanding fines of the previous year.

Division.	Name of Municipality.	Number of cases tried.	Number of persons convicted.	Number of persons acquitted.	Number of persons remaining under trial at the close of the year.	Amount of fines inflicted.			Amount of fines realised.		
						Rs.	A.	P.	Rs.	A.	P.
Presidency ...	North Dum-Dum ...	31	31	...	...	31	[illegible]	0	31	0	0
	South Dum-Dum ...	84	81	3	...	114	0	0	113	3	0
	Joynagore ...	91	81	16	1	103	7	6	103	7	6
	Goverdanga ...	2	2	...	...	5	8	0	5	8	0
	Barripore ...	162	128	6	27	128	14	6	124	14	6
	Rajpore ...	198	186	12	Nil	215	8	0	210	4	0
	South Barrackpore ...	115	104	10	1	116	8	0	(a)137	2	0
	South Suburban ...	182	171	11	...	294	0	0	294	0	0
	Baranagore ..	60	30	30	1	36	10	0	36	10	0
	North Barrackpore ..	293	223	70	...	246	6	0	246	6	0
	Kumarkhally ..	110	110	8	2	(Not given)					
	Ranaghat ...	129	110	19	...	72	8	0	70	10	0
	Santipore ...	158	130	28	...	98	10	9	98	10	9
	Birnagore ...	68	51	17	...	18	3	0	18	3	0
	Nuddea ...	324	287	37	...	61	1	0	61	1	0
	Krishnaghur ..	154	130	22	2	148	6	0	148	6	0
	Jessore ...	215	162	32	21	412	15	3	399	15	3
	Kotechandpore ...	35	24	15	...	33	14	0	33	14	0
	Moheshpore ..	47	43	8	...	49	12	0	49	12	0
	Berhampore ...	147	123	21	7	72	11	0	72	11	0
	Total ...	2,605	2,207	365	62	2,259	15	0	2,255	10	0
Rajshahye ...	Nattore ..	19	17	2	...	17	0	0	17	0	0
	Sherepore ...	28	26	1	1	39	0	0	(a)44	0	0
	Total ...	47	43	3	1	56	0	0	61	0	0
Dacca ...	Dacca ...	730	570	207	4	446	10	0	(a)452	14	0
	Narainguṅge ...	92	75	18	5	171	3	0	171	3	0
	Furreedpore ...	18	17	1	...	15	0	0	15	0	0
	Burrisal ...	12	6	6	5	11	4	0	11	4	0
	Total ..	852	668	232	14	644	1	0	(a)650	5	0
Chittagong ...	Chittagong ..	85	75	11	15	161	9	0	161	9	0
Patna ...	Bankipore ... Sadiqpore ... Jhaugunge ...	3,355	3,141	227	7	1,452	8	6	1,447	8	6
	Barh ...	272	266	6	...	108	7	0	108	7	0
	Gaya ...	574	464	108	2	1,013	10	6	945	9	0
	Tikari ...	72	73	20	...	149	10	0	140	8	0
	Daudnagger ...	19	13	6	..	88	0	0	88	0	0
	Arrah ...	717	501	316	4	464	6	0	464	6	0
	Mozufferpore ..	1,154	1,090	68	...	384	4	6	384	4	6
	Durbhunga ...	1,406	1,289	209	...	239	11	9	239	11	9
	Madhubani ...	448	463	10	...	151	6	0	151	6	0
	Roserah ...	213	185	35	...	51	8	0	51	8	0
	Revelgunge ...	92	114	37	7	225	0	0	225	0	0
	Total ...	8,322	7,599	1,042	20	4,328	8	3	4,256	5	3
Bhagulpore	Monghyr ...	336	265	97	...	937	7	0	937	7	0
	Jamalpore ...	19	12	7	...	5	4	0	5	4	0
	Bhagulpore ...	1,063	915	154	1	287	7	0	287	7	0
	Colgong ...	259	232	21	14	127	8	0	(a)131	8	0
	Sahebgunge ...	136	106	30	...	85	13	0	85	13	0
	Total ...	1,813	1,530	309	15	1,443	7	0	1,447	7	0
	GRAND TOTAL ...	19,668	17,689	2,526	145	20,232	13	3	16,161	1	9

10. *Assessments.*—The statement in Appendix D shows the mode of assessment prevailing in each municipality in the province, the rate at which the tax on holdings or on persons according to their circumstances and property within municipal limits was levied, and the result of any revision of assessment made during the year. The tax on holdings was in force in 36 municipalities* as in the previous year, and was levied at rates below the maximum (ordinarily 7½

*Burdwan	Division ...	8
Presidency	" ...	7
Rajshahye	" ...	2
Dacca	" ...	2
Chittagong	" ...	1
Patna	" ...	10
Bhagulpore	" ...	5
Orissa	" ...	1
Total	...	36

(a) Includes outstanding fines of the previous year.

per cent. per annum on the annual value of holdings) in the following 12 towns against 13 in the previous year:—

Name of Division.	Name of Municipality.	Rate of tax.	
Burdwan ...	Hooghly and Chinsurah ...	6¼	
Presidency ...	Krishnaghur ...	6	
	Ranaghat ...	6¼	
	Santipore ...	6¼	
Rajshahye ...	Darjeeling ...	7	The legal maximum in these municipalities is 10 per cent.
Dacca ...	Dacca ...	8	
	Naraingunge ...	6	
Bhagulpore ...	Monghyr ...	6¼	
	Jamalpore ...	7	
	Bhagulpore ...	5	
	Purneah ...	6	
	Sahebgunge ...	5	

Out of the twelve municipalities named above, seven are the head-quarters stations of important districts, and the inhabitants may be supposed to be well able to bear the maximum rate of taxation leviable under the law. As long as the Municipal Commissioners of thriving towns so far neglect the means ready to hand of raising the funds required for much needed improvements, the Lieutenant-Governor cannot admit the plea of financial inability so often put forward as an excuse for inaction in the most important duties of a Municipal Committee. It is satisfactory to find, however, that the rate was raised in Monghyr from 6 to 6¼ per cent., in Sahebgunge from 3¾ to 5 per cent., and in Sewan from 7 to 7½ per cent., and the Lieutenant-Governor trusts that the other municipalities will follow this good example. The incidence of municipal taxation per head of population in the several Divisions was as follows:—

Division.	Incidence of Taxation.						Remarks.
	Maximum.		Minimum.		Average.		
	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Burdwan ...	2 8 0	2 3 3	0 2 11	0 3 2	1 2 10	1 2 6	
Presidency ...	2 1 6	2 0 5	0 4 7	0 4 6	0 10 11	0 12 0	
Rajshahye ...	4 7 7	4 9 1	0 9 8	0 10 3	1 5 1	1 5 11	
Dacca ...	2 3 2	2 0 11	0 3 5	0 3 4	0 15 6	0 15 0	
Chittagong ...	1 1 9	1 0 4	0 4 7	0 3 9	0 11 9	0 11 8	
Patna ...	0 12 1	0 13 9	0 2 7	0 2 4	0 7 4	0 8 4	
Bhagulpore ...	1 2 2	0 14 8	0 5 0	0 4 8	0 10 8	0 9 8	
Orissa ...	0 12 10	0 11 11	0 4 1	0 4 8	0 9 5	0 8 10	
Chota Nagpore ...	0 10 8	0 9 0	0 5 6	0 4 2	0 7 0	0 6 10	
Average total for the Province ...	...	...	...	...	0 11 11	0 11 11	

A general or partial revision of assessment was undertaken in several municipalities, and among those in which it was completed and brought into force during the year, the revision resulted in an increase of income in 39 and a loss in 11 municipalities. In some cases the operations were not completed during the year, and in others it was proposed to enforce the new assessments with effect from 1st April 1891. The largest increase of income accrued to the Municipalities of Gya (Rs. 4,000), Durbhunga (Rs. 3,212, out of an expected increase of Rs. 6,000), Burrisaul (Rs. 2,683), Sahebgunge (Rs. 1,400), Manicktolla (Rs. 1,324), and Berhampore (Rs. 1,300). The average incidence of municipal taxation throughout Bengal (excluding Calcutta) was annas eleven and pie eleven as in the previous year, and in 72 municipalities (none in the Rajshahye Division) the incidence amounted to 8 annas or less per head against 67 in the preceding year. The subject of municipal assessment and its periodical revision is at present separately under the consideration of Government, and it is needless to review it at any length in this Resolution.

11. *Demands, collections and outstandings on account of taxes.*—The attention of Municipal Commissioners has been frequently drawn to the necessity for realising taxes promptly and for arranging the collections on such a system as shall guard against the accrual of long-standing arrears, and shall protect the Municipalities against loss from embezzlement by the collecting agency. In order to secure this object definite instructions were laid down during the year in the shape of rules forming an appendix to the general rules for keeping

Municipal accounts. One of these rules requires Municipalities to submit every year, in the month of June, a taxation report through the Magistrate of the district to the Commissioner of the Division in the form of a combined progress statement for the Municipality, and if there are outstandings extending further back than the first quarter of the previous year, to furnish a full explanation why these taxes have not been either collected or remitted. The Commissioner of the Division is to submit these explanations to Government for orders with his remarks. In the Divisional Reports now under review, the information given under these heads is not sufficiently complete to enable any general figures to be prepared. From figures furnished by the Commissioners of the Burdwan, Rajshahye, and Chittagong Divisions, it appears that the realizations in those Divisions amounted respectively to 76·4, 90·9, and 73·7 per cent. of the nett demand, and the remissions to 2·6, 3·6, and 2·7 per cent., after deduction of remissions for the year. The Commissioner of Burdwan reports that in the Baidyabati Municipality the remissions granted amounted to 19·5 per cent. of the total demand. The Commissioner has already called for an explanation of these figures, and the explanation when received should be submitted to Government. From the reports received it would appear that the collection of taxes is hardly in a more satisfactory condition than the assessments. The Commissioner of Burdwan reports that in the Hooghly and Chinsura, and Midnapore Municipalities there are arrears of five and six years' standing, and the Commissioner of Chittagong observes that in the Chittagong Municipality arrears as far back as 1882 are still unrealized, and that it is stated that the Municipality has of late years lost from Rs. 600 to Rs. 1,000 yearly, owing to want of supervision over the tax-collecting department. The lack of real control over the collection of taxes is shown in many municipalities by the excuses put forward for insufficient realizations during the year, such, for instance, as that the time of the tax-darogahs was taken up by duties in connection with the elections or the census, or that the tax-collector was on leave or under suspension. The Lieutenant-Governor hopes that the rule referred to above will effect an improvement in this department, and that the next Annual Reports will contain a more satisfactory account of the administration of the tax-collecting branch of Municipal business. The work of constantly supervising and checking the operation of the collecting staff devolves more especially upon the Vice-Chairman, whose duties are laid down in the account rules, and the Lieutenant-Governor will look to these gentlemen to see that in future the routine of collecting current and arrear demands is arranged on an intelligent system in the first instance, that that system is carefully followed, and that the instructions issued by the local auditor for dealing with old arrears are fully carried out. The Vice-Chairman of a Municipality may fairly be expected to devote as much care and attention to the supervision of the Municipal finances as he would give to his own affairs, and if he cannot find time to look after the accounts properly, it is his duty to resign his post to some one with more leisure to attend to the details of one of the most important branches of Municipal business. From the taxation reports separately submitted by the Commissioners of the Patna and Orissa Divisions, in accordance with the rule mentioned above, it appears that the Municipal Commissioners are carefully carrying out the instructions therein laid down, and it may be hoped that heavy arrears will not be allowed to accumulate in the future. The Lieutenant-Governor notices with satisfaction that in the small Municipality of Kendrapara in the Orissa Division there was no arrear for the year under review, and that in Balasore and Bhabooah there were only very small outstandings, and those were due only for the third and fourth quarters of the year, and were in course of collection.

12. *Fresh imposts levied during the year.*—Sanction was given to the levy of a tax on horses and elephants in the Tangail Municipality, and to the imposition of a fee on the registration of the carts kept or habitually used within the Municipalities of Kishoregunge, Ranchi, Lohardugga and Purulia. Sanction was also accorded to the levy by the Commissioners of the Cutwa, Soory, Khulna, Kishoregunge and Berhampore Municipalities of fees for the cleansing of private latrines within the respective municipalities. It is, however, reported that there is a general dislike on the part of Municipal Commissioners to anything of the nature of increased taxation.

13. *Extension of various provisions of the Municipal Act and Bye-laws sanctioned during the year.*—The conservancy and other provisions of Part VI of the Act, or portions of them, were extended during the year to Ghattal, Kharar, and Kandi Municipalities.

Part IX of the Act, which regulates the construction and cleansing of latrines, was extended to the Municipalities of Cutwa, Soory, Khulna, Kishoregunge, Berhampore, and parts of Burdwan. Although these provisions were extended to Bankura in 1889, no action, it is reported, has yet been taken by the Commissioners in the matter. The reasons why the provisions are not being actually enforced in the town are not explained, and the Commissioner of Burdwan will be asked to submit a report on the subject.

Part X, which contains provisions for the regulation of markets, was extended to Julpigoree; but the Commissioners have kept its operation in abeyance for the present.

Bye-laws were framed under section 350 of the Act by the Commissioners of the following municipalities, and were confirmed by Government:—

Ghattal.	Daltongunge.	Durbhunga.
Joynagore.	Darjeeling.	Soory.

14. *Revision of Municipal boundaries.*—In the Burdwan Division the boundaries of the Raneegunge Municipality were revised so as to include two adjoining villages in the municipal limits. A portion of the town of Jungipore in Moorshedabad having been washed away by the river on which it stands, the boundaries were extended so as to include two villages within the Municipality. A case has recently come to the Lieutenant-Governor's notice; in which it was found that a village which had been recommended by the Municipal Commissioners of the Debhatta Municipality and by the local officers for inclusion within that municipality contained a population which was more than three-fourths agricultural, and that the proposal could not therefore, under the terms of section 11 of the Act, be lawfully entertained. His Honour has reason to believe that Municipal Committees are not always sufficiently careful, when recommending the extension of the Act to outlying villages, to assure themselves that the conditions laid down by the law are fulfilled, and desires that in future local officers will not forward such proposals without first satisfying themselves on this point. As the law at present stands, no village which has been included within municipal limits can be withdrawn from the operation of the Act except on the recommendation of the Commissioners at a meeting.

15. *Income and expenditure.*—The following table compares the opening balances, income, expenditure and closing balances of municipalities, Division by Division, for the year 1890-91, with those of the preceding year:—

Division.	Opening balance.		Income during the year.		Total funds available for expenditure.		Total expenditure.		Closing balance.	
	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.	1889-90.	1890-91.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Burdwan ...	82,947	68,665	6,41,058	6,96,035	7,24,005	7,64,700	6,56,816	7,04,053	67,189	60,047
Presidency ...	56,041	74,955	5,12,323	5,65,671	5,68,364	6,40,626	4,93,493	5,49,082	74,871	91,544
Rajshahye ...	33,105	38,027	2,76,258	2,88,000	3,09,363	3,26,027	2,71,462	2,81,330	37,901	44,697
Dacca ...	24,634	42,825	3,34,230	3,92,444	3,58,864	4,35,269	3,16,039	3,70,179	42,825	65,090
Chittagong ...	3,285	5,396	67,712	71,431	70,997	76,827	65,601	64,433	5,396	12,394
Patna ...	49,344	47,679	4,82,101	4,72,157	5,31,445	5,19,836	4,83,761	4,74,895	47,684	44,941
Bhagulpore ...	84,535	25,560	1,83,515	1,87,737	2,68,050	2,13,597	2,42,193	1,91,048	25,857	22,549
Orissa ...	1,868	3,635	6,786	86,320	88,654	89,955	85,019	84,565	3,635	5,390
Chota Nagpore ...	10,643	11,220	63,519	64,409	74,162	75,629	63,127	61,339	11,035	14,290
Total ...	3,46,402	3,18,262	26,47,502	28,24,204	29,93,904	31,42,466	26,77,511	27,81,524	3,16,393	3,60,942

There is a total discrepancy of Rs. 1,869 between the opening balance of 1890-91 and the closing balance of the previous year. This is due mainly to the accounts of the Ramjibunpore Municipality, which show a difference of Rs. 1,550 owing to the fact that the sum of Rs. 1,500 invested in Government securities and Rs. 50 paid as advance on account of departmental work

during the previous year was added to the opening balance of the year under review. The other small discrepancies have been explained by the local officers. In many municipalities the closing balance seems to be unduly large, in view of the admitted need of sanitary and other works and the plea of poverty which is constantly put forward as an excuse for delay in undertaking them.

16. *Income.*—From the above table it will be seen that there was a total increase in the income of municipalities in Bengal of Rs. 1,76,702. Nearly a lakh of this, however, accrued under debt heads, including loans, deposits, advances and sinking fund payments, which amounted to Rs. 2,88,144 against Rs. 1,87,051 of the previous year. The income from taxation proper is compared, Division by Division, with that of the previous year in the table below:—

Year.	Name of Division.									
	Burdwan.	Presidency.	Rajshahye.	Dacca.	Chittagong.	Patna.	Bhagulpore.	Orissa.	Chota Nagpore	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1889-90	5,07,501	3,87,817	1,68,252	2,23,819	45,148	3,58,813	1,40,136	65,884	38,541	19,35,911
1890-91	5,43,474	4,19,602	1,76,072	2,10,760	49,737	3,56,439	1,29,983	67,704	38,189	19,91,960
Increase (+) or decrease (—) ...	+35,973	+31,785	+7,820	—13,059	+4,589	—2,374	—10,153	+1,820	—352	+56,049

The increase and decrease of income under this head during each of the last two years is shown in the following table:—

Division.	Increase (+) or decrease (—).		Total.	Remarks.
	1889-90.	1890-91.		
Burdwan ...	+ 7,318	+35,973	+43,291	* *Vide* paragraph 13 of resolution for 1889-90.
Presidency ...	Not known*	+31,785	+31,785	
Rajshahye ...	+7,371	+7,820	+15,191	
Dacca	—8,739	—13,059	—21,798	
Chittagong ...	—6,177	+4,589	—1,588	
Patna	+36,730	—2,374	+34,356	
Bhagulpore ...	+1,826	—10,153	—8,327	
Orissa	+11,172	+1,820	+12,992	
Chota Nagpore ...	+8,003	—352	+7,651	

The Lieutenant-Governor notices with satisfaction the continued progress shown by the municipalities in the Burdwan, Rajshahye, and Orissa Divisions. As regards the Patna Division, which last year showed the largest increase of income under this head, the Commissioner reports that the decrease occurs in the districts of Patna, Shahabad, Durbhunga and Chumparun, but chiefly in the first two districts. In the Patna Municipality there is a noticeable decrease under the head "House-tax" and "Latrine-tax," said to be due to an increase in the number of appeals and applications for exemption and revision of assessment and delays in disposing of them on the part of the Appeal Sub-Committee, to the prevalence of sickness in the town, and to the employment of tax-collectors in the late general elections and again on census

work. The last-mentioned reason applies equally to almost all the municipalities, and as already remarked in paragraph 10, the Lieutenant-Governor cannot admit it as a valid excuse for the neglect of the most elementary duties of municipal administration. The employment of municipal servants in connection with the general elections would seem to require explanation. In Dacca there has been a large falling off in the income from taxation during both the years, and here the fault seems to lie in the assessments, a point which has already been discussed, and which His Honour considers to be one of the vital questions of municipal government. No explanation is furnished by the Commissioner of Bhagulpore of the decline in the income from taxation in his Division. The Lieutenant-Governor desires that in comparing the income of municipalities during the year with that for the previous year, the income from taxation proper should always be separated from that from miscellaneous sources, and any appreciable fluctuations explained in the Commissioners' reports.

17. The statement in Appendix E shows the details of income under each head, Division by Division, as compared with that of 1889-90. The total receipts from the municipalities show an increase under the following heads:—

Heads of Revenue.		Amount of increase.
Taxation—		Rs.
Conservancy cess		47,519
Tax on houses and lands		4,778
Water tax		1,947
Tax on carriages and animals		13,331
Tolls on roads and at ferries		2,785
Total Taxation ...		70,360
Miscellaneous		19,560
Debt—		
Loans	79,000	
Deposits and advances ...	22,093	
		1,01,093
Total ...		1,91,013

On the other hand, there was a decrease under the following heads:—

Heads of Revenue.	Amount of decrease.
Taxation—	Rs.
License on trades	3,209
Tax on persons according to their circumstances and property	9,879
Fees on musical processions	1,223
Total ...	14,311

18. *Conservancy Cess.*—The increase in the receipts occurred chiefly in the Burdwan, Presidency, and Rajshahye Divisions. There was a large increase of income, as compared with 1889-90, of Rs. 16,937 in Howrah, Rs. 3,474 in Serampore, Rs. 2,710 in Maniktolla, Rs. 2,182 in Baranagore, and Rs. 2,124 in the South Suburban Municipality. The increase was due in Serampore partly to the enforcement for the first time of the provisions of Part IX of the Act in certain portions of the town, and in other places to increase in demands on account of new assessments and collections of arrears. The tax was levied for the first time in the Municipalities named in the margin,* and brought an accession of income as noted against the name of each.

	Amount of tax realized.
	Rs.
*Bally	1,083
Ranigunge ...	1,009
Soory	1,697
Khoolna	2,814
Berhampore ...	9,984
Dinagepore ...	4,045
Motihari	816

The Municipalities of the Presidency Division all show an increase of income under this head, with the exception of Krishnaghur and Jessore, where the decrease was only nominal, whilst those in the Dacca Division show a falling off (except Barisal, where there was an increase of Rs. 771). In the Municipality of Dacca there was a large falling off of Rs. 4,339 attributed to the collections of the previous year having included a large arrear, and to the employment of tax collectors on census work.

In Patna the income derived from this source has fallen from Rs 12,421 in 1887-88 to Rs. 8,992 in the past year. The tax is in force only in two wards of the city, and in these its proceeds have been continually reduced in consequence of the Commissioners exempting from tax houses which have no privies. The result has been that a constant abolition of privies has been going on ever since, and collections have been interfered with by the increasing number of applications for exemption. At a recent meeting the Municipal Commissioners of Patna resolved, in accordance with the opinion of the Advocate-General given on the corresponding section of the Latrines Act, VI (B C.) of 1878, to levy latrine tax on all premises on which house tax is levied Measures will be taken when the Municipal Act is amended to remove any uncertainty that may exist on this point.

19. *Tax on houses and lands.*—There was an increase under this head as compared with the previous year in the Divisions of Burdwan (Rs. 8,036), Presidency (Rs. 10,353), and Chittagong (Rs. 5,076), whilst there was a falling off of Rs. 6,553 in the Dacca Division, Rs. 8,725 in Patna, and Rs. 3,957 in the Bhagulpore Division. Although the figures against Burdwan show an increase in the aggregate, the increase was actually shared by the municipalities of Howrah (Rs. 11,565), and Bally (Rs. 1,218), whilst in the rest of the municipalities in the Division, where the tax is levied, the revenue fell off. In the Presidency Division the three Municipalities of Cossipore-Chitpore, Maniktolla, and South Suburbs show an increase of Rs. 2,829, Rs. 7,678, and Rs. 2,903 respectively, whilst all the rest show a small falling off of revenue. In the Chittagong Municipality the income rose from Rs. 7,804 in 1889-90 to Rs. 12,862 in 1890-91. The municipalities named in the margin show a large falling off of income. In the case of Patna there can be little doubt that the town is greatly under-assessed. The system under which appeals against assessment were received and disposed of by Ward Committees was distinctly adverse to sound assessment, and it is stated that at the elections of December 1890 several Commissioners sought election on pledges to reduce taxation. The assessment of some portions of the town was revised during the past year, but the revision did not add to the Municipal income, as in almost all cases where the valuation was raised the Appeal Sub-Committee reduced it. The decrease of Rs. 5,530 in Dacca is attributed to the same causes that were mentioned in the last paragraph as having affected the collections of conservancy cess. Although there are no Ward Committees, the Ward Commissioners make assessments, and the existing valuation is believed to be very unequal.

Name of Municipality.	Amount of decrease. Rs.
Dacca	5,529
Patna	6,264
Jamalpore (Monghyr) ...	3,223
Hooghly and Chinsurah	1,933
Serampore	1,158

20. *Water-rates.*—Water-rates were levied only in Burdwan and Darjeeling, as in the previous year. There was an increase of Rs. 1,705 in Burdwan and a small increase of Rs. 242 in Darjeeling. The increase in Burdwan was due to the raising of the rate from 4½ per cent. to 5 per cent. on the annual value of holdings. No water-rate was levied at Bhagulpore, but the town has been assessed for a water-rate during the current year.

21. *Tax on carriages and animals.*—There was an appreciable increase of income in the Municipalities of Patna (Rs. 3,807), Baidyabati (Rs. 1,943), Maniktolla (Rs. 1,692), Midnapore (Rs. 1,410), Howrah (Rs. 1,334), South Suburbs (Rs. 1,184), and Cossipore (Rs. 1,074), whilst there was a falling off of Rs. 1,095 in Baranagore. All the Municipalities in the Bhagulpore Division show a decrease of income under this head.

22. *Tolls on roads and at ferries.*—As was observed in the Resolution on the Reports of 1889-90, no tolls are levied on any roads in Bengal, and this heading,

therefore, refers only to ferry tolls. There was an increase in the Patna Division of Rs. 5,710, in Dacca of Rs. 1,990, and in Chittagong of Rs. 302, the income having fallen off more or less in the rest of the Divisions, except Chota Nagpore, where no tolls are levied by any of the Municipalities. The Municipalities of Mozufferpore, Dacca, and Revelgunge show the largest increase of income, viz., Rs. 3,842, Rs. 2,605, and Rs. 2,003, respectively. The increase in Mozufferpore was due to the bridge over the Burganduk river not having been repaired by the District Board, which enabled the Municipality to give a lease of the ferry at Akhara Ghât, and thus add considerably to their income. There was a falling off of Rs. 1,420 and Rs. 1,145 in the Lalbagh and English Bazar Municipalities respectively, of which no explanation is given.

23 *Miscellaneous.*—The following Municipalities show the largest fluctuations in the receipts as compared with the previous year:—

Municipality.	Amount of increase.	Municipality.	Amount of decrease.
	Rs.		Rs.
Howrah	16,325	Midnapore	4,196
Burdwan	13,299	Baranagore	3,002
Maniktolla	3,812	Berhampore	2,872
Krishnaghur	3,112	Rampore Beauleah ...	6,831
Khoolna	5,856	Madaripore	7,929
Dacca	2,910	Chittagong	3,932
Nasirabad	6,213	Mozufferpore ...	4,842

In Burdwan the increase consisted of Rs. 1,406 on account of increased receipts from the municipal school, due to the raising of the schooling fees, Rs. 5,000 realized by the sale of municipal debentures, and Rs. 4,298 paid by Babu Banshi Gopal Nandi as the price for the site of a Town Hall. The Khoolna Municipality received a grant of Rs. 6,000 from Government, being part of a special grant of Rs. 50,000 sanctioned for the improvement of the town. The decrease in Rampore Beauleah is only apparent, as the receipts of the previous year included donations from private individuals, amounting to about Rs. 6,000, for the improvement of drainage and water-supply. The old market at Madaripur having been washed away by the action of the Arialkhan river, the Municipality acquired a new site and re-established a market in 1889-90. The lands so acquired were let out to the merchants and shop-keepers on payment of heavy premia in addition to the annual rents. These premia amounted to over Rs. 8,000, which caused a large increase in receipts under this head in 1889-90, and a corresponding falling off in the year under review. The other fluctuations are not explained in the Commissioners' reports.

24. *Tax on persons according to their circumstances and property.*—There was a slight increase in the total receipts in the Burdwan Division, whilst in the Orissa and Chota Nagpore Divisions income under this head remained practically unchanged from the previous year. In the rest of the Divisions there was a falling off under this head. There was a large decrease in the Municipalities of Lalbagh (Rs. 5,990), Kandi (Rs. 2,484), Sasseram (Rs. 2,466), and English Bazar (Rs. 1,655), whilst the accounts of the Municipalities named in the margin show an appreciable increase. The increase in Baidyabatty is attributed to an increase in the rate of taxation. To the revision of assessments made during the year, the delay in the disposal of objections and the employment of the tax-darogah for more than three months in the census work is attributed the falling off of income in the Sasseram Municipality. The large decrease in Lalbagh was due to the exclusion of certain villages from municipal limits. Although, excluding Lalbagh, there has been an increase of revenue in the Presidency Division, the Commissioner thinks that it should be very much greater with vigorous and impartial administration. In Arrah a revision of the tax on persons was undertaken during the year, but it resulted in a decrease of income amounting to Rs. 292, and the executive officers of the Municipality are said to be unduly conscious of the odium attaching to any attempt to raise the assessment of the town.

Municipality.	Amount of increase.
	Rs.
Baidyabatty ...	2,214
Baranagore ...	4,322
Naihati	3,218
Baduria	1,067
Behar	1,273

25. The following table shows the grants received by municipalities from Provincial or Local Funds:—

Name of Municipality.	Amount of grant.		From what fund and for what purpose sanctioned.
	Rs.	A.	
Burdwan	1,594	0	Rs. 937 from Government as grant-in-aid to schools maintained by this Municipality, Rs. 57 from Burdwan District Board for training a nurse, and Rs. 600 from the same Board as contribution to the cost of maintaining the Burdwan charitable dispensary.
Baukoora	1,000	0	From the District Board towards the cost of maintenance of the charitable dispensary.
Midnapore ...	3,189	0	From Government for maintenance of the college and collegiate school.
	459	0	From the Mohsin Fund for the part schooling fees of Mahomedan boys of the collegiate school.
	180	0	From the District Board towards the support of the charitable dispensary.
Khirpai	77	0	Ditto ditto.
Chunderkona	15	0	From the District Board towards the support of the charitable dispensary in the fourth quarter of 1889-90.
Khulna	7,000	0	From Government—Rs. 1,000 (annually) for the maintenance of roads transferred to the charge of the Municipality, and Rs. 6,000 being part of a special grant sanctioned for the improvement of the town.
Darjeeling	6,483	8	From Government (annually) for the maintenance of certain Government roads within municipal limits.
	1,050	0	From the Darjeeling Improvement Fund for the repayment of the Cooch Behar loan of Rs. 50,000, and for the working of the Porters' and Dandiwallas' Act.
Rampore Beauleah ...	1,386	0	From the Prosunnanath Roy Fund (annually) for the maintenance of the charitable dispensary.
Nattore	1,396	0	From the Prosunnanath Roy Fund (annually) for the maintenance of the dispensary.
Nasirabad	1,000	0	From Government (annually, for a term of 5 years) for the support of the charitable dispensary and school.
	600	0	From the District Board for the support of the charitable dispensary and school.
	30,000	0	Promised by the District Board for the water-works to be constructed in the town, to be paid in three years.
Burisaul	1,200	0	From the District Board for the maintenance of the charitable dispensary.
Patna	5,725	0	From Government Rs. 5,725 out of the Wahabee Fund to meet the preliminary expenses of the drainage and water-supply schemes.
Dinapore	1,850	0	From Government Rs. 1,850 (annual) for the repair of that portion of the Bankipore-Dinapore Road which lies within municipal limits.
Gaya	4,471	0	From the Lodging-house Fund for (1) constructing a pucca drain in the old town, (2) Gaya Pilgrim Hospital, and (3) metalling a road in the old town.
Sasseram	1,200	0	From the Sasseram Endowment Fund (annually) for the support of the Sasseram dispensary.
Durbhunga	2,426	0	From Government, Public Works Department, for maintaining two roads in the Collectorate compound.
Motihari	400	0	From the District Board as contribution towards the expenses incurred by the municipality on the charitable dispensary in treating patients resorting to the dispensary from beyond municipal limits.
Bhagulpore	600	0	From the District Board for the maintenance of the charitable dispensary.
Deoghur	300	0	From the Pilgrims' Lodging-house Fund for improvement of street lighting.
Pooree	4,000	0	From the Pooree Lodging-house Fund for the conservancy of the town.

26. The Lieutenant-Governor has read with great satisfaction the record in the Commissioners' Reports of gifts of money or land made, and works of public utility executed, by private individuals within municipal limits. His Honour notices the following instances of private munificence as specially deserving of acknowledgment:—Rupees 3,300, which remained to be paid out of Rs. 6,300 contributed by Babu Kali Krishna Tagore of Calcutta for metalling a road in the Baranagore Municipality, was received during the year. Rupees 112 was contributed by the same gentleman for seven lamp posts for the Municipality. The Lieutenant-Governor also notices with satisfaction the good work done in the same Municipality by the dispensary established by the late Babu Sagore Chundra Dutta of Calcutta at Kamarhattee, and opened on the 1st April 1890; the cost of establishment and medicines amounted to Rs. 7,552-2, which was entirely defrayed from the funds allotted by the deceased gentleman. In South Dum-Dum, Rai Chatrapati Singh Bahadur made a free gift of land, measuring 7 cottahs and 10 chittacks, for the purpose of making a road. In Naihati (24-Pergunnahs), Srimati Monmohini Dassi, widow of the late Kerr Terak, built a pucca ghât on the river Hooghly at a cost of Rs. 6,000. Mr. C. Orr, the Manager of the Gouripore Company, also constructed a ghât at a cost of Rs. 2,000. Babu Bangshi Gopal Nandi of Burdwan made a donation of Rs. 4,298 for the purchase of a site for a town hall within the Municipality, but the land has not yet been formally acquired, and the case is pending in the Civil Court, though the foundation-stone was laid by Sir Steuart Bayley in July 1890. Her Highness the Dowager Maharani Narain Kumari of Burdwan has made a gift of the site of the Soory Municipal market, on the condition that, if the market ceases to exist, the land is to revert to her. To the Midnapore Municipality, Raja Mohendro Lal Khan of Moisadul contributed Rs. 25 a month for the maintenance of the ward for contagious and moribund cases attached to the Municipal Charitable dispensary. In Ghatal, Babu Chintamoni Kumar is constructing a pucca bathing ghât on the left bank of the river Silye. Some lands and Rs. 766 in money were given by Her Highness the Maharani Surnomoyi of Cossimbazar for the construction of a road in Howrah to be called after her name. In Bali, Babu Kanti Chunder Mukerjea has undertaken to build a pucca bathing ghât on the river bank at an estimated cost of Rs 5,000. A commodious building is being erected in the Rampore Beauleah Municipality at the cost of the late Rai Grishchandra Lahiry Bahadur, zemindar of Kasimpore, for the purpose of accommodating the Rajshahye public library. The work has approached completion, and has cost about Rs. 2,000. Raja Deonundun Singh of Sheohur in Mozufferpur contributed Rs. 1,000 for the construction of a new female ward to be attached to the Sitamarhi Dispensary. Babu Satyendra Nath Dey of Balasore, the owner of a thickly populated and insanitary *bustee* in the heart of the Balasore Municipality, had it remodelled at a cost of about Rs. 2,000, an excellent work, well worthy of imitation by other landlords. Syad Ibrahim Hossain Khan of Patna has placed in the hands of Government Rs. 2,000 with which to found scholarships tenable at the Medical College, Calcutta, for Behari Mahomedan women studying midwifery. He has also liberally provided 60 iron beds at a cost of nearly Rs. 1,500 for the use of patients in the Bankipur and Patna City Hospitals. Kazi Reza Hossain Khan Bahadur contributed Rs. 1,000 towards the cost of constructing the Begumpur Road in Patna. In Kishengunge, Babu Lal of Khagra excavated a large tank at an estimated cost of Rs. 1,100 by the side of the Ganges and Darjeeling Road for supplying good drinking-water to travellers. Raja Nilmoni Sing Deo of Pachete made a gift of Rs 5,000 for the improvement of the water-supply of the Purulia Municipality. This gift has already been acknowledged by Government. In the same Municipality Babu Surja Ram Marwari built a masonry well at a cost of Rs. 80. Babu Chandra Mohun Basak of Dacca paid Rs. 4,000 to the Municipality for improving a street in that town. At Bhagulpore, Babu Udit Narain Singh of Hundwa has promised a contribution of Rs. 26,000 for the extension of the water-works. Nawab Ahsanulla Bahadur of Dacca made a donation of Rs. 5,000 to the Comilla Municipality towards the lighting of the town.

27. *Expenditure.*—The total municipal expenditure of the province was Rs. 27,81,524 against Rs. 26,77,511 of the preceding year, showing an increase

of Rs. 1,04,013. The year closed with a balance of Rs. 3,60,942, against Rs. 3,16,393 of the year 1889-90. The following statement compares the percentages of the municipal expenditure in each Division under each of the principal heads of expenditure (excluding debt and suspense heads) during the last two years:—

Head of Expenditure.	Year	Burdwan.	Presidency.	Rajshahye.	Dacca.	Chittagong.	Patna.	Bhagulpore.	Orissa.	Chota Nagpore.	Provincial total.
General Establishment	1889-90	11·1	13·5	16·2	9·7	11·5	13·0	10·4	13·3	15·4	12·4
	1890-91	10·0	11·9	16·8	7·8	17·6	13·1	13·0	12·5	14·8	11·8
Public Safety—(Protection from fire and Police).	1889-90	2·1	5·6	...	...	...	·1	·3	...	...	1·6
	1890-91	6·7	4·8	·4	...	...	...	...	...	...	1·4
Lighting	1889-90	7·1	3·2	4·5	3·5	3·5	5·1	1·3	4·2	1·4	4·5
	1890-91	8·9	6·0	3·9	2·9	2·9	5·4	2·3	4·5	1·4	5·5
Public Health—[(a) Buildings and other works, (b) Repairs, and (k) Other measures].	1889-90	7·0	3·5	4·4	0·3	4·4	4·4	4·0	1·8	7·9	5·9
	1890-91	6·3	3·8	5·3	2·8	8·2	4·5	3·1	8·5	13·7	4·7
(c) Dispensaries	1889-90	5·1	7·5	9·5	11·0	14·4	13·8	9·3	6·9	18·3	9·3
	1890-91	4·9	7·4	8·9	8·5	13·5	14·5	12·3	7·2	16·6	9·0
(d) Vaccination	1889-90	·5	·9	·5	·4	·5	·8	·8	1·1	·9	·6
	1890-91	·4	·8	·4	·4	·3	·7	1·1	1·0	·9	·6
(e) Registration of Vital Statistics	1889-90	·5	·3	·7	·3	·5	·4	·5	·4	·5	·4
	1890-91	·5	·3	·6	·3	·5	·3	·7	·4	·6	·4
(f) and (g) Water-supply and Road watering.	1889-90	4·7	1·7	4·5	11·5	3·1	3·0	25·9	1·6	2·4	6·4
	1890-91	4·5	1·8	6·5	27·5	2·6	2·7	7·7	1·3	1·6	7·1
(h) and (i) Road cleaning and conservancy.	1889-90	30·8	24·1	27·9	27·6	23·7	24·4	21·8	33·9	28·0	26·7
	1890-91	31·6	24·1	25·8	22·5	22·5	24·5	30·3	33·6	28·2	26·7
(j) Drainage works	1889-90	2·7	4·0	6·2	3·6	3·4	2·6	2·4	7·4	2·5	3·4
	1890-91	2·6	3·8	7·4	2·9	3·4	2·2	2·5	4·1	4·2	3·4
Public Instruction.—Secondary ..	1889-90	3·1	1·5	2·8	2·5	9·3	2·4	1·9	1·3	2·4	2·6
	1890-91	3·0	·9	2·8	1·9	9·4	2·1	2·7	1·0	2·2	2·3
Primary ..	1889-90	·4	1·5	·3	2·3	·5	·7	·7	2·1	·8	·7
	1890-91	·5	1·3	·5	1·9	·5	·6	1·1	1·9	·7	·7
Special ...	1889-90	·09	·1	·02	...	·3	·1	...	...	...	·07
	1890-91	·1	·09	·02	...	·3	·1	...	...	...	·09
Public convenience.—Public works	1889-90	15·5	25·2	15·3	17·5	19·2	19·0	17·6	17·5	13·0	18·4
	1890-91	13·6	27·4	14·9	15·3	19·9	19·2	18·6	20·8	13·2	18·3
Other charges (Printing, &c.) ...	1889-90	1·9	1·9	2·1	·8	1·8	2·6	17·6	2·2	1·6	1·9
	1890-91	1·4	1·7	1·8	·9	1·2	3·1	2·0	2·5	·9	1·8
Miscellaneous	1889-90	2·6	2·5	2·8	3·7	3·1	3·1	1·4	4·9	4·4	2·8
	1890-91	2·9	2·0	3·1	5·0	2·6	3·7	1·6	3·6	1·1	3·1
Total Expenditure		6,46,553	5,05,306	2,51,690	3,60,854	63,631	1,47,645	1,63,142	80,540	59,048	25,77,809

The Lieutenant-Governor desires that the main heads of expenditure incurred by each Municipality may in future divisional annual reports be compared in the form of the above statement. The statistical information thus collected will enable Commissioners and Magistrates to exercise some check where any class of expenditure falls much below or rises much above the normal rate without the existence of any special reason.

28. The statement in Appendix F shows the details of expenditure under each head, as compared with the previous year. The largest expenditure was as usual incurred on conservancy (Rs. 5,05,355), public works, including the maintenance and repair of roads (Rs. 4,73,551), general establishment, including collection charges (Rs. 2,99,547), maintenance of medical institutions (Rs. 2,32,651), road-cleaning establishment (Rs. 1,84,768), establishment and appliances for lighting (Rs 1,43,343), water-works (Rs. 1,38,501), and public instruction (Rs. 1,15,288). The chief differences in expenditure as compared with that of the previous year are the following:—

Increase.

Heads of expenditure.	Amount of increase.
	Rs.
Establishments and appliances for extinguishing fires ...	7,596
Ditto ditto lighting streets ...	31,902
Erection of slaughter-houses and latrines, &c.	3,170
Water-works (establishment, repairs)	27,054
Conservancy establishments	35,488
Public works	16,360
Miscellaneous	9,578

Decrease.

Heads of Expenditure.	Amount of decrease.
	Rs.
General establishment (including collection charges) ...	7,948
Road-cleaning establishment	7,973
Public health—Other measures (markets, slaughter-houses, public gardens, &c.)	5,829
Public convenience—Survey of lands	6,440

29. *Establishments and appliances for extinguishing fires.*—The bulk of the expenditure under this head is incurred in the Municipalities of Howrah (Rs. 10,794), Cossipore-Chitpore (Rs. 23,979), and Darjeeling (Rs. 1,002). The Municipal Commissioners of Howrah paid Rs. 9,880 to the Commissioner of Police, Calcutta, on account of the Metropolitan fire-brigade, which included arrears due. The balance of the expenditure incurred under the head (Rs. 1,238) was distributed amongst several Municipalities.

30. *Slaughter-houses &c.*—The tables do not show the expenditure on slaughter-houses as apart from latrines, but the Lieutenant-Governor finds that there has been very inadequate provision hitherto for the erection and maintenance of slaughter-houses in such a condition as to ensure absolute privacy and to cause no offence to the Hindu population of the town. In one place His Honour found that the cattle were killed in an open piece of ground, in others a wall has been erected, but not high enough to prevent an outsider from seeing what takes place within. This is a matter to which Sir Charles Elliott attributes the greatest importance, and he trusts that early steps will be taken in all municipalities to remedy the defects which may exist in the construction of these slaughter-houses, and to pass bye-laws which will effectually prevent the slaughter of cattle in any other place.

31. *Street-lighting.*—The largest increase of expenditure occurred in the Municipalities of Howrah (Rs. 14,057), Cossipore-Chitpore (Rs. 10,455), and South Suburbs (Rs. 2,272). In Howrah the increase was due to an increase in the number of lights, and in Cossipore-Chitpore to the payment of arrear bills of the Gas Company, amounting to Rs. 4,733. The Municipalities of Dinapore Nizamut, Sitamarhi and Jamui incurred an expenditure under this head of Rs. 1,861, Rs. 288 and Rs. 225, respectively, against *nil* in the previous year. No expenditure was incurred in 47 Municipalities* against 59 of the previous year. Among these were the Municipalities at the head-quarters of the districts of Nuddea (Krishnaghur), Khulna, Mymensingh (Nasirabad), Chumparun (Motihari), Maldah, Hazaribagh and Singbhoom (Chyebassa). The Motihari Municipality have, however, introduced street-lighting during the current year.

* Name of Division.	Number of Municipalities in which there were no street lamps.	
	1889-90.	1890-91.
Burdwan	12	11
Presidency	21	16
Dacca	3	3
Chittagong	1	1
Patna	8	4
Bhagulpore	4	3
Orissa	2	2
Chota Nagpore	8	7
Total ...	59	47

The Lieutenant-Governor observes great discrepancies in the average cost of lighting per lamp in various municipalities, which would seem to show that proper supervision is not always exercised over expenditure under this head. In some municipalities a saving in expenditure was effected concurrently with an increase in the number of lamps used, and it is hoped that these savings may be employed to increase the number of lights. On this subject the Lieutenant-Governor desires to repeat here the remarks already recorded in reviewing the report on the administration of the Police Department for the year 1890:—

"Street-lighting, which is essential to efficient watch and ward at night, has not made very much progress throughout those provinces. Not a single street in the Motihari, Maldah, English Bazar, and Chyebassa towns is lighted at night. That the people themselves feel the want of street-lights is shown by a quaint petition received by the Lieutenant-Governor on his recent tour from some residents of Faridpur, who ask for 'sufficient light in the bazaar to escape fear of robbers, and to avoid mistakes committed by constables thinking customers as thieves in the dark.' His Honour desires Commissioners of Divisions and District Officers to bring to the notice of the municipalities with which they are concerned the necessity of supplying adequate lighting."

32. *Water-works.*—The largest increase appears against the Dacca and Rajshahye Divisions, and the greatest falling off in the Bhagulpore Division. At Dacca the capital expenditure was Rs. 79,047, against Rs. 18,888 in 1889-90, owing to the extension of the water-works in the town by means of a loan made by Government. The present extension is expected to give a supply of 200,000 gallons of water per diem to the town in addition to the 200,000 gallons distributed before. Thus about five gallons of water will be supplied per head of population. At Nasirabad Rs. 6,265 were spent on the acquisition of lands required for the carrying out of the water-works scheme, for which Raja Surjya Kanta Acharjee, Bahadur, has offered a very liberal donation of Rs. 1,14,000, which was noticed in the Resolution for 1888 89. In the Darjeeling Municipality the expenditure rose from Rs. 4,304 in 1889 90 to * Rs. 10,996 during the year under review. The increase in capital expenditure as shown in the margin was due to the laying of a 4″ main pipe of about 5,000 feet in length and to the execution of certain minor new works.

	1889-90. Rs	1890-91. Rs.
* Capital outlay	793	9,268
Establishment, repairs, &c.	3,511	1,728
Total ...	4,304	10,996

The charges on account of the maintenance of the water-works at Burdwan fell from Rs. 8,571 to Rs. 6,679; but a capital outlay of Rs. 6,333 was incurred on the construction of a new settling tank and the extension of the area supplied. The accounts of the Bhagulpore Municipality show a large decrease in expenditure under this head of Rs. 45,115 due to the completion of the project. The capital outlay, which amounted to Rs. 46,316 in 1889-90, was only Rs. 7,034 during the year under report. There was also a reduction in the maintenance charges on account of the water-works in the town. The municipalities which have received the blessing of a pure wate-rsupply up to the present date, or in which water-supply works are under construction, are—

Burdwan.	Darjeeling.
Bhugalpore.	Dacca.

Mymensing.

His Honour regrets that the number in this list has not been increased during the year.

33. *Conservancy and road-cleaning.*—The former item shows a total increase of Rs. 35,488, whilst the latter shows a decrease of Rs. 7,973. These two items have, however, to be considered together, as the same establishment is employed generally for both purposes, and the expenditure is not as a rule correctly adjusted under the respective heads. The Lieutenant-Governor notices with satisfaction the net aggregate increase of expenditure. In the Burdwan Division the increase was most marked in Howrah (Rs. 17,876), Bally (Rs. 1,297), Hooghly and Chinsurah (Rs. 1,146), Serampore (Rs. 1,220), Raneegunge (Rs. 770), and Soory (Rs. 806); whilst Baidyabatty shows a decrease of Rs. 1,591. The increase in Hooghly and Serampore is due to the strengthening of the conservancy establishment and increasing the number of carts as well as to the repair of cow-sheds. The increase in Bally, Raneegunge and Soory is due to the introduction of Part IX. The decrease in Baidyabatty is only apparent, and is due to the charges incurred under "Conservancy" having been erroneously shown under other heads. The steam tramway for the removal of night-soil in Howrah was completed during the year at a cost of Rs. 80,000. It is proposed to increase the number and capacity of the trucks in order to render the tramway more serviceable, and to work the trains at night so as to minimise the inconvenience to the public. In the Presidency Division the Baranagore Municipality shows an increase under both heads, amounting together to Rs. 2,826. At Berhampore the charges on account of conservancy rose from Rs. 5,957 in 1889-90 to Rs. 9,526, and for road-cleaning from nil to Rs. 3,680, thus showing a total increase of Rs. 7,249. At Darjeeling there was a reduction of Rs. 3,048, which appears to have had a disastrous effect on the sanitary arrangements of the station. The Lieutenant-Governor will, however, deal with the Municipal administration of Darjeeling in a separate Resolution. At Dacca the expenditure on conservancy, as shown in head 3 (*i*) of Appendix G to the Commissioner's Report, appears to have fallen from Rs. 49,340 to Rs. 45,770, but no reference is made to this decrease in the body of the

report. Information will be called for to show how these sums are made up, and the details of the establishment employed during the last four years on cleaning private latrines, on cleaning public latrines, and for other purposes. A statement of the establishment maintained and the expenditure incurred under the head "Conservancy" in each Municipality in Bengal is given in Appendix I.

34. *Public works.*—There was a decrease of Rs. 9,411 in Hooghly, part of which is due to the expenditure of a large sum in the preceding year for the acquisition of land for a new road. There was also a decrease in Burdwan of Rs. 2,223. Howrah, however, shows an increase of Rs. 3,228, Serampore of Rs. 2,077, Baidyabatty of Rs. 1,551, and Midnapore of Rs. 1,919. The decrease in Burdwan is attributed to the fact that only ordinary repairs were executed within the year; the increase in Midnapore is chiefly due to the construction of new roads at a cost of Rs. 1,118. In Baidyabatty many roads were repaired, and the expenditure at Serampore, both on construction and repair of roads, compares favourably with that of the preceding year. Of the expenditure of Rs. 4,673 by the Municipal Commissioners of Hooghly, Rs. 1,800 was spent on a protective work on the river side to prevent the erosion of the bank. There were large increases of expenditure in Manicktolla (Rs. 6,656), Mozufferpore, Lalbagh (Rs. 5,186), Rampore Beauleah (Rs. 3,875), South Suburbs (Rs. 2,544). The Municipalities of Gya, Arrah, Santipore, Jamalpore and Bhagulpore show a large decrease of expenditure.

35. *Miscellaneous.*—At Dacca the expenditure rose from Rs. 7,849 in 1889-90 to Rs. 13,259 in 1890-91. It is reported that the increase was only apparent, being due to the fact that expenditure which should have been entered under "other measures" subordinate to "Public health" has been shown under this heading. The increase in the Naraingunge Municipality of Rs. 1,167 was due to the heavy expenditure incurred by the Commissioners in conducting an appeal pending before the High Court. The increase of Rs. 4,856 in Burdwan is chiefly due to the acquisition of the site of the new Town Hall, the cost of which, being met by private liberality, is only a matter of account.

36. *General establishment.*—The Lieutenant-Governor notices with satisfaction the reduction of Rs. 7,948 effected in the expenditure under this head as compared with the previous year. The decrease was shared by all the Divisions except Rajshahye, where the Darjeeling Municipality, shows an increase of expenditure of Rs. 1,669, due to the payment of Rs. 1,200 as bonus to the Vice-Chairman and to the Accountant drawing full pay during the year.

The Commissioner of Burdwan reports that a scale of establishment has now been fixed by each municipality in that Division. In some instances the scale of pay and establishment seemed unnecessarily high, and he had to check a tendency to give unnecessary annual increases in pay and to make additional appointments. The Commissioner of the Presidency Division also reports that Municipal Commissioners are constantly trying to create new appointments, and to raise the pay of their servants; that the Commissioner of the Division is obliged to exercise a vigilant control over them; and that it is to this control that the decrease in expenditure is due. The example set by the Burdwan Commissioner might usefully be followed in other Divisions, and the figures in the table in Appendix F(1) will assist Municipalities in fixing a suitable ratio.

37. *Drainage works.*—There was a large increase of Rs. 9,281 in Rampore Beauleah. The town is being provided with saucer-shaped roadside pucca drains, for which the Commissioners have contracted a loan of Rs. 15,000 from Government. The drains have already been completed on the sides of several roads. The construction of an underground masonry central drainage channel to tap the most filthy parts of the town, and to admit of the passage of river water into foul tanks and ditches, was completed with the help of a donation of Rs. 5,000 made by the Dighaputtia Ward's estate. The arterial or main channels were also cleaned and renovated, and several additional culverts were constructed as waterways. In Rungpore a new drainage canal has been completed, for which the town is largely indebted to the liberality of Babu Janaki Bullubh Sen of Dimla, and to the skill and energy of the Magistrate Mr. Skrine. The subsidiary drains of this town are being properly repaired, and several new kutcha drains have been provided or connected with the new canal. The

Municipal Commissioners intend to borrow Rs. 20,000 from Government for the completion of this scheme. During the year the survey of the Jalpaiguri Municipality was made, and a drainage scheme has been prepared by a qualified engineer at a cost of Rs. 1,610: the scheme is now under the consideration of the Sanitary Board. The bazar drains of the Kurseong Municipality, which are the property of the Burdwan Raj estate, were made pucca with Portland cement. An increase of Rs. 1,781 in expenditure under this head was incurred in Serampore, due to the construction of new drains. In Utterpara there was an increase of Rs. 645 owing to the purchase of surveying and levelling instruments and the entertainment of a surveyor. The Lieutenant-Governor has recently sanctioned an arrangement which will make it possible for the Sanitary Board to render material assistance to municipalities having schemes of drainage in contemplation by lending them the requisite instruments for surveys at a moderate charge for actual wear and tear. In Burdwan there was a large decrease of Rs. 3,084, due to the suspension of all new works under this head pending the preparation and adoption of a complete scheme of drainage. There was a falling off of expenditure in the Municipalities of Darjeeling (Rs. 4,137), Naraingunge (Rs. 1,489), Chuprah (Rs. 2,533), Bhagulpore (Rs. 2,320), and Pooree (Rs. 1,621). At Behar the expenditure rose from Rs. 638 to Rs. 1,766. The Commissioner of Dacca reports that in Dacca, where the drainage continues to be very defective, a sum of Rs. 5,767 was expended during the year for the construction of surface drains. Five pipe drains and 68 concrete drains were also newly constructed during the year. In Burrisal the improvement in drainage noticed in former reports has been continued during the year. A sanitary survey of the towns of Comilla, Burdwan and Patna was made with a view to introduce a proper system of drainage. The Lieutenant-Governor would be glad to see a sanitary survey of every municipality undertaken without delay, and would specially invite attention to the following orders of the Government of India:—

"In regard to the general question of sanitation in mofussul municipalities, it appears to His Excellency the Governor-General in Council that the time has come for the prosecution of sanitary measures on a more systematic plan than has hitherto been adopted as a rule. The recent municipal legislation has endowed local bodies with very considerable powers for the improvement of the sanitary condition of towns and villages, and has placed at their disposal considerable funds for expenditure on that object. It is therefore of the utmost importance that the money thus made available should be laid out to the best purpose on well-devised schemes of permanent utility. I am therefore to suggest to His Honour the Lieutenant-Governor that a sanitary survey of each municipality in the province should be, with as little delay as possible, undertaken by the Sanitary Commissioner and by the Local Engineering Authorities, and that plans and estimates may be prepared of all improvements necessary to provide each town with an efficient system of drainage, water-supply and conservancy. The plans so fixed upon should be executed from year to year as funds become available, the object aimed at being persistently kept in view until it is attained."

38. *Maintenance of hospitals and dispensaries and vaccination.*—One hundred and eighteen municipalities maintained 126 dispensaries during the year. The total cost incurred on account of "Medical institutions" was Rs. 2,32,651, against Rs. 2,30,241 of the previous year. By far the heaviest expenditure under this head was in the Patna Division, where an expenditure of Rs. 65,069 was incurred among 25 municipalities with an income of Rs. 4,72,157. The Presidency Division comes next with Rs. 37,799 divided among 37 municipalities with an income of Rs. 5,65,671. The Commissioner of Chittagong, referring to the expenditure by the Cox's Bazar Municipality of Rs. 570 under this head out of a total income of Rs. 3,268, mentions this as a striking, perhaps scandalous, disproportion of expenditure. Whatever the proportion may be the amount is not excessive in itself and the Lieutenant-Governor considers that a thoroughly efficient dispensary is one of the first necessities of the general public, and would not discourage reasonable expenditure in this direction. The statement in Appendix G shows the number of patients, both indoor and outdoor, treated at the hospitals and dispensaries maintained or aided by municipalities, and the cost thereby incurred by each municipality. The Municipalities of Culna and Hooghly are relieved of such charges by the existence of the Burdwan Raj Dispensary in the former, and of the Imambarah Hospital in the latter. The Raj estate also maintains a large and efficient dispensary in the town of Burdwan. The statement in Appendix H shows the establishment employed and cost incurred by the municipalities on account

of vaccination and the results of vaccine operations. The total municipal expenditure on this item amounted to Rs. 17,127, against Rs. 16,847 of the previous year. The total number of persons vaccinated or revaccinated during the year amounted to 85,358, of whom 78,094 were reported as successful cases. The only event of importance during the year in this connection was a violent outbreak of small-pox in the town of Chittagong. Extra vaccinators were employed, some of whom had to be prosecuted for practising inoculation. In Cox's Bazar Hindus and Mahomedans are reported to have received vaccination unwillingly, while the Mughs protested so strongly that only one Mugh child could be vaccinated. It must be remembered, however, that in Chittagong itself the lymph used was bad, and the protection afforded by vaccination imperfect. If similar defects were observed in Cox's Bazar, the prejudice against the operation would not be unnatural.

39. *Female medical education.*—The Burdwan Municipality contributed Rs. 81 towards the support of a female student of the Campbell Medical School, and Rs. 96 for a nurse and midwife attached to the Burdwan charitable dispensary. The latter resigned on March 16th, and the vacancy has not yet been filled up owing to the want of a suitable candidate. The Municipal Commissioners of Hooghly offered Rs. 20 a month for a trained midwife practising within the town, but no one came forward for the appointment. The Municipal Commissioners of Serampore paid Rs. 4 a month to a female student of the Campbell Medical School.. All that was done in this direction in the Rajshahye Division was the offer of a monthly scholarship by the Commissioners of the Municipality of Rampore Beauleah for a period of three years to secure the education of a female in the Campbell Medical School, on condition that she practised in the town after completing her studies. Although no suitable candidate came forward, the offer has been repeated this year. In Serajgunge one midwife has been entertained at Rs. 12 per mensem. One stipend at the rate of Rs. 5 was provided for by the Revelgunge Municipality in the Patna Division for a female medical student, but no candidate appeared. There is a lying-in-hospital attached to the Bankipur dispensary, where a trained nurse is employed. The Lieutenant-Governor trusts that next year the municipalities will continue their efforts to promote female medical education, and that they may meet with a more ready response. The idea is a novel one in this country, and some time will have to elapse before a supply of candidates has grown up to meet the demand for female medical attendance. Pending the creation of such a supply in the locality itself, it would be well for the municipalities to place themselves in communication with the authorities of the Campbell Medical School and to obtain trained females from that institution who are willing to be attached to the Municipal Hospital to practise in the Municipality.

40. *Vital statistics.*—Under this head it is only necessary to reproduce the remarks already recorded in reviewing the report of the Sanitary Commissioner for 1890, as follows:—

"Out of the 142 municipalities which profess to register births, only seven* reach this standard (40 per thousand), and only 29 show a birth-rate equalling or exceeding the birth-rate of England and Wales in 1888 (30·6 per mille) These results are accepted by the Sanitary Commissioner as approximately correct: 55 municipalities, returning birth-rates varying from 29·43 to 20·03, are held to have done moderately well in the matter of birth registration; while in 58 municipalities, or 40 per cent. of the entire number concerned, the results are spoken of as very defective. In the following 19 municipalities the birth-rate is so absurdly low that it is clear not the smallest attention can have been paid to the work of registration:—

*Madhubani ...	53·89
Jamalpur	43·50
Pubna ...	42·90
Moheshpur ..	41·86
Sonamukhi ..	40·42
Pirozpur	40·26
Sitamarhi	40·00

	Towns.	Ratio per 1,000 of population.		Towns.	Ratio per 1,000 of population.
1.	Jungipore ...	1·57	10.	Bazitpore ...	6·24
2.	Loharduggа ...	2·98	11.	Nobodip or Nuddea ...	6·38
3.	Chagdah ...	3·44	12.	Gobardanga ...	7·47
4.	Jhalakati	3·72	13.	Baduria ...	7·62
5.	Kandi	3·84	14.	Satkhira ...	8·12
6.	Nalchiti	3·92	15.	Nasirabad ...	9·15
7.	Burisal	5·23	16.	Baraset ...	9·30
8.	Noakholly ...	5·46	17.	South Suburban ...	9·44
9.	Taki	5·85	18.	Muktagacha ...	9·54
			19.	Kulna ...	9·90

Excluding physiological causes tending to affect the number of births, which, though referred to by the Sanitary Commissioner, may for practical purposes be disregarded, it is obvious that the abnormally low birth-rates shown in this statement must be due to two causes—the preponderance of the male over the female population reducing the actual number of births, and defective registration reducing the number reported. By way of illustrating the operation of the former factor, the Sanitary Commissioner observes that in most of the towns which have a larger male than female population the deaths exceed the births, while in most of those where females preponderate, the births exceed the deaths. The report, however, omits to supply the statistics requisite to test this statement, which, if correct, would tell rather in favour of the relative accuracy of the birth and death statistics. It is, however, in the highest degree improbable that the disproportion of the sexes can anywhere be pronounced enough to account for the very low birth-rates referred to above. It may further be observed that, with one exception, all of these towns are situated in Bengal Proper, and most of them are known to contain a large proportion of people of the respectable and educated classes, who might have been expected to desire to have the births of their children officially recorded, and who at any rate cannot plead ignorance of their obligations under the law or of the requirements of sound municipal administration. * * * *
* * * * * * * *

Death rate in different districts.

In the following municipalities the recorded death-rate is below 15 per thousand, and the work of registration appears to be neglected:—

Kumarcolly	...	14·56	Baduria	...	10·97
Satkhira	..	14·41	Taki	...	10·93
Dinapore	...	14·20	Jhalakati	...	10·42
Manicktola	...	13·99	Kishnagore	...	10·37
Ranchi	...	13·93	Tangail	...	9·98
Jhaldhah	...	13·07	Nalchiti	...	9·28
Bissenpur	...	12·67	Noakholly	...	9·22
Nuddea	...	12·33	Kishoreganj	...	9·17
Jungipore	...	12·17	Meherpore	...	9·07
Bazitpore	...	11·85	Chugdah	...	7·89
Santipore	...	11·21	Lohardugga	...	6·49

Three years ago, in a circular addressed to Commissioners of Divisions, the Lieutenant Governor drew attention to the fact that in 51 municipalities out of 64 for which the figures were examined, the registration of deaths during 1877 showed a serious falling off when compared with the mean of the previous five years, during which registration had been conducted by the police. Since then some improvement has taken place, but hardly so much as might reasonably have been looked for, and it is evident that much still remains to be done.

On further consideration and after enquiring into the question in the municipalities which he has visited on tour, the Lieutenant-Governor has satisfied himself that the duty of collecting and recording vital statistics cannot properly be entrusted to municipalities in Bengal. It demands for its adequate performance more continuous care and attention than Municipal Commissioners are ordinarily willing to give to it, and it seems doubtful whether the object of recording such statistics and the necessity for aiming at a high standard of accuracy have been at all generally realised. The results at any rate are so unsatisfactory that the Lieutenant-Governor has decided to introduce a complete change of system, and to transfer the work of registration to the town police with effect from the 1st January 1892. Municipalities will then be relieved of the charges hitherto incurred under this head, and His Honor desires that the funds thus set free may in all cases be applied to the advancement of primary education.

41. *Public instruction.*—The total expenditure as shown in the municipal accounts was Rs. 1,15.288 against Rs. 1,14,198 of the previous year. There was a large increase of Rs. 6,880 in the Burdwan Division, and a decrease of Rs 3,333 and Rs. 2,318 in the Presidency and Patna Divisions, respectively. The statement in Appendix J shows, division by division, the class and number of schools (except colleges) maintained or aided by municipalities, the number of pupils receiving instruction at them, and the expenditure incurred on them; and also the number and class of other schools within municipal limits. The report for the Patna Division does not furnish the necessary information under this head, and it was found necessary to obtain the figures for this Division from the Education Department. It is hoped that for future years complete information will be supplied in all the divisional reports on this point. As was the case last year, the figures furnished in the divisional reports and reproduced in Appendix J do not agree with those furnished to the Education Department for insertion in a similar tabular statement--statistical table No. IV—appended to the Annual

Education Report. Special arrangements will be made to secure this agreement in future by prescribing an authoritative set of figures from which no deviation will be permitted. The figures cited in the margin, taken from the Education Report for the year 1890 91, show that, although there was a reduction of expenditure on secondary education, the charge remains disproportionately high with reference to the expenditure incurred on primary education, in which there was a slight falling off during the year. On this subject the Commissioner of Dacca writes as follows:—

		1889-90.	1890-91.
		Rs.	Rs.
Secondary	...	54,019	49,577
Primary	...	20,827	20,411
Female	...	1,000	1,309
Special	...	..	...
Buildings	...	4,298	976
Inspection	...	154	157
Miscellaneous		2,489	1,862

"This large expenditure on secondary education is having my attention, and I am taking measures to check the diversion of municipal funds for purposes scarcely contemplated by the law, and by which only a small section of the rate-payers, viz., that containing the well-to-do classes, can be said to be benefited. The giving a boy in these days an English education is equivalent to starting him in business with a stock-in-trade, and the cost of doing so should certainly not be charged to the general body of rate-payers, or paid for from funds which are all too small for their legitimate objects, viz., the advancement of the health and convenience of the public, and the encouragement of primary education. There can be no doubt that the time has come when English education should be self-supporting, and in some places the Municipal Commissioners are beginning to recognize this principle and are withdrawing municipal aid from high English schools"

With these remarks the Lieutenant-Governor entirely agrees. It is one of the first duties of a municipality to provide primary education for all boys and as many girls as will accept it, and Sir Charles Elliott desires that in future Commissioners of Divisions when dealing with the annual estimates of municipalities will see that provision is made for the proper performance of this duty before any funds are allotted to the support of secondary education. In reviewing the reports on the administration of District Boards, the Lieutenant-Governor has fixed seven per cent. as the minimum proportion of expenditure which should be devoted to primary education. In the case of Municipalities a standard of this kind is hardly applicable, but the extent of their obligations admits of being defined clearly enough for practical purposes in a different way. A municipality may fairly be required to provide primary education for all boys of a school-going age, a number which may be taken to be 15 per cent. of the male population of the town. In reply to the numerous addresses which have been presented to him by municipalities, the Lieutenant-Governor has frequently taken occasion to impress this principle upon the Municipal Commissioners, and has been glad to find that his advice was received with general approval and concurrence. The demands of primary education, thus formulated must be held to take precedence over those of secondary education, and Commissioners of Divisions are authorised to give effect to this principle in dealing with Municipal budgets under section 76 of the Act. The best plan of giving effect to these orders will, however, probably be to ask each municipality to prepare a definite scheme for providing the requisite number of primary schools, and to submit it for the Divisional Commissioner's approval. The Lieutenant-Governor trusts that Municipal Commissioners will find no difficulty in meeting his wishes in this matter. Orders will soon be issued transferring the grants now made by Government to primary schools within municipal limits to the municipalities concerned for expenditure on the same object, and this will be a considerable assistance to Municipal Commissioners towards meeting this new liability. Moreover, the transfer of the collection and registration of vital statistics to the town police will appreciably relieve their finances, and the entire amount shown in their budgets under this head may properly be devoted to the extension of primary education.

42. *Loans and sanitation.*—The policy of Government in regard to loans to local bodies has been frequently enunciated, and an estimate is annually prepared on reports from the Commissioners of Divisions of the requirements of Municipalities in this matter, so that every possible facility is given them for obtaining funds for the sanitary improvement of towns. The following municipalities incurred loans or otherwise made special arrangements for improving drainage or water-supply:—

Serampore Municipality.—A loan of Rs. 30,000 was sanctioned for the improvement of the drainage of the town, but the amount was not brought into account during the year.

Burdwan Municipality.—The Commissioners propose to borrow Rs. 25,000 from Government, in order to purchase a second pair of engines and a boiler, and to make other necessary arrangements to extend the supply of filtered water to the whole town. A survey has been made and levels taken, and a drainage scheme is now in course of preparation in consultation with the Engineer of the Sanitary Board.

Howrah Municipality.—The question of supplying the town with filtered water is now under the consideration of the Sanitary Board. A Norton's tube well sunk to the depth of 60 feet failed to reach a water-bearing stratum, and the river therefore appears to be the only available source of supply. The Commissioners have, since the close of the year, applied for another loan of Rs. 8,000 for the acquisition of the Huldoosah tank with a view to its improvement.

Utterparah Municipality.—The Municipal Commissioners applied for a loan of Rs. 8,000 for the construction of certain new drains. They have been asked by the Commissioner to prepare a plan and estimates for the drainage of the whole town and to consult the Sanitary Board. Meanwhile they have purchased surveying and levelling instruments and employed a surveyor. A survey is also in progress in Midnapore, and a scheme has been proposed for the town of Bally.

Presidency Division.—In North Dum-Dum a map of the municipality was prepared and submitted to the Sanitary Board with a view to the preparation of a drainage scheme. The Sanitary Board have directed the Commissioners to record the levels of the adjacent khals, which, when properly restored, may serve as main drains, and the Commissioners have made provision for this in their current year's budget. The Naihati Municipality is reported to have cut a number of channels to drain the low lands on its western border near the river Hooghly, and it is proposed to carry the work further. The drainage of North Barrackpore, North Dum-Dum, South Barrackpore, and Baranagore is closely connected. A comprehensive scheme for draining this area by opening or re-excavating the Dunka, Khurda, Dantia, and Bagjulla khals, which have partly silted up, and also by sluicing them in convenient places, has been for some time before the Sanitary Board. Certain valuable suggestions for the improvement of the sanitary condition of Baranagore, submitted by Babu Dukhina Runjan Mookerjee, a resident of the municipality, were referred to the Sanitary Board for consideration. The recommendations of the Board on the subject of the drainage scheme are now before Government. Another comprehensive project for the supply of filtered water to the riparian municipalities in the district of the 24-Pergunnahs is under consideration by the Sanitary Board. The municipality of Chanduria applied for a loan of Rs. 2,000 for the excavation of a tank in a part of the municipality where the want of drinking water is very severely felt. The application was not approved of by the Commissioner of the Presidency Division, as the dimensions of the proposed tank seemed too small. The Collector has again included this sum in his estimate of loans and advances for 1892-93, and the project is still under discussion. The Commissioner observes that upon the whole these important subjects appear to be receiving some attention, and hopes some real advance may be made. The Lieutenant-Governor concurs in the opinion expressed in the following extract from the Commissioner's report :—

"Application has recently been made to the Lieutenant-Governor by the Municipal Commissioners of Jessore and Krishnagar (Nuddea) for grants for drainage, but they appear to have done nothing themselves or to be in a position to ask for help. I understand that in Jessore no levels have been taken and no practical schemes devised, and no attempt appears to have been made to raise money by either municipality upon their own resources. I am of opinion that Municipal Commissioners should prepare schemes and see what amounts they can borrow before coming to Government for grants. The same remarks apply to the supply of drinking water. I have no sympathy with appeals for aid made by bodies who cannot show that they have made all possible use of their own resources."

It may be added that before preparing schemes on their own account, municipalities will do well to seek the advice of the Sanitary Board, who will be in a position to instruct them as to the best method of drawing up projects of this kind, and to give them information regarding measures which have proved effectual in other places.

Dacca Municipality.—The extension of the water-works carried out by means of the loan of Rs. 1,25,000 sanctioned by Government has been noticed elsewhere.

Furreedpore Municipality.—The Commissioners obtained a loan of Rs. 5,000 from Government to enable them to complete the excavation of a tank called the Jubilee tank, and to metal certain roads in the town. The amount was received only in October 1890, and a sum of Rs. 2,596 has already been deposited in the Collectorate as compensation for the acquisition of the land required for the tank and Rs. 447 has been spent in metalling the roads in question.

Comilla Municipality.—The municipality obtained a loan of Rs. 2,500 from Government to re-excavate a large reserved tank which had silted up, and to reserve and re-excavate another big tank in the eastern part of the town where the population is thick. With the exception of the re-excavation of the last mentioned tank, for which there was no time, the work was completed before the close of the year, and the balance of the loan refunded to Government. The Lieutenant-Governor would have preferred to see the amount devoted to some necessary work. The number of tanks reserved for drinking purposes has risen from two to four. The Maharajah of Hill Tipperah, who owns many tanks in the town, has lately consented to entrust the preservation of the Nanna Dighi to the Commissioners, and this tank under proper care will furnish an abundant supply of good water to a thickly populated quarter of the town. The District Board proposes to aid the municipality with funds when their title to the reserved tanks has been secured.

Chittagong.—In this town the drinking water is obtained from natural springs and artificial wells and tanks. All these sources of supply are carefully guarded by the municipality. The Commissioners applied for the services of a competent Engineer to determine the levels of the several springs with reference to those of the adjacent country with a view to ascertain whether it is possible to make a reservoir by damming up a valley or by diverting a stream, so as to give a sufficient supply of drinking water to the town. A similar application was received from the Pubna Municipality for the preparation of a scheme for the drainage of the town. Both applications are under the consideration of the Sanitary Board.

Patna Municipality.—The town has been surveyed with the object of providing it with a regular system of drainage; a scheme has been prepared, and it is understood that the Commissioners are about to apply to Government for a loan to enable them to carry it out. The question of the water-supply of the town has also engaged the attention of the Commissioners, and the Inspector of Local Works has submitted a plan and estimate to Government, but his project will cost seven lakhs, and it is doubtful whether the Commissioners will be able to undertake it in its present form.

Mozufferpore Municipality.—The Municipality incurred an expenditure of Rs. 2,690 in order to prepare a drainage scheme and to put the existing drains in order. As there is no regular system of drainage in the town, the Municipal Commissioners applied to Government to allow them the assistance of the Executive Engineer. The levels of the existing drains have already been taken, and a project is being prepared under the Engineer's direct supervision.

Pooree Municipality.—A scheme for the drainage of the town has been approved by Government, and a loan of Rs. 25,000 sanctioned to meet the cost. In 1886 an attempt was made to supply the town with drinking water from the Surnomoyi river. The necessary plans and estimates were prepared; but as sufficient funds could not be raised for carrying out the scheme, which was estimated to cost about three lakhs of rupees, it had to be abandoned. In his last visit to the town, the Sanitary Commissioner examined the water of the river and found it unfit for human consumption. As, however, the water from the wells in the town is of excellent quality, he recommended that these should be improved on some regular system. A copy of the Sanitary Commissioner's inspection report was forwarded to the Commissioners, and they were asked to state definitely what sort of scheme for improving the well water-supply they are prepared to introduce, and what expenditure they would incur. It was at the same time suggested that the best thing for them to do would be to raise a loan, to acquire a number of wells, put them in perfect order, impose a water-rate, and with the proceeds keep the wells in repair and maintain a proper supervising establishment. The reply from the Municipality with the

Commissioner's remarks thereon is now under the consideration of Government. The question of the sanitation and water-supply of Puree is one of extreme importance owing to the large numbers of pilgrims who visit the town, and the Lieutenant-Governor hopes soon to have an opportunity of looking into the subject on the spot.

Kendrapara Municipality.—The Municipality used to obtain canal water free of charge for filling some of the tanks in the town, when the canals were closed for annual repairs. This procedure having been objected to, and a heavy water-rate imposed, the Commissioners have, it is reported, resolved to discontinue taking water from the canal, and to spend some portion of their income every year in providing permanent sources of water-supply. As the whole supply of canal water is never or hardly ever utilised for irrigation, the Commissioner agrees with the District Magistrate and with the Chairman of the Municipality in thinking that the former practice might well be resumed. The Lieutenant-Governor desires that, if the canal water is really good, the municipality should be required to take it, a moderate charge being made for the water.

Chaibassa.—This town gets its supply of water from an artificial lake within its limits, now called the Jubilee lake, and from tanks, wells, and the Roro river. The re-excavation work of the Jubilee lake was completed during the year at a cost of Rs. 3,328.

43. Under orders contained in a Resolution dated 20th February 1882, all charges on account of police in municipalities were transferred to Government, and it was expressly stipulated that the municipal funds so set free should still be levied for expenditure on works of general municipal utility, and that the increased resources should not be devoted to the reduction of taxation. In order to ascertain how far this stipulation had been complied with, Commissioners of Divisions were asked to submit, with the reports now under review, a statement showing for each municipality the amount of income released by the exemption of the municipality from police charges together with the expenditure under the heads "Public Instruction" and "Public Health" during the years 1881-82 and 1890-91. The following table shows the results of these enquiries:—

Name of Division.	Number of Municipalities which were relieved of police charges.	Number of municipalities in which the savings on account of police have not been fully applied with in accordance the terms of the contract.
Burdwan	21	12
Presidency	33	16
Rajshahye	10	3
Dacca	10	Nil.
Chittagong	5	1
Patna	21	13
Bhagulpore	10	4
Orissa	5	1
Chota Nagpore ...	5	1
Total ...	120	51

Some municipalities have more than fulfilled the stipulation, but in 51 municipalities out of 120 the terms made by Government at the time of the transfer of the Police charges have not been fully carried out. The Lieutenant-Governor desires that Commissioners of Divisions will bear this in mind in passing the estimates, and will in their next annual reports explain any failure on the part of a municipality to carry out the terms of the agreement. The figures for each municipality are shown in appendix K.

44. *Embezzlement.*—The tax-collector of the Mozufferpore Municipality was accused of embezzling on three different occasions certain funds of the Municipality, amounting in all to about Rs. 97, and was prosecuted for criminal breach of trust. The municipal accounts were, however, kept in such an irregular manner that the misappropriation of any specific sums could not be proved against him to

the satisfaction of the court, and he was acquitted. In view of the vagueness of the accounts, it was considered undesirable to sue the tax-collector's surety to recover the loss, and the Municipality had thus to suffer a loss of the funds embezzled. This case shows a degree of carelessness in the administration of municipal affairs, which reflects the greatest discredit on all concerned. The tax daroga of the Raneegunge Municipality was prosecuted on a charge of embezzling Rs. 1,750, but he was acquitted at the Sessions. Owing to disputes as to the election of a Chairman, the Commissioners are reported to have taken no steps towards the recovery of the amount. A collecting sircar of the Hooghly-Chinsurah Municipality, who was entrusted in January 1890 with house and latrine-tax bills for the fourth quarter of 1890-91, misappropriated sums amounting to Rs. 633. He died in March 1890, and the embezzlement was detected on examining his accounts. A sum of Rs. 355 was recovered from his estate, and the balance will be demanded from his surety. A collecting sircar in Howrah was found to have been embezzling ever since 1887-88. His friends paid up the amount short, Rs. 737, and he was let off without being prosecuted—a course which the Commissioner considers was probably a wise one, as the account rules had been systematically neglected, and there would have been difficulty in getting a conviction for embezzlement. Another sircar in Howrah appropriated Rs. 1,049 in the second and third quarters of 1889-90. Rupees 678 has been recovered by the sale of his house and of the Government paper held as security. A warrant has been issued against him by the Magistrate, but has not yet been executed. Enquiries instituted at Bansberiah, in consequence of some remarks made by the local auditor, led to the dismissal of the tax-daroga, who paid up Rs. 183; but the way in which the accounts had been kept rendered a prosecution hopeless. One of the collecting sircars of the North Barrackpore Municipality embezzled Rs. 895, and as soon as the embezzlement came to light from the audit of accounts of the Municipality, and the man was suspended, he absconded. The Municipal Commissioners held a paper purporting to be a security for Rs. 100, which was executed 17 years ago in favour of the Barrackpore Municipality. On the man's appointment to the North Barrackpore Municipality this security was accepted without being tested or transferred in legal form. No civil action for the recovery of the amount could be undertaken as the document was worthless.

The frequency of these cases of embezzlement clearly demonstrates a want of proper check and control on the part of the executive officers over the collecting agency, and general disregard of the instructions contained in the rules for the keeping of municipal accounts. The Lieutenant-Governor considers that these occurrences are the strongest possible proof of administrative inefficiency on the part of the municipal executive concerned, and desires that in order to prevent the recurrence of such malpractices and the consequent loss of public revenue, the responsible officers will insist on greater regard being paid to these rules in the future, and will in all cases take securities in the form prescribed by Government, so that they may be easily realizable.

45. *Miscellaneous.*—There were unusually heavy floods during the year in the several districts of the Dacca Division, which caused considerable damage to many of the Municipal roads and necessitated the expenditure of a large sum of money on their repair. Floods also caused considerable damage to the roads in Lalbagh and Jungipore. Several other towns in the Presidency Division suffered from the floods. A very extensive fire took place in the town of Khulna in the beginning of the year, and nearly the whole bazar was reduced to ashes. Advantage was taken of the circumstances to prohibit the construction of houses and shops with inflammable materials, and although this was at the time attended with some hardship to the people, it has, it is believed, made the bazar practically safe from the recurrence of similar calamities. Fires also occurred in the Municipalities of Jhallokatti and Nasirabad.

46. *Working of the Porters and Dandiwallas' Act in Darjeeling.*—The Act is said not to have worked satisfactorily owing to the powers of the Commissioners being insufficient, and the whole subject is reported to be under the special consideration of the Municipality. Three hundred and fifteen dandiwallas and 361 porters were registered and 643 badges issued. The cost incurred in the working of the Act was Rs. 284-7. There were no prosecutions.

47. *Working of the Pilgrims Lodging-House Act, IV (B.C.) of* 1871.—In Pooree the total receipts of the year, which amounted to Rs. 12,126, excluding the opening balance of Rs. 1,186, show an increase of Rs. 3,666 over the receipts during the previous year, which again exceeded those of 1888-89 by Rs. 3,000. The total expenditure amounted to Rs. 9,923, against Rs. 11,255 of the previous year, and the year closed with a balance in hand of Rs. 3,389. The contribution to the municipality for conservancy and other charges fell from Rs. 5,000 in 1889-90 to Rs. 4,000 during the year under review. The total amount of fines realized amounted to Rs. 1,271, against Rs. 911 of the previous year. The total number of lodging-houses licensed at the close of the year was 779, capable of accommodating 16,719 lodgers, against 417 lodging-houses with accommodation for 11,170 lodgers licensed in the previous year. This large increase in the number of houses licensed under the Act seems to show that the people appreciate the working of the Act. Pucca latrines are insisted on in every house, and frequent inspections provide for their maintenance in a sanitary condition. Five thousand and thirty-eight inspections were made by the Health Officer and Assistant Health Officer. The Lodging-House Committee maintained the hospital at Pipli, and a temporary field hospital at Satyabadi during the car festival, and contributed largely towards the support of the Balianta hospital and the Pilgrim Hospital at Pooree. Two new latrines were erected for the patients at the Pipli Hospital. The Act continued to work satisfactorily.

48. The total income of the Gya Lodging-house Fund during the year amounted to Rs. 13,534-11-1 including the balance of the previous year, and the total expenditure was Rs. 8,409-10-2, leaving a surplus of Rs. 5,125-0-11. Altogether 392 licenses were issued during the year, against 405 in 1889-90. The number of lodgers fell from 11,659 to 10,732. Fifty two prosecutions were instituted; 47 cases ending in conviction and three in acquittal. The amount of fines imposed was Rs. 156. The Lodging-house Committee held four meetings during the year. The lodging-houses were kept in good order, under the supervision of the Health Officer and the Overseer. The working of the Act appears on the whole to have been satisfactory.

49. In Uluberiah the total receipts during the year amounted to Rs. 866, including the opening balance of Rs. 425, and the expenditure to Rs. 257, leaving a balance of Rs. 609 at the close of the year. The attention of the Committee was drawn to the anomaly of allowing the unexpended balance to accumulate in the case of a town which is described as "becoming full of filth and cesspools." The Committee met 13 times during the year. The fines levied amounted to Rs. 126 against Rs. 111 of the previous year. Thirty-two licenses were taken out against 31 of the previous year, and the amount of license fees realised was Rs. 277 against Rs. 288. Four sweepers were employed throughout the year to sweep the streets and cleanse the public latrine and urinal in the town.

50. The income of the Deoghur Lodging-house Fund was Rs. 1,552, including the opening balance of Rs 218, and the expenditure Rs. 584, leaving a balance of Rs. 968 at the close of the year, which it is proposed to utilise during the current year. Although the number of licenses issued during the year was the same as in the previous year, the amount of license fees rose from Rs. 679 in 1889-90 to Rs. 736 during 1890-91, owing to some of the lodging-house-keepers taking out licenses for a larger number of lodgers. The fines levied amounted to Rs. 360 against Rs. 242 of the previous year, which was due to a better supervision exercised by the Committee. In the opinion of the Commissioner the management was efficient.

51. At Chandbally the income was Rs. 891, including the opening balance of Rs. 266, against Rs. 921 of the preceding year, and the expenditure Rs. 354 against Rs. 655. The balance in hand at the close of the year was Rs. 537. Sanction was accorded to the sinking of a well and cleaning of a tank at a cost of Rs. 250 out of the accumulated balance. The Act worked smoothly during the year.

52. The provisions of the Act were put in force during the year in the *chutties* (or rest-houses) along the Juggernath Road in the districts of Balasore, Cuttack and Pooree; itinerant Health Officers were appointed to supervise the working of the Act in the *chutties*, and bye-laws were framed to give effect to its provisions. There were no receipts under the Act in the Cuttack

district, and the pay of the Health Officer (Rs. 40 a month) and that of 13 sweepers (Rs. 48 a month), maintained for the conservancy of the *chutties*, was met from the Juggernath Road Fund. The extension of the Act to the *chutties* is said to have been resented by the shopkeepers, owing to the passenger traffic on the Juggernath Road having declined on the opening of the coast canal and the sea routes, and it is reported that for a few months certain inn-keepers actually closed their shops in Balasore. The inn-keepers have, however, commenced to file applications for licenses, and in Balasore the receipts came up to Rs. 356, including Rs. 240 as license fees, Rs. 46 certificate fees, and Rs. 70 as fine. The Lieutenant-Governor agrees with the Commissioner in thinking that if the Act is worked with tact and firmness, there is no reason why it should not be as successful as in Pooree. The salaries of the Health Officer and of the 10 sweepers maintained in the Balasore district were also paid out of the Juggernath Road Fund for that district. The income of the Lodging-house Fund may now be applied to improving the water-supply of some of the chutties.

53. *General working of the Municipal Act, III (B.C.) of* 1884.—The Commissioner of the Burdwan Division observes:—

Burdwan Division.

"I do not know that I can, or need, add much to what has been written on this subject in previous years. The gentlemen selected for special mention have well earned the thanks of Government, and there are others who, in less important positions, have discharged their duties with zeal and ability. What is wanting in Municipalities generally is a better use of local knowledge, and a better control over overseers and out-door work generally. An occasional inspection by a gentleman who knew the wants of his neighbourhood, and what could be done with the money allotted for them, would often do far more good than the most assiduous attendance at meetings, where discussions are apt to be needlessly protracted to the great inconvenience of busy men."

The Lieutenant-Governor notices with satisfaction the favourable mention made in the report of Rai Nalinaksha Bose Bahadoor (Chairman, Burdwan Municipality), Baboo Dhone Kisto Ghose (late Chairman of the Soory Municipality), the late Rai Bepin Behari Dutt, Bahadoor, (Chairman, Midnapore Municipality), Baboo Ishan Chandra Mitra (Chairman, Hooghly and Chinsurah Municipality), and Baboo Siv Narain Mukerjee (Chairman, Utterparah Municipality) for the efficient manner in which they have administered the affairs of the towns under their charge.

54. The Commissioner of the Presidency Division remarks:—"From what has come before me while in charge of the division, I cannot consider municipal administration satisfactory.

Presidency Division.

Nothing appears to have taken the place of the constant supervision of the Magistrate or Joint-Magistrate, who used to spend the morning in going about noting requirements and supervising the work of the servants. It is most exceptional to find a Chairman or Vice-Chairman or any Municipal Commissioner who makes a practice of riding or walking about. Servants are left to themselves, money is wasted, and work is not properly done. As regards executive action, the boon of self-government conferred upon the people appears to have entailed the result that work which used to be done is done no longer. The bulk of the Municipal Commissioners appear to consider that all their work is to be done in meetings and not outside. There is a general want of personal activity and energetic supervision. The work of assessment is unpopular, and the Municipal Commissioners therefore neglect it. Taxation is much below what it should be, and bad as the work of assessment is the work of collection is still worse. I am sorry that this report contains no return of the balances of tax remaining uncollected. There may be exceptions which have not come to my notice, but enough has come before me to create the general impression that there are very discreditable balances of arrears remaining uncollected. Municipal Commissioners do not like to be hard on defaulters, and neglect their duty in a manner calling for the strongest censure. * * *

Mr. Baker thinks that the tax on persons should be replaced by a tax on the annual value of holdings, that it should be assessed by a person unconnected with the Municipality, and collected by the Magistrate as the road cess is collected by the Collector. Thus an experienced Magistrate considers that the

elected or nominated representatives of the people have shown themselves unfit to be entrusted with the duty of assessing or collecting the taxes which are to supply the funds for their expenditure, and all that I have seen leads me to agree with Mr. Baker that in this respect municipal administration has proved a failure. There have been cases of party feeling, unworthy imputations, and unfair criticisms, but nothing which appears to call for special notice; nor do I find any gross case of misconduct on the part of the Municipal Commissioners, except in Manicktollah (24-Pergunnahs), where the late Vice-Chairman was convicted of misappropriating public money. The conviction was set aside by the Appellate Court."

Rajshahye Division.

55. The Magistrate of Rajshahye writes:—"Both the Corporations (Rampore Beauleah and Nattore) have discharged their duties with great ability and to my entire satisfaction. I have always been consulted on all matters, and it has been a pleasure to me to advise bodies in whom I have inspired confidence. The relations between me and the Corporations, I may say, have always been cordial." The Magistrate of Bogra writes thus in regard to the Municipalities in his district:—"Before the general elections of December 1890, there were in both the municipalities a few Commissioners who attended scarcely any meetings, and took little or no interest in the concerns. But there were also several who attended almost all the meetings and did useful service. It is too early to speak of such changes as have been caused by the general elections. The Commissioners of Sherepore are not active or progressive, but those of Bogra are decidedly so. They keep the roads in very good order, the streets are well lighted, and the business of their office is excellently conducted. In all these matters the traditions and the practice at Sherepore show want of energy and efficiency. At Bogra, the Chairman, Babu Rajani Kant Mazoomdar, whom the new Commissioners have wisely re-elected, has great powers of reorganization. The taxation in the town of Bogra is very bad, and I think unduly high; the contribution towards primary education is too small, but, with these exceptions, the arrangements are good and successful, and the Commissioners deserve much credit. On the whole the Act may be said to have worked well in Bogra and only fairly in Sherepore." The late Magistrate of Rungpore wrote as follows:—"My hearty acknowledgments are due to Dr. Raj Mohun Banerjee, the Chairman, and Babu Jogesh Chandra Mozoomdar, Vice-Chairman, to whose untiring efforts is due such measure of success as has attended the working of the Rungpore Municipality during the year under review." The Deputy Commissioners of Jalpaiguri and Darjeeling and the Magistrate of Pubna are of opinion that the municipalities in their districts have worked well during the year.

The Commissioner writes:—"In the above opinion expressed by the district officers I entirely concur. The Municipal Commissioners have on the whole performed their duties with zeal and devotion to the public interests as well as in harmony with the heads of their districts."

Dacca Division.

56. The Magistrate of Dacca has recorded the following opinion:—"The year has been one of some progress. In the town of Dacca effect was given to the long-pending scheme for extending the water-supply. This has now been nearly doubled, and much benefit will result to the town from this important improvement. The interest taken in their work by many Municipal Commissioners was perhaps less than in previous years, and may be accounted for by the fact that many were aware that they would shortly cease to be Commissioners. In Naraingunge especially much important road work, which should have been done in the cold weather, was put off and has had to be done since at increased expense. Some improvements were effected in Dacca in the working of the conservancy establishment, but these large establishments require a very strong hand to keep them in full working order. The Municipal Commissioners do not, I think, sufficiently realize this, and that an officer competent to do this must be well paid. They are inclined rather to multiply low-paid officers and to cut down the Secretary's pay." The Commissioner agrees with the concluding remarks in the above extract, and thinks that many of the shortcomings in the Municipal administration in the town of Dacca are due to petty jealousies and party dissensions among the Commissioners, which render the Chairman's

position a difficult one, and the action of the Municipal Executive often weak and uncertain. The Magistrate of Furreedpur observes as follows:—"Both the municipalities in the district have worked fairly well, but more attention should be given to the practical administration of minor details. The Commissioners show a praiseworthy inclination to benefit by the instruction of higher authorities and to work harmoniously with other public bodies. The Commissioners of the Furreedpur Municipality have generally consulted the District Officer on points of difficulty, and have always tried to carry out his suggestions." The Magistrate of Backergunge writes:—"All the Municipal Committees have worked smoothly and considerable improvements have been effected. In Burrisal town in particular the change for the better must be very apparent to any one who knew the place 8 or 10 years ago. The other towns, however, are in many respects a long way behind. Jhallokati and Nalchitti in particular are, and must continue to be, towns with filthy surroundings, as they contain no latrine accommodation. I tried to get the Committees to move in the matter, but failed, and nothing short of a law which will compel the adoption of the latrine system in its entirety will be of any effect." The Magistrate of Mymensingh writes as follows:—"On the whole the Act has worked satisfactorily, and the Commissioners have taken a fair amount of interest in their work. The Commissioners of Nasirabad and Kishoregunge have displayed a considerable interest in the welfare of their respective towns. * * * * Municipal administration in Bengal is marred by some serious defects, and these defects are due to a tendency to expend more money for the benefit of the well-to-do classes than for that of the general bulk of the rate-payers. The greatest good of the greatest number should constitute the sole justification of Municipal taxation; an excessive amount is spent on English education and very little on primary education, which alone in this district benefits the bulk of the rate-payers. The great want is a want of men with leisure as well as education and enlightenment. Pleaders, who are mostly elected, have the latter qualifications, but not the former. The want of leisure must mean deficient interest, and the result of deficient interest is seen in many directions, such as the worthless vital statistics compared with which the statistics in rural areas are accuracy itself. Then it must be remembered that the Magistrates as *ex-officio* Chairmen were absolutely independent. It is perhaps impossible for permanent residents of a place to be so. The Magistrates are birds of passage: they come and go; the non-official Chairman stays on for ever. No wonder that he is perhaps inclined to court popularity or at least to avoid unpopularity. The very best native Chairmen readily admit this. They are very reluctant to take action against encroachments and bad drains, the class of offences, broadly speaking, in which well-to-do people indulge. When compelled to act, they prefer to invoke the aid of the Magistrate, so that some or all of the odium of the interference may not fall on themselves."

The Commissioner of the Division observes:—"There is much in Mr. Phillips' remarks in which I entirely concur. I am not, however, inclined to agree with him in thinking that the remedy for inefficient administration is to be found in generally increasing the powers of control exercised by the local Government officials. The powers given to Magistrates and Commissioners by the law are, I think, sufficient, except in regard to one or two matters, which I will notice further on. I also think that it would be a mistake to encourage constant interference with Municipal bodies by the magistracy, or to do anything which will have the effect of making the Commissioners feel that what is being given them with one hand is being taken away with the other. Such a course cannot promote mutual good feeling or willing co-operation, but must lead to complications and much vexation of spirit. In all such matters prevention is better than cure, and much more will be gained by judicious guidance than by any amount of driving. My experience of Municipal Commissioners generally is that they are anxious to do what is right, and to perform their duties honestly and thoroughly, but that they are so beset by wheels within wheels of private or party interests, that it is in many cases almost impossible for them to shake themselves clear of surrounding influences and to act independently, though their better feelings would induce them at once to do so if they only had some one to give them a lead and to take the responsibility."

Patna Division.

57. The Commissioner of Patna observes:—"In the Gaya Municipality the working of the Act is reported to be on the whole satisfactory. The working of the Arrah Municipality was not quite satisfactory. As regards this Municipality the Magistrate observes that 'The roads are in a bad state and require repairs. There is little supervision over the conservancy staff; watering and lighting are insufficient and badly supervised. Latrines are wanted. Drainage is defective. Of late the Commissioners have split up into two factions. They finally recommended Government to appoint a Chairman, and Mr. Forbes was appointed. On his transfer they have re-elected Babu Seo Sarun Lall, the late Chairman. This gentleman and the Vice-Chairman, Babu Jadubans Sahai, interest themselves in their work, but do not seem to be able to make much improvement.' The defects pointed out in Arrah exist more or less in other municipalities in the district. The want of latrines and good drains is felt everywhere; but the real difficulty in the way of providing them is the want of funds. In the Mozufferpur Municipality the Act has on the whole worked fairly well. Babu Purmeshwar Narain Mahata, the Vice-Chairman, deserves great credit for the interest he has taken in his work. In Lallgunge the Commissioners generally take no interest in their work. In Durbhunga the Commissioners on the whole seem to take a fair amount of interest in their work, but there is still room for improvement. Better attendance at meetings is wished for. Speaking of the Chuprah Municipality, the Chairman writes:—"The year has on the whole been one of progress, which would have been greater had I had more time to give to details. The Commissioners as before gave a good deal of assistance in the only way in which it can really be expected from a body of native gentlemen * * * * Great attention has been paid to sanitation, and still more would have been done had I or the Vice-Chairman had more leisure. Regular trenching has been introduced; some progress has been made towards incessant supervision of the establishment, and a new slaughter-house has been built, and the old slaughter-house for horned cattle renewed. Arrangements are being made for two new markets * * * * *
Latrines have been supplied and a relief camp was opened during the floods in August last. Lastly, the town has been, it is believed, thoroughly protected from flood." * * * *
Special mention is made of the services of the Vice-Chairman, Mr R. P. Ghose, and others. As regards the Motihari Municipality, the Magistrate says that the elected Commissioners worked well during the year. Both the present and the late Vice-Chairman took great interest in the Municipality. In my General Administration Report for the past year, I wrote the following remarks on the subject of the Patna Municipality:—"Mr. Currie, the District Officer, writes in very strong terms of the shortcomings of the municipality. He specially complains that the Commissioners have divested themselves of most of their powers and duties and delegated them to Ward Committees. Lighting, watering, scavenging, building, &c., are all in the hands of Ward Committees, who are in the hands of their neighbours. They are afraid to close well-privies, or to propose latrine taxes, or to refuse licenses to build. They are too ignorant of the rudimentary ideas of sanitation to see their importance, and when orders are passed by the Commissioners, the Ward Committees are afraid to enforce them. Latrine taxes are now imposed in only two wards, and attempt has been made to free them also. The taxes were under-assessed and the Ward Committees then made large remissions without proper enquiry." I confess that I should have thought a long narrow tract like the city of Patna would be unusually suitable for Ward Committees, but much must depend on the manner in which they are worked. * * *
The Commissioners have since resolved at a meeting to withdraw the powers from the Ward Committees. The Municipal Commissioners of Barh have been very negligent in the matter of their accounts; both the district officer and I have taken notice of this, and have ordered the submission of periodical reports showing the steps taken to remedy the irregularities. The Behar Municipality works fairly well, though there is a chronic feud among the Commissioners. The same is to be said of the Dinapur Nizamut Municipality."

58. The Commissioner of Bhagulpore has recorded the following remarks:—

Bhagulpore Division

"The record of Municipal administration during the past year is not altogether satisfactory. In some cases local jealousies and dissensions between rival sections of the Committee have interfered with successful working, and in two municipalities, viz., English Bazar in the Maldah district, and Sahebgunge in the Sonthal Pergunnahs, from both of which, considering the number of educated and intelligent residents, better things might have been expected, conservancy and sanitation have been greatly neglected, and the administration has been generally inefficient. At the same time there has been in some municipalities a good outturn of useful work, and indications of progress are not wanting. The Commissioners generally are alive to the real requirements of the municipalities under their charge, and in several cases successful attempts have been made to provide for growing needs by increasing the assessments, though there is still a tendency to look to Government as the only source from which help can be obtained. Establishments have been reviewed, and on the whole there has been a reduction of charges under this head, while the practice of increasing salaries at irregular intervals and without regard to any fixed scale has been checked. The proceedings of some Municipal bodies, such as the Bhagulpore Committee, evince a high degree of intelligence and ability in dealing with administrative questions, and if the scheme of work were always as well executed as it is often designed, there would be little left to desire."

59. Not having had an opportunity of inspecting any of the Municipalities, the Commissioner of Orissa was unable to make any remarks based on personal knowledge, and he has confined himself to reporting the following remarks of the District officers in his Division:—The Magistrate of Cuttack makes the following remarks:—"On the whole the Cuttack Municipality has done well. I had up occasion now and again to point out an unfenced well, holes on crest of bridges and the like, and found matters promptly set right."

Orissa Division.

In Pooree the Chairman reports that steps have been taken to improve one of the big tanks called the Seth Ganga by appointing a Sub-Committee to devise means for so doing. But the Magistrate writes:—"The water of this tank was sent to the Chemical Examiner nearly two years ago. It was said to resemble liquid sewage. Bathing has gone on ever since, and Municipal Commissioners have effected no improvement. The appointment of a Committee is a mere blind. The contribution from the Lodging-house Committee more than covers the up-keep of the hospital, which is practically the only benefit the pilgrims get from the Municipal Commissioners, who will not employ a Food Inspector, and will not enforce the cleaning of the filthy tanks in which the pilgrims have to bathe, and so they are annually poisoned with fermented and putrid food and are forced to bathe in sewage. * * * I reluctantly recommend the abolition of the Municipality and its reconstitution as a second class Municipality with official Chairman." The Commissioner also thinks that the Municipal Commissioners have not hitherto done all they could have done with the money and powers they have, and it is quite possible that special measures will be necessary to compel them to adopt more rigorous measures; and he has, therefore, asked the Magistrate to submit a special report embodying his proposals for reform. The Lieutenant-Governor desires that the submission of this report to Government may be expedited.

The Magistrate of Balasore writes:—"During the three years of Dr. Zorab's incumbency there was practically no need for the Magistrate to intervene in municipal matters. I fear, however, that, under the existing *régime*, I may be forced to take more frequent action in support of authority and order." The Magistrate is, however, satisfied that the state of the roads and of conservancy arrangements are generally satisfactory.

60. The Commissioner of the Chota Nagpore Division observes:—The Commissioners of both the Hazaribagh and Chattra Municipalities in the district of Hazaribagh are reported to have generally taken interest in their duties. Speaking of the Vice-Chairman of the Hazaribagh Municipality, Rai Jadu Nath Mukerjee, Bahadur, the Deputy Commissioner says:—"The Vice-Chairman has rendered invaluable service to the town for many years. He looks into every branch

Chota Nagpore Division.

of the municipal administration, and has every detail at his fingers' ends; he is quite fit, as an exceptional case, for appointment by Government as Chairman. He is one of the very few non-officials who so far have thoroughly justified the Government policy of extending local self-government, and as such he is deserving of Government recognition." The Deputy Commissioner of Lohardugga reports:—"The Commissioners of the Ranchi Municipality take a lively interest in its affairs. The collection of municipal dues is made almost with mathematical regularity * * * The Municipal Commissioners take particular interest to see that the funds of the municipality are strictly appropriated to legitimate purposes. They also devote all necessary attention to the sanitary requirements of the town." Of the Municipal Commissioners of Ranchi, the name of Dr. F. R. Swaine, Civil Surgeon, is specially mentioned. He is said to have taken particular interest in improving the sanitation of the town. The working of the Lohardugga Municipality is said to be on the whole good. Regarding the working of the Act in the Purulia Municipality, the Deputy Commissioner of Manbhoom writes:—"The Purulia Municipality was on the whole managed well. The Commissioners with few exceptions took an interest in their duties and supplied their obligations. Besides attending the meetings, they assisted in the executive work of their respective wards. The efficiency of its Committee was greatly due to the active interest taken in municipal matters by its Vice-Chairman, the late Rai Gunga Nund Mukerjee, Bahadur. This excellent gentleman died some three weeks ago, and his loss will be felt by us for many a year to come. The Civil Surgeon and District Engineer are members of our Municipal Committee. Their professional knowledge is always at our service, and they have rendered us much service by their advice." The Chairman of the Chyebassa Municipality, Dr. S J. Manook, appears to have continued to evince interest in its affairs."

61. On a general view of the year's work and bearing in mind the special difficulties which Municipal Commissioners have to contend with, especially when acting without the guidance and initiative power of an official Chairman, the Lieutenant-Governor considers that the record is fairly satisfactory. Almost everywhere the Commissioners appear to have made a genuine effort to do useful work, and the shortcomings which have been pointed out in the reports are such as might naturally have been expected from a body of gentlemen who have their own business to look after, and who as a rule have undergone no special training in the work of administration. The making and revision of assessments, the collection of municipal taxes, the checking of accounts, the supervision of conservancy establishments, and generally the maintenance of efficient control over out-door work, represent a considerable amount of personal labour, and demand close attention to a variety of details. It is in these points, rather than in attendance at meetings and appearances on public occasions, that the work done by Municipal Commissioners seems to admit of improvement. During his various tours Sir Charles Elliott has had frequent opportunities of discussing local requirements with the Municipal representatives, and he has always found them extremely ready to take advice and to adopt any reforms that were suggested to them. It seems to him, therefore, that a good effect would be produced if the Magistrates of districts and Sub-divisional Officers were to make periodical inspections of the Municipalities in their jurisdictions, and to submit notes of their inspections to the Commissioner of the Division. A copy of such notes, with the remarks of the Commissioner, might afterwards be sent to the Municipalities concerned. In this way the Municipal Commissioners will get the benefit of the wider experience of the District Magistrate and the Commissioner of the Division, who see the working of many Municipalities, and are therefore in a position to offer advice without interfering with the independence of the Commissioners. In the case of Municipalities at the head-quarters of districts, the Commissioner of the Division might himself occasionally inspect them, and in that case the Lieutenant-Governor would be glad to have a copy of the inspection note submitted for his perusal. Such notes would form a useful supplement to the Annual Report, which does not always contain sufficient information as to the working of individual Municipalities.

By order of the Lieutenant-Governor of Bengal,

H. H. RISLEY,

Offg. Secretary to the Government of Bengal.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 19*th December*, 1891.

Division	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
BURDWAN DIVN.	1	Burdwan Dec. 19, '91	Nil	Weather—seasonable. Harvesting of winter rice still going on. Prices of common rice:— Srs. Sudder ... ... 14 Culna ... ... 14 Cutwa ... ... 15 Raneegunge ... ... 15½ } per rupee.
		Culna ...	Nil	
		Cutwa ...	Nil	
		Raneegunge ...	Nil	
	2	Bankoora " 19, '91	Nil	Weather—seasonable. Harvesting of winter rice still continues. Prospects of *rabi* and sugarcane good. Fodder and water sufficient. Condition of cattle good. Common rice selling at 17½ seers per rupee both at Bishenpore and Sudder market.
	3	Birbhum " 19, '91	Nil	Weather—seasonable. Harvesting of winter rice still going on. *Rabi* sowings nearly finished. Prospect of *rabi* crops fair. Supply of fodder and water sufficient. Common rice selling at from 14½ to 18½ seers per rupee.
		Rampore Haut ...	Nil	
	4	Midnapore " 19, '91	Nil	Weather—cold and fair. *Aman* paddy is being cut. Indigo, sugarcane, and *rabi* crops doing well. Prices of common rice:— Srs. Sudder ... ... 17 Contai ... ... 18 Ghatal ... ... nearly 16 Tumluk ... ... 14 } per rupee.
	5	Hooghly " 19, '91	Nil	Weather—rather warm for the time of year. Harvesting of *aman* paddy going on. Prospects of *rabi* tolerably fair. No difficulty in obtaining fodder and water-supply. Prices of common rice:— Srs. Sudder ... ... 12 Serampore ... ... 13 Johanabad ... ... 16 } per rupee.
		Serampore ...	Nil	
		Jehanabad ...	Nil	
	6	Howrah " 19, '91	Nil	Weather—fine. Harvesting of *aman* crop still proceeding with an average outturn except on higher lands. Sugarcane doing well. Health of cattle good. Fodder and water-supply sufficient. Price of common rice 14 seers per rupee.
		Uluberia ...	Nil	
PRESIDENCY DIVN.	7	24-Perghs. " 19, '91	Nil	Weather—seasonable. Harvesting of *aman* paddy progressing. Prospects of neither *rabi* nor *aman* show improvement. Sugarcane being pressed. Prices stationary. Fodder and water sufficient. Cattle-disease reported from one village in thana Harowa.
	8	Nuddea " 19, '91	Nil	Weather—seasonable. Harvesting of *aman* nearly finished; outturn poor. State of *rabi* crops continues bad for want of rain. Indigo doing well. Common rice selling at from 11 seers 6 chittacks to 15 seers per rupee. Condition of cattle good, and supply of fodder and water sufficient.
		Kushtea ...	Nil	
		Meherpore ...	Nil	
		Chuadanga ...	Nil	
		Ranaghat ...	Nil	
	9	Khoolna " 19, '91	Nil	Weather—seasonable. Harvesting of *aman* going on. Prospects fair. Common rice selling at from 14 to 16 seers per rupee. Fodder and water sufficient.
		Bagirhat ...	Nil	
		Satkhira ...	Nil	
	10	Jessore " 19, '91	Nil	Weather—rather warm. *Aman* paddy is being harvested; it is best in Narail subdivision. Prospects of *rabi* crops not good owing to want of rain. Fodder and water sufficient.
		Jhenidah ...	Nil	
		Magurah ...	Nil	
		Narail ...	Nil	
		Bongong ...	Nil	
	11	Murshedabad " 19, '91	Nil	Weather—seasonable. Harvesting of *kalai* going on. *Rabi* crops doing well. Winter rice being harvested with better results than had been anticipated. No want of fodder for cattle.
CHITTAGONG DIVN.	12	Chittagong " 19, '91	0·19	Weather—still warm. Clouds often about. Harvesting of winter rice in progress; probable average outturn estimated at 10 to 12 annas. Vegetable crops benefited by late showers. Prices steady. Condition of cattle generally good. Supply of fodder sufficient.
	13	Noakhally " 19, '91	0·06	Weather—cloudy and unseasonably warm. Harvesting of *aman* paddy continues. *Rabi* crops doing well. No cattle-disease reported from Feni or Sudder subdivision. Supply of water and fodder good. Price of common rice at Feni 15 seers and at Sudder head-quarters 14 seers per rupee.
	14	Tipperah " 19, '91	Nil	Weather—seasonable. Harvesting of *aman* going on. Winter crops progressing. Fodder sufficient. No cattle-disease.
	15	Chittagong Hill Tracts. " 17, '91	Nil	Weather—unseasonable. Cloudy and very hot during midday. Harvesting and gathering of paddy continue. Cold-weather crops not doing well. Price of common rice 9 seers 6¼ chittacks per rupee.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concld.					
DACCA DIVN.	16	Dacca	Dec. 19, '91	Nil	Weather—less cold than it ought to be at this time of the year. Harvesting of *aman* going on. Prospects of *rabi* crops good. Fodder available. Common rice selling at from 13 to 18 seers per rupee. Condition of cattle good.
	17	Furreedpore	„ 19, '91	Nil	Weather—seasonable. Harvesting of *aman* and sowing of winter crops nearly finished. Rice selling at 16, 16, and 15 seers per rupee at Sudder, Madaripore, and Goalundo respectively. Condition of cattle good and fodder available.
	18	Backergunge	„ 19, '91	Nil	Weather—seasonable. Prospects of crops good. Common rice sells at from 10 to 17 seers per rupee. Fodder and water sufficient. Cattle-pox reported from Bhandaria and Matbaria.
	19	Mymensingh	„ 19, '91	Nil	Weather—cold. Prospects of crops fair. Gathering of winter crops nearly completed. Coarse rice sells on an average at 16 seers per rupee. Condition of cattle good. Supply of fodder and water sufficient except in Kishoregunge subdivision.
RAJSHAHYE DIVN.	20	Dinagepore	„ 19, '91	Nil	Weather—cool. Winter rice still being harvested. Prospects of standing crops unchanged. Land being prepared for *bhadoi*. Price of rice at Sudder 14½ seers per rupee and at Thakurgaon 11 seers. Condition of cattle good. Supply of fodder and drinking water sufficient.
		Thakurgaon	...	Nil	
	21	Rajshahye	„ 19, '91	Nil	Weather—seasonable. Harvesting of *aman* continues. Prospects remain unaltered. Condition of standing crops (tobacco, mustard, turmeric, sugarcane, &c.) good. Prospects of *ganja* good; insects causing some damage. Price of common rice ranges from 12 to 18 seers per rupee. No cattle-disease. Fodder and water-supply sufficient.
		Nattore	..	Nil	
		Nowgong	...	Nil	
	22	Rungpore	„ 19, '91	Nil	Weather—seasonable. Prospects unchanged. Tobacco looking well. Price of rice stationary from 9 to 14 seers per rupee. Fodder and water sufficient.
		Gaibanda	...	Nil	
		Nilphamari	...	Nil	
		Kurigram	...	Nil	
	23	Bogra	„ 19, '91	Nil	Weather—clear and seasonable. Prospects of *rabi* favourable. *Aman* 8 annas for the whole district. No want of fodder and water. Price of rice (new) varies from 13½ to 16 seers per rupee.
		Sherpur	...	Nil	
		Nowkhilla	...	Nil	
	24	Pubna	„ 19, '91	Nil	Weather—seasonable. State of standing crops fair. Rain wanted. *Aman* paddy being reaped; yield 10 annas. Common rice selling at 13 seers per rupee. Water-supply and fodder sufficient. No cattle-disease.
	25	Darjeeling	„ 19, '91	Nil	Weather—fair. Reaping of paddy going on everywhere. Prospects of mustard, *kalai*, and potatoes good. No cattle-disease. Fodder and water ample. Wheat and barley about 3 inches high in the hills. Big *marua* is still being harvested. Prices of common rice:— Srs. Silliguri ... ... 13 Nuxalbari ... ... 12 Kurseong ... ... 10 Kalimpong ... ... 10 Darjeeling ... ... 10 Joro Bungalow ... ... 10 Nagri ... ... 8 Sonadah ... ... 10 Pulbazar ... ... 11 } per rupee.
	26	Julpigoree	„ 19, '91	Nil	Weather—seasonable. Winter rice harvest in full swing. Outturn is unfavourably reported on. Prospects of *rabi* crops good. Common rice sells at 11 seers per rupee at Head-quarters and 9 seers per rupee at Alipur. No cattle-disease. Fodder and water-supply abundant.
BEHAR.					
BHAGULPORE DIVN.	27	Monghyr	„ 19 '91	Nil	Weather—cold and seasonable. Prospects unchanged. Rain badly wanted for *rabi* crop. Paddy being harvested. Prospects of poppy fair. Common rice selling at 11 and 12 seers per rupee in Begoserai, 15 seers in Jamui, and 12 to 17 seers in different parts of the Sudder. Fodder and water-supply sufficient.
		Begoserai	..	Nil	
		Jamui	.	Nil	
	28	Bhagulpore	„ 19, '91	Nil	Weather—seasonable. Prospect of *rabi* not improved. Harvesting of rice goes on, but outturn low. *Kurthi* being harvested; outturn fair. Price of common rice—old 12 seers 10 chittacks, new 14 seers 8 chittacks per rupee.
	29	Purneah	„ 19, '91	Nil	Weather—cool and dry. Harvesting of *aghani* continues, that of *kurthi* nearly complete. Prospects of *rabi* still fair, but rain will soon be needed. New rice selling at 11 seers at Kishengunge. In Arrareah and Head-quarters prices stationary. No scarcity of water or fodder.
		Kishengunge	...	Nil	
		Arrareah	...	Nil	
	30	Maldah	„ 19, '91	Nil	Weather—cool and bright. Harvesting of winter rice progressing throughout the district. Gathering of *kalai* has begun in some places. Wheat and other *rabi* crops doing well. Fodder and water-supply plentiful. No cattle-disease. Common rice selling at 11 to 16 seers per rupee. The present year is almost the same as 1888—neither better nor worse.
		Chanchal	...	Nil	
		Shibgunge	...	Nil	
		Gajole	...	Nil	
	31	Sonthal Perghs.	„ 19, '91	Nil	Weather—cool and pleasant, but too persistently dry. Paddy harvest going on; an outturn of from 8 to 12 annas expected; outturn worst in Rajmehal. *Rabi* will be short this year owing to drought. Common rice selling at from 15 to 22 seers per rupee. Price highest as usual in Rajmehal. Fodder sufficient.

No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*				
Patna Division.				
32	Patna Barh	Dec. 19, '91 ...	Nil Nil	Weather—cool and clear. Paddy still being harvested in some places. Prospects of *rabi* and poppy fair, but rain urgently wanted. Mustard and *rahar* in flower and in ear. Prices of food-grains almost stationary.
33	Gya Jehanabad Aurungabad Nawada	" 19, '91	Nil Nil Nil Nil	Weather—cold. Harvesting of paddy continues. *Rabi* crops require rain. Poppy doing well. Prices of food-grains stationary. Supply of fodder and water for cattle yet sufficient.
34	Shahabad Buxar Bhabuah Sasseram	" 19, '91	Nil Nil Nil Nil	Weather—cool. Prospects unchanged. *Rabi* will do fairly well if rain falls in the next two or three weeks. Sugarcane harvest proceeding. Poppy harvest about finished. Opium promises well. Prices rising in Bhabuah.
35	Durbhunga	" 19, '91	Nil	Weather—seasonable. Harvesting of rice continues. Rain wanted everywhere for *rabi* crops. *Rahar* good. Prospects of poppy not favourable. Fodder and water-supply for cattle sufficient. Price of common rice varies from 13 to 15 seers per rupee.
36	Mozufferpore Hajipur Sitamarhi	" 19, '91	Nil Nil Nil	Weather—cool and clear. Harvesting of paddy, *urid*, and *kurthi* in progress. *Rabi* in low lands and where irrigated doing fairly well, elsewhere suffering for want of rain. Poppy sowings in irrigated tracts in Hajipur Sub-Agency coming on well; in unirrigated lands seeds have failed to germinate everywhere. In Tirhoot Sub-Agency poppy has failed in several plots though sown twice and thrice, water-supply being very scanty. Cattle doing well. No scarcity of water and fodder for them. Prices as below:— Wheat. Barley. Rice (common). Makai. Marua. Srs. Srs. Srs. Srs. Srs. Sudder ... 12 25 13 21 ... } Sitamarhi ... 13 22¼ 14 23 24 } per rupee. Hajipur ... 13½ 27 14 22 ... }
37	Sarun	" 19, '91	Nil	Weather—cold and fine. *Rabi* being irrigated and doing well. Poppy plants healthy in Sewan. About 1,200 bighas have failed. Water and fodder for cattle sufficient. Prices of common rice:— Srs. Ch. Chupra ... ... 13 0 } Sewan ... ... 15 12 } per rupee. Gopalgunge ... ... 14 6 }
38	Chumparun	" 19, '91	Nil	Weather—seasonable. Paddy is being reaped. *Rabi* being weeded. State of standing crops fair. Prospects of poppy satisfactory. Prices stationary. Fodder and water for cattle sufficient.
ORISSA.				
Orissa Divn.				
39	Cuttack	" 19, '91	Nil	Weather—seasonable and dry. *Sarad* rice is being harvested. *Mung* attaining maturity. Common rice selling at 13¼ seers per rupee at Head-quarter and 21 seers at Kendrapara and Jajpore. Fodder-supply sufficient.
40	Pooree	" 17, '91	Nil	Weather—cool. *Laghu* rice being collected. *Sarad* rice being reaped. *Dalua* rice being sown. Miscellaneous crops doing well. Common rice sells at from 15¾ to 21 seers per rupee. Cattle-disease reported from Khoorda, Banpur, Kuspalla, and Dandimal.
41	Balasore	" 19, '91	Nil	Weather—seasonable. Harvesting of winter rice still continues. Outturn of *sarad* rice estimated at 12 annas in Bhadrak and 13 annas in Sudder. Prospects of *biri*, *mung*, and mustard good. Rice selling at 19 seers per rupee.
CHOTA NAGPORE.				
South-West Frontier Agency.				
Chota Nagpore Divn.				
42	Hazaribagh Giridih	Dec. 19, '91 ...	Nil Nil	Weather—seasonable. Rain greatly wanted for *rabi* crops; outturn likely to be seriously affected. Poppy doing fairly so far. Common rice selling at from 12 to 17 seers per rupee. Fodder and water-supply sufficient.
43	Lohardugga Palamow (up to 14th)	" 19, '91	Nil Nil	Weather—seasonable. Harvesting of winter rice finished. Rain still badly wanted for *rabi* crop. Common rice selling at 15 seers per rupee. Fodder and water plentiful.
44	Singbhoom	" 19, '91	Nil	Weather—seasonable. Harvesting of rice crop continues. Cold-weather crops on the ground doing well. There is sufficient fodder for cattle.
45	Manbhoom Govindpore	" 19, '91 ...	Nil Nil	Weather—seasonable. Prospects of all crops satisfactory. Rice selling at from 18 to 22 seers per rupee. Fodder and water-supply sufficient.

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 22nd December, 1891.

C. E. BUCKLAND,
Secretary to the Govt. of Bengal.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE HEAD-QUARTERS STATION BAZARS OF THE DISTRICTS OF BENGAL DURING THE FORTNIGHT ENDING THE 15TH DECEMBER, 1891.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the

QUANTITIES PER RUPEE IN

Division	Number.	DISTRICTS.	Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum. (Sorghum Vulgare.) Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
BENGAL.			S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Burdwan Division.	1	Burdwan ..	11 0	11 4	14 0	...	...	...	12 0	12 0	13 2	14 10	15 0	17 1	...	...	...
	2	Bankoora .	12 0	12 8	14 0	16 0	16 0	17 8	13 0	15 0	18 8	17 8	19 0	21 4	...		...
	3	Beerbhoom .	11 4	11 4	16 0	...	...	...	13 8	13 8	16 0	15 0	15 0	19 8	...	...	...
	4	Midnapore ..	11 0	11 4	10 8	...	...	...	11 0	12 0	15 0	17 0	18 0	20 0	...	...	...
	5	Hooghly ...	13 0	13 0	13 0	...	...	...	8 0	8 0	8 0	13 0	13 0	13 0	.	...	...
	6	Howrah ...	11 4	10 8	...	...	...	...	10 4	10 4	11 0	13 4	13 8	16 0	.	...	..
Presidency Division.		Calcutta	11 3	10 10	12 14	16 14	17 12	18 11	8 11	8 10	8 15	12 8	12 12	14 4	...	..	...
	7	24-Pergunnahs	10 8	10 8	13 0	20 0	20 0	17 0	8 0	8 0	8 0	14 0	15 0	16 0	...	...	...
	8	Nuddea .	13 10	13 1	15 4	26 10½	20 0	16 0	10 5	11 7	11 13½	13 5	13 10	15 9¼	..		...
	9	Khoolna ...	...	...	...	...	.	...	13 0	13 0	12 0	14 8	14 8	13 0	.	.	...
	10	Jessore ...	11 0	12 0	12 12	..	...	...	11 8	11 8	11 8	16 0	16 0	14 8	..	...	...
	11	Moorshedabad	13 4	13 4	15 0	..	.	...	10 0	11 8	10 0	13 4	15 0	18 0	...	...	...
Chittagong Division.	12	Chittagong ...	9 12	10 0	12 0	...	...	...	9 8	11 0	11 0	13 0	15 0	16 4	...	...	...
	13	Noakholly ...	...	...	...	.	...	...	13 0	14 0	16 0	14 0	15 0	18 0	...	...	...
	14	Tipperah ...	10 0	10 0	10 0	..	.	.	10 10	10 0	11 7	14 12	13 14	18 8			...
	15	Chittagong Hill Tracts.	..	...	...	...	...	...	10 6	11 6	10 5	11 5	12 0	11 6¾	..	.	...
Dacca Division.	16	Dacca ..	11 0	11 0	12 0	21 0	19 0	14 0	12 4	12 12	14 0	14 4	14 8	15 0	...	...	...
	17	Furreedpore ...	16 0	16 0	16 0	16 0	16 0	20 0	9 0	11 0	12 0	16 0	17 0	16 0	...	..	...
	18	Backergunge ...	...	..	..	..	...	...	11 0	11 6	14 8	14 8	15 0	18 10	...	...	...
	19	Mymensingh .	9 0	10 0	10 8	...	.	.	13 4	12 0	10 8	16 0	14 8	16 0		..	...
Rajshahye Division.	20	Dinagepore ...	12 0	12 0	12 0	17 8	17 0	20 0	10 12	11 0	15 8	13 3	12 0	19 4	...	.	...
	21	Rajshahye ...	12 0	12 0	15 12	26 4	26 4	24 0	9 12	10 8	12 0	14 4	12 12	15 12	...	.	...
	22	Rungpore	8 0	8 0	13 5			...	10 0	10 0	9 6	10 4	10 4	14 8	...	...	

A In subdivisions retail prices of salt per rupee are :—Culna 10 seers, Cutwa 11¾ seers, and Kat oogungo 10 seers.
B At Bishengunge retail price of salt 10 seers per rupee.
C At Rampore Hât retail price of salt 10½ seers per rupee.
D In subdivisions retail prices of salt per rupee are :—Ghatal 11 seers, Tumlook 10 seers, and Contai 11 seers.
E In subdivisions retail prices of salt per rupee are :—Serampore (at Bhudressur) 12¼ seers and Jehanabad 10 seers 10 chittacks.
F At Uluberia retail price of salt 10½ seers per rupee.
G In subdivisions retail prices of salt per rupee are :—Baraset 10 seers 10 chittacks, Bussirhat (at Baduria) 7½ seers, Magraha 10 seers 10 chittacks, Dum-Dum 10 seers.
H In subdivisions retail prices of salt per rupee are :—Kooshtea 10 seers, Meherpore 9½ seers, Chooadanga 10 seers, and Ranaghat 10 seers.
I In subdivisions retail prices of salt per rupee are :—Satkhira 10½ seers and Bagirhat 8 seers.
J In subdivisions retail prices of salt per rupee are :—Jhenidah 10 seers, Magura 10 seers, Narail 9 seers 10 chittacks, and Bongong 10½ seers.

Head-quarters Station Bazars of the Districts of Bengal on the 15th December, 1891.

Indian-corn or Maize (*Zea Mays.*)			Arhar or thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Wholesale prices per maund of 40 seers. Salt.			Districts	Number.	Division
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	BENGAL.		
...	...	...	16 0	16 8	18 0	100 0	100 0	100 0	11 4 [A]	11 4	11-1-3 [K]	3 6 0	3 5 8	3 7 6	Burdwan.	1	Burdwan Division.
22 0	22 0	30 0	17 0	16 4	15 0	200 0	200 0	280 0	11 8 [B]	11 8	10 8	3 10 0	3 10 0	3 10 0	Bankoora.	2	
...	...	...	13 5	13 5	12 0	200 0	200 0	160 0	10 8 [C]	10 8	10 8	3 10 0	3 10 0	3 10 0	Beerbhoom.	3	
...	...	...	10 0	10 0	12 0	120 0	130 0	110 0	10 0 [D]	10 0	10 8	4 0 0	4 0 0	3 13 0	Midnapore.	4	
...	...	...	11 0	11 0	11 0	120 0	120 0	120 0	10 0 [E]	10 0	9 0	3 12 0	3 12 0	3 12 0	Hooghly.	5	
...	...	..	11 4	12 0	11 4	100 0	100 0	100 0	10 8 [F]	10 8	10 8	3 5 6	3 6 0	3 8 0	Howrah.	6	
17 11	16 8	17 15	15 2	14 12	15 12	95 0	95 0	90 0	11 0	11 4	10 12	3 6 0	3 4 7	3 6 8	Calcutta.		
...	...	...	16 0	15 0	15 0	100 0	100 0	100 0	11 0 [G]	11 0	10 12	3 3 0	3 4 0	3 6 6	24-Pergunnahs.	7	Presidency Division.
...	...	...	16 0	16 0	16 0	...	...	...	10 10½ [H]	9 13	9 13	3 9 0	3 10 0	3 11 0	Nuddea.	8	
...	...	...	...	...	...	160 0	160 0	160 0	9 8 [I]	9 8	9 8	4 0 0	4 0 0	4 2 0	Khoolna.	9	
...	...	...	15 0	15 0	16 0	160 0	160 0	160 0	9 2 [J]	9 2	9 2	3 10 0	3 12 0	4 0 0	Jessore.	10	
...	...	...	16 0	16 0	16 0	200 0	200 0	200 0	10 8 [K]	11 8	11 0	3 12 0	3 8 0	3 10 0	Moorshedabad.	11	
...	...	...	...	...	...	110 0	110 0	110 0	10 8 [L]	10 8	10 0	3 8 0	3 8 0	3 11 0	Chittagong.	12	Chittagong Division.
...	...	..	8 0	8 0	8 0	...	...	...	8 0 [M]	8 0	9 0	4 8 0	4 8 0	4 0 0	Noakholly.	13	
...	...	...	6 0	6 0	10 0	...	...	...	10 0 [N]	10 0	10 0	3 14 0	3 14 0	4 0 0	Tipperah.	14	
...	...	...	...	...	...	320 0	320 0	320 0	8 0	8 0	8 0	4 8 0	4 8 0	4 8 0	Chittagong Hill Tracts.	15	
...	...	...	16 0	14 0	14 0	120 0	120 0	120 0	10 0 [O]	10 0	9 12	3 12 0	3 12 0	4 0 0	Dacca.	16	Dacca Division.
...	...	...	...	...	16 0	...	...	120 0	10 0 [P]	10 0	9 12	3 12 0	3 12 0	4 0 0	Furreedpore.	17	
...	...	...	Khesari, husked. 15 0	15 0	13 0	100 0	100 0	120 0	10 0 [Q]	10 0	9 0	3 10 0	3 10 0	3 12 0	Backergunge.	18	
...	...	...	10 0	10 0	10 0	...	...	.	10 4 [R]	10 0	10 0	3 14 0	3 14 0	4 0 0	Mymensingh.	19	
...	...	...	16 0	16 0	15 8	160 0	160 0	160 0	10 8 [S]	10 4	10 0	3 12 0	3 14 0	4 0 0	Dinagepore.	20	Rajshahye Division.
...	...	...	20 5	16 11	18 4	240 0	240 0	240 0	9 9 [T]	9 9	9 9	3 10 8	3 10 8	3 13 4	Rajshahye.	21	
...	...	...	13 0	13 5	10 10	100 0	100 0	100 0	9 4 [U]	9 4	9 6	4 6 0	4 6 0	4 4 0	Rungpore.	22	

K Retail price of salt at Kandi 10½ seers per rupee.
L Retail price of salt at Cox's Bazar 8 seers per rupee.
M Retail price of salt at Feni 9 seers per rupee.
N In subdivisions retail prices of salt per rupee are :—Brahmanberia 10 seers and Chandpore 9 seers.
O In subdivisions retail prices of salt per rupee are :—Manickgunge 9 seers and Naraingunge 10¾ seers.
P In subdivisions retail prices of salt per rupee are :—Goalundo 10 seers and Madaripore 11¼ seers.
Q In subdivisions retail prices of salt per rupee are :—Perozepore 9 seers, Patuakhali 9 seers, and Bhola 8 seers.
R In subdivisions retail prices of salt per rupee are :—Kishoregunge 8 seers, Tangail 10 seers, Jamalpore 9 seers, Sherpore 8 seers, and Netrokona 8 seers.
S At Thakurgaon retail price of salt 8 seers per rupee.
T In subdivisions retail prices of salt per rupee are :—Nattore 9 seers and Nowgong 9 seers 9 chittacks.
U In subdivisions retail prices of salt per rupee are :—Nilphamari 10 seers, Karigram 8 seers, and Gaibanda 9 seers 6 chittacks.

PRICES-CURRENT (retail) of Food-grains, Firewood, and Salt in the Head-quarters

Division	Number	DISTRICTS.	QUANTITIES PER RUPEE IN — Wheat. Present return.	Wheat. Next preceding return.	Wheat. Corresponding return of last year.	Barley. Present return.	Barley. Next preceding return.	Barley. Corresponding return of last year.	Rice, best sort. Present return.	Rice, best sort. Next preceding return.	Rice, best sort. Corresponding return of last year.	Rice, common. Present return.	Rice, common. Next preceding return.	Rice, common. Corresponding return of last year.	Jowar or Cholum (Sorghum Vulgare). Present return.	Jowar or Cholum. Next preceding return.	Jowar or Cholum. Corresponding return of last year.
BENGAL—continued.			S Ch.	S. Ch.	S. Ch.	S Ch.	S. Ch.	S. C.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
Rajshahye Division—contd.	23	Bogra ...	10 8	11 8	15 0	...	...	...	12 0	12 0	12 0	15 0 13 8	New. 15 12 Old. 14 4	18 0 15 0	...	...	...
	24	Pubna	13 8	13 8	18 0	..			7 8	7 8	7 6	15 0	15 0	16 8	.	.	...
	25	Darjeeling	9 0	9 0	10 8	10 0	10 0	12 0	5 0	5 0	5 0	11 0	11 0	13 0	..	...	...
	26	Julpigoree	10 0	11 0	12 0	14 0	16 0	16 0	7 0	6 0	8 0	11 8	11 0	16 0	..	..	...
BEHAR.																	
Bhagulpore Division.	27	Monghyr .	13 10	13 8	14 12	20 8	20 0	16 13	10 8	10 8	13 2	13 10	13 0	17 14	...	...	..
	28	Bhagulpore ...	13 14	13 14	16 6	21 0	21 7	20 3	11 6 13 4	11 6 ...	12 10 16 6	Old. 12 10 New. 14 8	13 4 ...	16 6 20 3	...	.	...
	29	Purneah ...	11 0	11 0	17 0	16 0	16 0		10 0	10 0	20 0	12 0	11 0	22 0	...	..	...
	30	Maldah ...	13 0	12 12	14 8	...	...	.	10 0	10 0	12 0	13 0	13 8	16 8	...	...	...
	31	Southal Perghs.	11 0	11 0	14 0	.			13 0	13 0	13 0	16 0	16 0	20 0	...		...
Patna Division.	32	Patna ...	16 0 15 0	Red. 16 4 White. 13 8	17 4 15 4	27 0	26 0	19 8	11 8	11 8	11 0	18 0	17 0	19 8	25 0	...	...
	33	Gya ...	12 8	12 8	15 8	21 0	24 0	20 0	10 8	10 8	10 0	13 12	14 12	20 0	...	...	...
	34	Shahabad ...	13 8	13 8	15 8	20 0	22 0	16 0	8 0	9 0	9 0	14 0	15	17 0	...	...	...
	35	Durbhunga ..	13 3	14 4	16 8	22 0	22 0	18 11		11 12	13 3	13 12	13 0	18 12	...	...	...
	36	Mosufferpore	12 0	13 0	17 0	25 0	25 0	20 0	11 0	11 0	12 0	New. 13 0	12 0	18 0	...	...	...
	37	Sarun ...	13 2	13 0	16 8	24 0	23 8	19 8	8 8	9 4	8 12	13 11	13 4	15 8	...	...	...
	38	Chumparun ...	13 8	14 0	18 0	22 0	21 0	22 0	10 0	10 0	9 0	Old. 12 0 New. 17 0	12 0 17 0	18 0	...	...	...
ORISSA																	
Orissa Division.	39	Cuttack ...	7 14	7 14	13 2	...	..	...	10 8	10 8	10 8	13 2	13 2	21 0	...	...	...
	40	Pooree ...	8 2	9 7	13 2	...	...	...	11 13	10 8	14 7	15 12	15 12	21 0	...	...	...
	41	Balasore ...	12 0	12 0	15 0	10 0	10 0	13 0	13 0	13 0	13 0	19 0	19 0	22 0	..	...	...
CHOTA NAGPORE.																	
Chota Nagpore Division.	42	Hazaribagh ...	12 0	12 0	14 0	18 0	16 0	19 0	8 0	8 0	11 0	14 8	15 8	20 0	...	...	...
	43	Lohardugga ...	9 0 7 4	Red. 10 0 White. 7 4	14 8 8 0	18 0	14 8	...	12 0	12 8	17 0	Ordinary. 16 0 Coarse. 16 8	16 0 16 8	21 0 23 0	...	...	...
	44	Singbhoom ...	15 0	14 0	16 0	16 0	16 0	16 0	16 0	14 0	12 0	20 0	18 0	20 0	...	...	...
	45	Manbhoom	11 0	11 4	13 5	...	...	..	14 0	13 0	14 0	19 8	19 8	22 0	...	...	...

V At Serajgunge retail price of salt 12 seers per rupee.
W Retail price of salt at Kurseong and Silliguri 8 seers per rupee.
X In subdivisions retail prices of salt per rupee are :—Begusorai 9½ seers and Jamui 10 seers.
Y In subdivisions retail prices of salt per rupee are :—Banka (Amarpur) 10 seers, Mudehpura 10 seers, and Supool 10 seers.
Z In subdivisions retail prices of salt per rupee are :—Kishengunge 8 seers and Arrareah 10 seers.
a In subdivisions retail prices of salt per rupee are :—Godda 9 seers, Jamtara 10 seers, Rajmehal 10½ seers, Deoghur 10 seers 10 chittacks, and Pakour 10½ seers.
b In subdivisions retail prices of salt per rupee are :—Barh 11½ seers, Behar 10 seers, and Dinagepore 10 seers.
c In subdivisions retail prices of salt per rupee are :—Sasseram 10½ seers, Buxar 10½ seers, and Bhabuah 10 seers.

CALCUTTA,
The 22nd December, 1891.

Station Bazars of the Districts of Bengal on the **15th** *December*, 1891—(concluded).

Indian-corn or Maize (*Zea Mays.*) Present return.	Next preceding return.	Corresponding return of last year.	Arhar or Thur, Cajan Pea (*Cajanus Indicus.*) Present return.	Next preceding return.	Corresponding return of last year.	Firewood. Present return.	Next preceding return.	Corresponding return of last year.	Salt. Present return.	Next preceding return.	Corresponding return of last year.	Wholesale prices per maund of 40 seers. Salt. Present return.	Next preceding return.	Corresponding return of last year.	Districts.	Number.	Division
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
															BENGAL—*continued.*		
...	...	...	...	...	...	90 0	90 0	90 0	9 12	9 9	9 0	3 13 4	3 14 8	4 0 0	Bogra.	23	Rajshahye Division—*contd.*
...	...	...	...	...	17 4	200 0	200 0	200 0	[v] 8 15	8 15	8 15	3 12 0	3 12 0	3 14 0	Pubna.	24	Rajshahye Division—*contd.*
16 0	16 0	20 0	...	...	8 0	120 0	120 0	120 0	[w] 8 0	8 0	8 0	5 0 0	5 0 0	5 0 0	Darjeeling.	25	Rajshahye Division—*contd.*
...	...	...	8 0	8 0	10 0	200 0	200 0	200 0	10 0	10 0	10 0	4 0 0	4 0 0	4 0 0	Julpigoree.	26	Rajshahye Division—*contd.*
															BEHAR.		
...	21 0	18 15	16 4	16 0	15 12	148 0	110 0	165 0	[x] 10 8	10 8	10 8	3 12 0	3 12 0	3 10 6	Monghyr.	27	Bhagulpore Division.
21 7	20 3	21 7	16 6	16 6	17 11	164 0	164 0	151 8	[y] 10 11	10 11	10 1	3 12 0	3 12 0	3 12 0	Bhagulpore.	28	Bhagulpore Division.
17 0	16 0	...	13 0	13 8	13 0	84 0	81 0	..	[z] 10 0	10 0	9 0	4 0 0	4 0 0	4 7 0	Purneah.	29	Bhagulpore Division.
...	...	...	...			120 0	120 0	120 0	9 8	9 8	9 0	3 12 0	3 12 0	4 0 0	Maldah.	30	Bhagulpore Division.
23 0	24 0	24 0	16 0	16 0	20 0	200 0	200 0	200 0	[a] 9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	Sonthal Perghs.	31	Bhagulpore Division.
25 0	24 8	23 8	19 0	19 0	...	120 0	120 0	130 0	[b] 11 12	11 8	9 8	3 7 0	3 8 0	3 9 6	Patna.	32	Patna Division.
...	...	...	15 4	15 4	17 0	140 0	140 0	160 0	10 0	10 0	10 0	3 14 0	3 14 0	1 2 0	Gya.	33	Patna Division.
22 0	21 8	...	16 0	15 0	17 0	160 0	120 0	160 0	[c] 10 0	10 8	10 0	4 0 0	3 13 0	3 15 0	Shahabad.	34	Patna Division.
22 0	20 8	22 0	16 0	16 8	17 9	160 0	165 0	160 0	11 0	11 0	11 0	3 6 0	3 6 0	3 8 0	Durbhunga.	35	Patna Division.
21 0	22 0	20 0	14 0	14 0	18 0	160 0	160 0	160 0	[d] 11 0	11 0	11 10	3 10 0	3 10 0	3 12 0	Mozufferpore.	36	Patna Division.
23 4	23 4	19 8	16 4	16 12	16 8	160 0	160 0	180 0	[e] 10 12	10 8	10 4	3 11 0	3 12 0	3 11 6	Sarun.	37	Patna Division.
22 0	22 0	22 0	14 8	15 0	17 0	160 0	160 0	160 0	[f] 10 8	10 0	10 0	3 12 0	3 13 0	3 13 0	Chumparun.	38	Patna Division.
															ORISSA.		
...	...	...	16 7	17 11	17 1	80 0	80 0	80 0	[g] 11 0	11 0	11 0	3 12 0	3 12 0	3 12 0	Cuttack.	39	Orissa Division.
...	...	..	15 12	13 2	17 12	80 0	80 0	80 0	[h] 11 13	11 13	9 13	3 6 0	3 6 0	3 12 0	Pooree.	40	Orissa Division.
...	...	...	...	...	...	160 0	160 0	160 0	[i] 10 8	10 8	10 0	3 12 0	3 12 0	3 14 0	Balasore.	41	Orissa Division.
															CHOTA NAGPORE		
20 0	24 0	24 0	16 8	17 0	19 0	240 0	240 0	240 0	[j] 10 0	10 0	9 0	3 12 0	3 12 0	4 0 0	Hazaribagh.	42	Chota Nagpore Division.
20 0	22 0	28 0	Small. 18 8 Big. 12 0	18 8 12 0	24 0 ...	160 0	160 0	150 0	[k] 10 0	9 12	9 0	4 0 0	3 15 0	4 4 0	Lohardugga.	43	Chota Nagpore Division.
20 0	16 0	20 0	16 0	16 0	21 0	160 0	160 0	240 0	9 0	9 0	8 0	4 4 0	4 4 0	5 0 0	Singbhoom.	44	Chota Nagpore Division.
...	...	26 0	16 0	...	18 0	200 0	200 0	200 0	[l] 10 10	10 10	9 14	3 10 0	3 10 0	3 11 0	Manbhoom.	45	Chota Nagpore Division.

d In subdivisions retail prices of salt per rupee are:—Hajipore 10¼ seers and Sitamarhi 10 seers.
e At Gopalgunge retail price of salt 11 seers 5 chittacks per rupee.
f At Bettiah retail price of salt 10 seers per rupee.
g In subdivisions retail prices of salt per rupee are:—Jajpore 8 seers and Kendrapara 9 seers.
h At Khoorda retail price of salt 11 seers per rupee.
i At Bhuddruck retail price of salt 9 seers per rupee.
j In Giridi subdivision (at Whitty Bazar) retail price of salt 11 seers per rupee.
k In Palamow subdivision (at Gurwa) retail price of salt 9 seers per rupee.
l At Govindpore retail price of salt 9 seers per rupee.

Published for general information.

C. E. BUCKLAND,
Secretary to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Sal

Number.	MARTS.	Wheat.			Barley.			Rice, best sort.			Rice, common.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	3 5 3	3 6 1	2 13 2	2 1 7	1 15 7	1 14 2	4 5 6	4 5 10	4 3 5	2 15 0	2 14 5	2 9 3
2	Serajgunge	3 2 0	3 0 0	1 12 0	...	...	...	4 12 0	4 12 0	4 12 0	2 15 0	3 0 0	2 8 0
3	Dacca ...	3 8 0	3 8 0	3 4 0	1 12 0	2 0 0	2 12 0	3 4 0	3 2 0	2 12 0	2 12 0	2 11 0	2 10 0
4	Naraingunge	...	...	...	...	...	...	2 8 0	2 14 0	3 0 0	2 4 0	2 8 0	2 12 0
5	Chittagong	4 0 0	4 0 0	3 4 0	...	...	...	4 0 0	3 8 0	3 10 0	3 0 0	2 10 0	2 6 0
6	Patna ...	2 8 0 2 10 6	Red. 2 7 6 White. 2 15 3	2 5 3 2 9 0	1 6 9	1 8 6	2 0 0	3 8 0	3 8 0	3 8 0	2 3 6	2 5 6	2 0 0
7	Balasore ...	3 4 0	3 4 0	2 8 0	3 12 0	3 12 0	3 0 0	3 0 0	3 0 0	3 0 0	2 1 0	2 1 0	1 13 0
8	Pooree ...	4 14 0	...	...	...	...		4 9 0	...	...	2 8 6	2 8 6	1 14 3
9	Cuttack ...	5 0 0	5 0 0	3 0 0	...	...	...	3 10 0	3 10 0	3 10 0	3 0 0	3 0 0	1 11 0

CALCUTTA,
The 22nd December, 1891.

in the undermentioned Marts of Bengal on the 15*th December*, 1891.

Gram, Chana, Chhola, Kadalay or Sunaga. (*Cicer Arietinum.*)			Indian-corn or Maize. (*Zea Mays.*)			Arhar or Thur, Cadjan Pea. (*Cajanus indicus.*)			Firewood.			Salt.			Marts.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
2 5 3	2 3 6	2 0 10	2 0 3	2 2 9	1 15 7	2 6 4	2 7 5	2 4 6	0 5 9	0 5 9	0 5 9	3 6 0	3 4 7	3 6 8	Calcutta.
2 11 0	2 12 0	2 8 0	...	...	...	...	...	...	0 6 6	0 6 6	0 6 6	3 5 0	3 5 0	3 14 0	Serajgunge.
2 8 0	2 6 0	2 8 0	...	...	...	2 8 0	2 12 0	2 12 0	0 5 0	0 5 0	0 5 0	3 12 0	3 12 0	4 0 0	Dacca.
3 8 0	3 8 0	3 4 0	...	...	...	3 8 0	3 8 0	3 4 0	0 8 0	0 8 0	0 8 0	3 8 0	3 8 0	3 11 0	Naraingunge
3 5 0	3 4 0	3 2 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 4	3 5 0	3 8 0	3 11 0	Chittagong.
1 11 6	1 13 0	1 14 6	1 9 6	1 10 0	1 10 6	2 1 6	2 1 6	..	0 5 4	0 5 4	0 5 0	3 7 0	3 8 0	3 9 6	Patna.
2 12 0	2 12 0	2 12 0	...	...	.	...	...	...	0 4 6	0 4 6	0 4 6	3 12 0	3 12 0	3 14 0	Balasore.
(Kalai.) 3 5 0	...	...	...	...	..	2 8 0	...	...	0 8 0	...	...	3 6 0	3 6 0	3 12 0	Pooree.
3 0 0	(Kalai.) 2 13 0	2 10 0	...	...	...	2 8 0	2 4 0	2 2 0	0 8 0	0 8 0	0 8 0	3 12 0	3 12 0	3 12 0	Cuttack.

Published for general information.

C. E. BUCKLAND,
Secretary to the Govt. of Bengal.

Meteorological Report of the Province of Bengal.

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree ...	30·045	29·994	—	N	240	84·7	18th Dec.	62·1	13 & 14 Dec.	82·9	64·3	73·6	—	69·1
		Gopalpore ...	30·051	30·012	0	NNW	350	83·7	17 & 19 „	59·0	14th „	82·1	63·8	73·0	+1·8	68·6
		False Point ..	30·050	30·013	—·019	N	257	79·9	19th „	60·5	13th „	77·7	65·1	71·4	+4·3	69·2
	Cuttack	Cuttack ...	30·007	30·033	+·001	NE	47*	84·3	18 & 19 „	55·9	13 & 14 „	82·6	59·7	71·2	+0·8	66·8
	Balasore	Balasore ..	30·035	30·040	—·003	NW	87	82·4	18 & 19 „	51·5	13 & 14 „	81·0	56·0	68·5	+2·2	61·7
South-West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	30·061	30·031	—·001	NNE	2?0	81·2	19th „	57·4	14 & 15 „	78·7	59·3	69·0	+1·6	64·3
	Midnapore	Midnapore ..	29·940	30·053	+·004	N	243	83·3	18 & 19 „	53·2	14th „	81·3	55·9	68·6	+1·8	62·0
	24-Pergunnahs, Howrah, Hooghly	Calcutta ...	30·079	30·047	+·009	NEly	79	80·7	19th „	55·2	14th „	79·1	57·6	68·4	+2·3	64·2
	Burdwan	Burdwan ...	30·015	30·067	+·016	N & Calm.	36	82·0	18th „	55·3	14 & 15 „	80·5	56·4	68·4	+1·6	61·2
	Bankoora	Bankoora ...	29·780	30·046	+·005	Wly & Calm.	54	81·1	18th „	52·8	13, 14, & 15 „	79·4	54·1	66·8	—0·3	59·4
	Beerbhoom, West Burdwan	Raneegunge ...	29·768	30·087	+·008	NWly	50	81·1	18th „	52·0	13 & 14 „	80·2	53·7	67·0	+1·0	56·6
	Moorshedabad	Berhampore ...	30·036	30·055	+·013	N	38	79·1	19th „	55·7	16 & 17 „	77·9	56·2	67·1	+1·2	58·4
	Nuddea	Krishnaghur...	30·051	30·050	+·016	NNW	68	81·2	19th „	52·3	19th „	79·9	53·3	66·5	+0·3	61·4
	Jessore, Khoolna	Jessore ...	30·050	30·040	+·011	Calm	41	81·2	18th „	54·0	14th „	79·6	56·2	67·9	+1·4	62·1
East Bengal.	Chittagong	Chittagong ...	29·994	30·032	+·010	NNE & Calm.	30	85·7	17 & 18 „	60·1	16th „	83·1	62·2	72·7	+4·6	68·5
	Chittagong Hill Tracts	Demagiri ...	Observations not received.													
	Backergunge	Burrisal ...	30·073	30·031	+·030	NEly & Calm.	50	81·8	18th Dec.	53·1	13th „	79·6	58·7	69·2	+3·1	63·3
	Noakhally	Noakholly ...	30·045	30·030	+·031	N	75	81·5	18th „	54·0	13 & 14 „	81·8	58·6	70·3	+4·1	66·2
	Furreedpore	Furreedpore ...	30·060	30·049	+·030	N & Calm	41	74·0	16 & 18 „	53·5	14th „	73·6	55·4	64·6	—0·7	61·5
	Dacca	Dacca ...	30·065	30·036	+·017	NNW	74	82·6	18th „	55·8	14 & 15 „	81·5	57·3	69·4	+1·7	62·7
	Commillah	Commillah ..	30·055	30·039	+·024	N & Calm	10	83·9	18th „	52·6	13th „	81·7	57·0	69·3	+3·0	64·1
	Mymensingh	Mymensingh	30·034	30·045	+·025	Calm	29	79·8	14th „	52·6	19th „	78·9	54·5	66·7	+1·7	60·2
North Bengal.	Bogra	Bogra .	30·013	30·039	+·036	NE	21	78·3	13, 14, 15, 17 & 18 „	52·2	18 & 19 „	78·0	53·1	65·6	0	58·7
	Pubna	Serajgunge ..	30·044	30·042	+·016	Variable	10	80·0	18th „	50·8	19th „	78·9	52·5	65·7	+0·6	60·0
	Rajshahye	Rampore Beauleah.	30·025	30·048	+·039	Nly	45	78·9	13 & 15 „	53·3	16 & 17 „	77·7	54·5	66·1	+2·5	59·4
	Maldah	Maldah ...	30·040	30·076	—	NW	91	80·3	14th „	51·5	16th „	79·6	53·7*	66·7*	—	60·5
	Dinagepore	Dinagepore ...	29·982	30·061	+·016	NE & N	32	80·6	13th „	48·9	15 & 18 „	78·9	50·1	64·5	+0·8	58·1
	Rungpore	Rungpore ...	29·993	30·077	+·024	NEly	45	79·2	14th „	51·7	16th „	78·2	52·2	65·2	+1·7	58·9
	Julpigoree, Cooch Behar	Julpigoree	29·824	30·078	+·028	N	75	79·4	13th „	51·6	18th „	78·0	53·0	65·5	+1·8	59·3
	Darjeeling Hill Tracts.	Darjeeling	23·000	—	+·039	ENE	87	57·4	14th „	35·2	18th „	53·5	38·3	45·9	+3·3	43·8
North Behar.	Purneah, North Bhagulpore	Purneah ..	29·997	30·085	+·038	Calm	0	79·2	13 & 14 „	46·8	13 & 14 „	78·6	47·4	63·0	+0·4	58·5
	Mozufferpore	Mozufferpore	29·935	30·079	—	Calm	25	77·7	14th „	48·3	16th „	76·5	49·1	62·8	—	54·1
	Durbhunga	Durbhunga	29·969	30·099	+·033	Calm	28	78·6	14th „	52·1	13 & 14 „	76·8	52·4	64·6	+0·3	56·6
	Chumparun	Mottihari .	29·881	30·079	+·0?9	Calm	46	78·2	14th „	45·9	17 & 18 „	77·2	46·6	62·0	+0·9	54·0
	Sarun	Chupra ..	29·946*	30·091*	+·062*	Calm	34	76·8	14th „	49·1	13th „	75·9	51·3	63·6	—1·0	56·1
South Behar.	Shahabad	Dehree .	29·778	30·104	+·036	SSW	86	75·8	17th „	50·5	13th „	75·3	53·7	64·0	+2·6	58·?
		Buxar* ...	29·907	30·116	+·045	Wly	50	75·9	14, 16, 19 „	47·9	13th „	75·6	50·6	63·1	+0·8	59·?
		Arrah .	29·932	30·087	+·046	W	3?	76·6	14th „	?	?	75·5	?	?	?	55·?
	Gya	Gya ...	29·765	30·118	+·041	S	120	77·3	14th „	40·8	15th „	75·9	51·4	63·7	+0·2	56·?
	Patna	Bankipore ..	29·955	30·100	+·031	W	45	76·2	18th „	47·8	13th „	73·7	50·4	62·0	—0·7	59·?
	South Bhagulpore, Monghyr	Bhagulpore ...	29·954	30·076	+·028	Calm	4	78·3	16th „	49·0	13th „	77·6	51·2	64·4	+2·1	58·?
	Sonthal Pergunnahs ...	Doomka ...	29·590	30·080	+·027	Variable	60	78·6	18th „	51·1	13th „	77·6	52·6	65·1	+1·8	57·?
Chutia Nagpur.	Hazaribagh	Hazaribagh ...	28·043	30·083	+·013	Calm	70	76·8	16th „	44·9	13th „	74·5	50·3	62·4	+1·6	58·?
	Lohardugga, Manbhoom	Ranchee ...	27·913	30·071	+·019	NW	86	76·5	18th „	40·4	13th „	74·6	50·5	62·6	+2·0	58·?
	Singbhoom	Chyebassa ...	29·326	30·060	+·035	Variable	23	80·5	18th „	46·5	14th „	78·5	50·9	64·7	—0·1	61·?

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last
The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 19th of December 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
66	2·7	Nil	Nil	0·18	Nil	0·76	—0·76	8·33	6·29	+2·04	0·00	0·17	Pooree ...	Pooree ...	Orissa.
72	0·7	Nil											Gopalpore ...		
61	2·6	Nil											False Point ..		
66	1·7	Nil	Nil	0·13	Nil	0·50	—0·50	7·69	3·97	+3·72	0·00	0·11	Cuttack ...	Cuttack ...	
75	0	Nil	Nil	0·08	Nil	0·26	—0·26	3·97	2·65	+1·32	0·00	0·09	Balasore ...	Balasore ...	
84	4·6	Nil	Nil	0·06	Nil	0·34	—0·34	2·54	4·13	—1·59	0·00	0·12	Saugor Island ...	South-West Midnapore; South 24 Pergunnahs	South-West Bengal.
66	1·1	Nil	Nil	0·08	Nil	0·24	—0·24	0·28	1·81	—1·53	0·00	0·07	Midnapore .	Midnapore ...	
71	0·9	Nil	Nil	0·07	Nil	0·28	—0·28	0·46	1·74	—1·28	0·00	0·12	Calcutta ..	24-Pergunnahs; Howrah; Hooghly	
67	2·6	Nil	Nil	0·05	0·02	0·16	—0·14	0·34	1·60	—1·06	0·00	0·07	Burdwan ...	Burdwan ...	
73	1·1	Nil	Nil	0·12	Nil	0·26	—0·26	0·56	1·65	—1·09	0·00	0·15	Bankoora ..	Bankoora ...	
74	0·9	Nil	Nil	0·08	Nil	0·13	—0·13	1·35	1·05	+0·30	0·00	0·08	Raneegunge ...	Beerbhoom; West Burdwan	
91	1·6	Nil	Nil	0·03	Nil	0·15	—0·15	1·34	0·95	+0·39	0·00	0·09	Berhampore ...	Moorshedabad ...	
81	1·9	Nil	Nil	0·04	0·01	0·13	—0·12	0·74	1·59	—0·85	0·00	0·08	Krishnagur ..	Nuddea ...	
85	1·7	Nil	Nil	0·04	0·01	0·23	—0·22	1·85	2·08	—0·23	0·00	0·11	Jessore ...	Jessore ...; Khoolna	
87	6·1	0·22	—	0·05	—	0·48	—	—	4·92	—	—	0·08	Chittagong ...	Chittagong ...	East Bengal.
			Nil	0·03	Nil	0·51	—0·51	3·33	4·25	—0·92	0·00	0·15	Demagiri ...	Chittagong Hill Tracts	
82	1·3	Nil	Nil	0·03	Nil	0·37	—0·37	1·34	3·42	—2·08	0·00	0·09	Barrisal .	Backergunge ..	
82	0·1	0·06	0·03	0·04	0·03	0·79	—0·76	2·43	4·74	—2·31	0·00	0·10	Noakhally ...	Noakhally ...	
89	0·9	Nil	Nil	0·02	Nil	0·13	—0·13	1·94	1·64	+0·30	0·00	0·09	Furreedpore ..	Furreedpore ...	
81	3·0	Nil	Nil	0·03	Nil	0·23	—0·23	2·47	2·26	+0·21	0·00	0·12	Dacca ...	Dacca ...	
88	1·3	Nil	Nil	0·03	Nil	0·36	—0·36	5·67	2·35	+3·32	0·00	0·10	Commillah ...	Commillah ...	
91	2·3	Nil	Nil	0·02	Nil	0·15	—0·15	1·91	1·82	+0·09	0·00	0·05	Mymensingh .	Mymensingh ...	
88	0	Nil	Nil	0·02	Nil	0·15	—0·15	2·34	1·24	+1·10	0·00	0·07	Bogra ...	Bogra ...	North Bengal.
94	1·4	Nil	Nil	0·01	Nil	0·10	—0·10	1·05	1·68	—0·63	0·00	0·05	Serajgunge ...	Pubna ...	
83	0·6	Nil	Nil	0·01	Nil	0·12	—0·12	1·22	1·04	+0·18	0·00	0·06	Rampore Beauleah	Rajshahye ...	
82	0	Nil	Nil	0·02	Nil	0·10	—0·10	0·14	1·18	—1·04	0·00	0·09	Maldah ..	Maldah ...	
84	0·3	Nil	Nil	0·02	Nil	0·16	—0·16	0·19	0·74	—0·55	0·00	0·08	Dinagepore	Dinagepore ...	
86	0	Nil	Nil	0·03	Nil	0·15	—0·15	0·17	1·11	—0·94	0·00	0·09	Rungpore ..	Rungpore ...	
81	0	Nil	Nil	0·05	Nil	0·15	—0·15	Nil	1·32	—1·32	0·00	0·10	Julpigoree .	Julpigoree; Cooch Behar	
84	1·3	Nil	Nil	0·14	Nil	0·24	—0·24	0·71	2·23	—1·52	0·00	0·28	Darjeeling ..	Darjeeling Hill Tracts	
89	0·4	Nil	Nil	0·02	Nil	0·09	—0·09	Nil	1·08	—1·08	0·00	0·05	Purneah .	Purneah; North Bhagulpore	North Behar.
93	0	Nil	Nil	0·05	Nil	0·09	—0·09	0·06	0·92	—0·86	0·00	0·10	Mozufferpore .	Mozufferpore ...	
89	0	Nil	Nil	0·03	Nil	0·07	—0·07	Nil	0·78	—0·78	0·00	0·07	Durbhunga ..	Durbhunga ...	
90	0·4	Nil	Nil	0·03	Nil	0·17	—0·17	Nil	0·45	—0·45	0·00	0·11	Motihari	Chumparun ...	
91	0	Nil	Nil	0·07	Nil	0·14	—0·14	0·05	0·88	—0·83	0·00	0·12	Chupra ..	Sarun ...	
80	0·6	Nil	Nil										Dehree ..		South Behar.
76	0·7	Nil	Nil	0·09	Nil	0·27	—0·27	0·04	1·39	—1·35	0·00	0·11	Buxar ..	Shahabad ...	
85	0·9	Nil											Arrah ..		
74	3·3	Nil	Nil	0·06	Nil	0·18	—0·18	0·20	0·95	—0·75	0·00	0·05	Gya ...	Gya ...	
78	0·7	Nil	Nil	0·04	Nil	0·12	—0·12	0·13	1·23	—1·10	0·00	0·05	Bankipore ...	Patna ...	
72	0·3	Nil	Nil	0·03	Nil	0·07	—0·07	0·07	1·22	—1·15	0·00	0·06	Bhagulpore ...	South Bhagulpore; Monghyr	
76	0	Nil	Nil	0·04	Nil	0·10	—0·10	0·49	1·16	—0·67	0·00	0·10	Doomka ...	Sonthal Pergunnahs ..	
70	1·4	Nil	Nil	0·14	Nil	0·26	—0·26	0·15	1·14	—0·99	0·00	0·15	Hazaribagh ...	Hazaribagh ...	Chutia Nagpur.
64	1·9	Nil	Nil; Nil	0·20; 0·08	Nil; Nil	0·30; 0·19	—0·30; —0·19	0·18; 0·46	1·51; 1·19	—1·33; —0·73	0·00; 0·00	0·20; 0·10	Ranchi ...	Lohardugga; Maunbhoom	
70	0	Nil	Nil	0·16	Nil	0·37	—0·37	0·64	1·75	—1·21	0·00	0·20	Chyebassa ...	Singbhoom ...	

...en years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...lenoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean ...
...en years. The means of the district are the numerical average of the rainfall return received in the district, *i.e.*, from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 19th of December 1891.

Meteorological division.	District.	Station.	RAINFALL. Sunday, 13th Dec.	Monday, 14th Dec.	Tuesday, 15th Dec.	Wednesday, 16th Dec.	Thursday, 17th Dec.	Friday, 18th Dec.	Saturday, 19th Dec.	TOTAL— Number of rainy days.	TOTAL— Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA	Pooree	Pooree	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·08	15·91	7·22
		Khurdah	...	...	...	...	...	...	...	Nil	Nil	0·16	Nil	0·40	3·74	4·54
		Banpur	...	...	...	...	...	...	...	Nil	Nil	0·42	Nil	1·08	1·77	6·23
		False Point	...	...	...	...	...	...	...	Nil	Nil	0·09	Nil	0·79	12·23	7·16
		Gor	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Satpara	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4·10	?
		Pipli	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·98	?
	Cuttack	Jagatsingpore	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·33	12·47	4·10
		Banki	...	...	...	...	...	...	...	Nil	Nil	0·38	Nil	0·66	1·17	3·50
		Cuttack	...	...	...	...	...	...	...	Nil	Nil	0·10	Nil	0·32	4·87	4·01
		Kendrapara	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·50	10·72	4·15
		Jajpore	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·60	3·24	8·30
		Dharmsala	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	5·36	?
		Salipore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	8·20	?
	Balasore	*Akhoyapada*	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4·74	?
		Chandbali	...	...	...	...	...	...	...	Nil	Nil	0·09	Nil	0·53	11·05	3·93
		Bhuddruck	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·24	5·85	2·85
		Sorah	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·13	3·93	2·65
		Balasore	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·35	2·47	3·46
		Jellasore	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·11	0·82	1·22
		Baripodah	...	...	...	...	...	...	...	Nil	Nil	0·13	Nil	0·15	0·35	1·87
SOUTH-WEST BENGAL.	Midnapore	Contai	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·41	2·49	4·83
		Saugor Island	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·30	4·44	5·02
		Tumlook	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·28	0·35	2·46
		Midnapore	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·17	0·19	2·11
		Ghattal	...	...	...	...	...	...	...	Nil	Nil	0·10	Nil	0·28	0·33	0·88
		Kukrahaty	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·31	?
		Garbetta	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·19	?
	24-Pergunnahs	Diamond Harbour	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·26	0·70	2·47
		Canning Town	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2·34	?
		Alipore Jail	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·35	0·43	2·19
		Barrackpore	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·30	0·28	1·68
		Dum-Dum	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·30	0·40	1·85
		Barasot	...	...	...	...	...	...	...	Nil	Nil	0·09	Nil	0·31	0·36	1·86
		Buseerhat	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·24	1·28	1·76
	Howrah	Howrah	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·31	0·29	1·99
		Mohesreka	...	...	...	...	...	...	...	Nil	Nil	0·07	Nil	0·29	0·41	1·27
		Oolooberiah	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·36	?
	Hooghly	Serampore	...	...	...	...	...	...	...	Nil	Nil	0·07	Nil	0·28	0·49	1·59
		Hooghly	...	...	...	...	...	...	...	Nil	Nil	0·07	Nil	0·23	0·33	1·76
		Jehanabad	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·20	0·30	1·50
	Burdwan	Culna	...	...	...	...	...	...	...	Nil	Nil	0·05	0·06	0·16	0·34	1·62
		Burdwan	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·21	0·28	1·68
		Cutwa	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·09	0·08	1·51
		Raneegunge	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·11	0·56	1·15
		Mankur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·85	?
	Bankoora	Bankoora	...	...	...	...	...	...	...	Nil	Nil	0·09	Nil	0·22	0·69	1·62
		Bishenpore	...	...	...	...	...	...	...	Nil	Nil	0·11	Nil	0·24	0·37	1·61
		Maliara	...	...	...	...	...	...	...	Nil	Nil	0·12	Nil	0·21	0·65	1·27
		Khatra	...	...	...	...	...	...	...	Nil	Nil	0·16	Nil	0·35	0·50	2·06
		Indas	...	...	...	...	...	...	...	Nil	Nil	?	0·03	?	0·48	?
		Kotalpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·30	?
		Anda	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·41	?
		Gangajalghati	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·29	?
		Raipore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·82	?
		Sonamukhi	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·51	?
	Beerbhoom	Bh. Soory	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·11	1·45	1·35
		Helampore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·11	1·52	0·66
		Rampore Haut	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·18	1·88	0·99
		Bolpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2·10	?
		Murari	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·56	?
	Nuddea	Ranaghat	...	...	...	...	...	...	...	Nil	Nil	0·06	0·04	0·21	0·60	1·71
		Kishnaghur	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·08	1·30	1·22
		Chooadanga	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·14	0·47	1·99
		Meherpore	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·13	0·30	1·42
		Kooshtea	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·10	1·00	1·59
	Khoolna	Satkhira	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·24	3·13	2·21
		Bagirhat	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·23	2·78	2·18
		Khoolna	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·31	3·89	2·33
		Nakipur	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2·82	?
		Rampal	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·89	?
	Jessore	Naraii	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·22	2·13	2·36
		Jessore	...	...	...	...	...	...	...	Nil	Nil	0·05	0·04	0·20	1·43	2·20
		Jhenidah	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·15	0·34	1·92
		Magoorah	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·25	0·52	1·54
		Bongong	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·22	0·50	1·94
	Moorshedabad	Kandi	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·10	1·20	1·20
		Berhampore	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·16	1·06	1·00
		Lalbagh	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·15	0·86	1·01
		Azimgunge	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·11	1·86	0·92
		Jungipore	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·12	1·43	0·81
		Lalgola	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·11	1·60	0·72
		Akrigunj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·63	?
		Palkabari	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·10	?
EAST BENGAL	Chittagong	Cox's Bazar	...	...	0·02	0·03	...	...	...	Nil	0·04	0·08	0·04	0·32	4·01	6·01
		Chittagong	...	...	...	...	0·04	...	...			0·02		0·63		3·78
		Kutubdia										?		?		?
		Satkanya	...	...	...	...	0·03	...	...			?		?		?
	Chittagong Hill Tracts.	Rangamati	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·51	3·33	4·25
		Bundarbun	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3·04	?
	Backergunge	Patuakhally	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·42	0·03	3·62
		Perozepore	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·27	1·09	3·07
		Burrisal	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·27	2·21	3·81
		Bhola	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·52	0·53	3·43

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 19th of December 1891—contd.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL—			Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
			Sunday, 13th Dec.	Monday, 14th Dec.	Tuesday, 15th Dec.	Wednesday, 16th Dec.	Thursday, 17th Dec.	Friday, 18th Dec.	Saturday, 19th Dec.	Number of rainy days.	Rainfall of week.	Average normal rainfall of week.				
EAST BENGAL—*concld.*		*Gournaddi* ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·01	?
		Bauphal ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·56	?
	Noakholly ...	Noakholly ..	......	......	......	......	......	......	0·06	Nil	0·06	0·02	0·06	0·55	2·77	4·03
		Fenny ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	1·00	2·09	5·42
		Harishpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·47	?
		Ramganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·39	?
	Furreedpore	Madaripore ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·15	4·24	1·63
		Furreedpore...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·14	1·07	1·60
		Goalundo ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·10	0·53	1·07
	Dacca ...	Munshigunge	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·34	3·78	2·58
		Dacca ..	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·19	1·90	1·57
		Narainganj	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·28	3·34	3·30
		Manickgunge	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·12	0·82	1·53
		Joydebpore .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·95	?
	Hill Tipperah	Agartola ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·35	7·40	3·18
	Tipperah ...	Comilla ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·45	6·42	2·35
		Chandpore ...	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·40	[illegible]	1·79
		Brahmunberia	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·25	4·59	2·08
		Ramchandrapore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·42	?
		Nasirnagar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·53	?
		Daudkandi ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·17	?
		Kasba ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	7·41	?
		Laksham ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·05	?
	Mymensingh..	Kishoreganj	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·15	1·67	1·57
		Atia (*Tangail*)	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·09	0·63	1·00
		Mymensingh	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·12	2·57	1·82
		Jamalpore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·20	3·00	1·66
		Netrokona ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·17	1·71	2·48
		Subornakhally	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·10	?
		Durgapore ...	......	......	......	......	......	......	......	Nil	Nil	?		?	Nil	?
		Sherepore Town	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·08	?
		Dewanganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·84	?
NORTH BENGAL.	Pubna ...	Pubna ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·10	0·99	1·60
		Serajgunge ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·10	1·09	1·73
	Bogra ...	Sherepore ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·18	2·04	1·55
		Nowkhilla ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·12	2·67	1·42
		Bogra ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·07	3·00	1·36
		Panchbibi ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·20	0·45	0·64
	Rajshahye ...	Beauleah ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·10	0·31	1·08
		Nattore ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·10	1·44	1·24
		Naogaon ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·17	1·90	0·78
		Lalpore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·07	?
		Mande ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·00	?
	Maldah ...	Maldah ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·14	0·26	1·50
		Chanchal ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·04	0·03	0·80
		Gajol ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	?
		Sibganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·93	?
	Dinagepore ...	Mohadebpore	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·17	0·70	0·47
		Churamon ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·16	0·08	0·43
		Raigunge ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·17	Nil	0·37
		Dinagepore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·08	Nil	1·90
		Baloorghat .	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·24	0·17	0·54
		Thakoorgaon	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Rungpore ...	Bhowanigunge (*Gyabanda*)	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·14	0·54	1·26
		Rungpore ...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·08	0·09	1·58
		Kurigram ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·17	0·06	0·92
		Bagdogra (*Nilphamari*)	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·21	Nil	0·69
		Ulipore ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·48	?
	Julpigoree ...	Julpigoree ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·10	Nil	2·26
		Alipore Dooar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Debiganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bhagatpore (Nagrakatta)	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·41	?
	Cooch Behar..	Dinhatta ...	......	......	......	......	......	......	......	Nil	Nil	0·14	Nil	0·22	Nil	1·09
		Cooch Behar...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·11	Nil	1·23
		Mekligunge...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·10	Nil	1·06
		Matabhanga...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·13	Nil	0·92
	Darjeeling Hill.	Buxa ..	......	......	......	......	......	......	......	Nil	Nil	0·19	Nil	0·34	2·30	3·61
		Silliguri ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·10	Nil	0·78
		Darjeeling ...	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·24	0·07	3·80
		Kalimpong ..	......	......	......	......	......	......	......	Nil	Nil	0·23	Nil	0·30	0·47	0·55
		Kurseong ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
NORTH BEHAR	Purneah ...	Kissengunge...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·10	Nil	1·08
		Arrareah ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·08	Nil	0·91
		Purneah ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·15	Nil	1·62
		Gondwara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Barsoe ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?		?
		Mattari ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Kaliaganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddepore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·05	Nil	0·91
		Soopool ..	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·09	Nil	0·87
		Protabganj ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Durbhunga ...	Tajpore ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·06	Nil	0·80
		Durbhunga ...	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·12	Nil	0·84
		Madhubani ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·06	Nil	0·75
		Bahera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Roshera ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamarhi ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·08	Nil	0·57
		Mozufferpore	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·08	Nil	[illegible]
		Hajipore ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·09	0·17	[illegible]
		Para ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Mahua ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sirhar ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pupri ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 19th of December 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 13th Dec.	Monday, 14th Dec.	Tuesday, 15th Dec.	Wednesday, 16th Dec.	Thursday, 17th Dec.	Friday, 18th Dec.	Saturday, 19th Dec.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
NORTH BEHAR—*concluded.*	Chumparun	Motihari	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·13	Nil	0·45
		Bettiah	......	......	......	......	......	......	......	Nil	Nil	0·08	Nil	0·19	Nil	0·42
		Bagaha	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sarun	Gopalgunge	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·17	0·07	0·37
		Sewan	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·11	0·09	1·16
		Chuprah	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·14	Nil	1·12
SOUTH BEHAR	Shahabad	Buxar	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·13	0·18	1·24
		Dehree	......	......	......	......	......	......	......	Nil	Nil	0·19	Nil	0·57	Nil	1·50
		Bhaboosh	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·22	Nil	1·66
		Sasseram	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·24	Nil	1·50
		Arrah	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·17	Nil	1·02
		Mohaniah	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·25	Nil	0·76
		Gya	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·17	0·73	1·13
		Nowadah	......	......	......	......	......	......	......	Nil	Nil	0·07	Nil	0·13	0·07	0·94
		Jehanabad	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·16	Nil	0·94
		Arwal	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Naudnagar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sherghatti	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·26	?
		Rajauli	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Pakri Barawan	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·03	?
	Patna	Patna	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·12	0·21	1·19
		Dinapore	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·12	0·10	1·17
		Behar	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·10	0·06	1·28
		Barrh	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·11	0·13	1·26
		Bickram	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hilsa	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
	Monghyr	Begooserai	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·07	0·05	1·46
		Monghyr	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·07	Nil	1·32
		Jamui	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·07	0·10	0·87
		Gogri	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Sheikpura	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore.	Bhagulpore	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·08	0·01	1·08
		Banka	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·06	0·18	1·36
		Kolgong	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Bongaon	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·06	0·14	1·04
		Godda	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·10	0·08	0·90
		Pakour	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·08	1·85	0·98
		Nya Doomka	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·12	0·38	1·11
		Deoghur	......	......	......	......	......	......	......	Nil	Nil	0·04	Nil	0·07	0·18	1·73
		Jamtara	......	......	......	......	......	......	......	Nil	Nil	0·09	Nil	0·15	0·30	1·25
		Mohagama	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	?	?
		Nanihat	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·76	?
CHUTIA NAGPUR.	Hazaribagh	Pachamba (*Giridi*).	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·11	Nil	1·11
		Hazaribagh	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·24	0·15	1·23
		Semtagurah	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·31	Nil	0·99
		Mahudi Hills	......	......	......	......	......	......	......	Nil	Nil	0·16	Nil	0·30	Nil	0·96
		Jhoomra Hills	......	......	......	......	......	......	......	Nil	Nil	0·24	Nil	0·31	0·59	1·20
		Barhi	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·07	?
		Chatra	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·05	?
		Karagdeha	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·17	?
		Ramghar	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·15	?
	Lohardugga	Lohardugga	......	......	......	......	......	......	......	Nil	Nil	0·36	Nil	0·52	0·22	1·83
		Ranchi	......	......	......	......	......	......	......	Nil	Nil	0·13	Nil	0·24	0·24	1·41
		Palamow	......	......	......	......	......	......	......	Nil	Nil	0·12	Nil	0·10	0·06	1·33
		Silli	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Balumat	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Hosseinabad	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Gurwah	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
	Singbhoom	Chyebassa	......	......	......	......	......	......	......	Nil	Nil	0·16	Nil	0·37	0·54	1·75
		Chakradharpore.										?		?		?
		Ghatsilla	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·88	?
		Baharagura	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·62	?
	Manbhoom	Purulia	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·22	0·65	1·19
		Gobindpore	......	......	......	......	......	......	......	Nil	Nil	0·06	Nil	0·16	0·25	1·18
		Raghunathpore.	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	Nil	?
		Barrabhoom	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·70	?
		Jhalda	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·23	?
		Chas	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·19	?

Explanation.—......indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 22nd December* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY THE 19TH OF DECEMBER 1891.

At the close of the previous week ordinary north-east monsoon conditions obtained in Bengal, and these have continued practically without interruption in almost all districts throughout the present week. There have been the usual slight oscillations of pressure, temperature, &c., but fine settled weather has prevailed except for one or two days in the Chittagong district, where a few drops of rain fell on the 15th to the 17th instant. On the 13th the barometric changes were very small, and at some stations pressure was rising and at others falling, while temperature on the whole had fallen slowly on this day. In the south-west corner of the Bay a feeble barometric depression had formed on the 12th, or the last day of the previous week, and on the 13th it had given rather heavy rain to the South Madras coast, but the depression was evidently commencing to fill up. On the 14th in Bengal pressure fell rather rapidly, though it still remained above the normal, while the temperature changes were generally in an upward direction. In the south of the Bay the barometric depression had continued to fill up, but there had again been heavy rain at some of the Madras stations, and weather still continued in a disturbed state in the southern half of the Bay. On the 15th pressure continued to fall very slowly in Bengal, and temperature had again risen slightly and had become above the normal in all districts. In the south-west of the Bay, also, pressure had risen slowly, and though strong winds continued to be reported over the southern half of the Bay, there was no evidence of the existence of any depression. Pressure again fell slowly in Bengal on the 16th, and temperature also rose moderately, while over the Bay pressure was rising along the Madras coast and falling elsewhere, and strong winds were still blowing in the centre and south of the Bay, and weather was distinctly disturbed over that area. It was about this period that skies became rather clouded over in parts of South-East Bengal and a few unimportant showers were reported. On the 17th the continued fall of pressure in Bengal had ceased, and was succeeded by a rather brisk rise, which caused pressure to become almost normal; but temperature, on the other hand, continued to rise at many stations, and was from about 2° to 6° above the normal. Over the southern half of the Bay, also, the disturbed conditions with rather strong winds continued, and these conditions had probably advanced northwards in the Bay, though they were confined to the sea area, and weather in Bengal was practically unaffected by them. On the 18th a further slight rise of pressure was generally reported, but temperature was steady, and in the Bay the conditions were similar to those of the 16th and 17th On the 19th, however, a further moderately rapid rise of pressure took place in Bengal, and the general pressure of the province became about a twentieth of an inch in excess of the normal, while temperature commenced to fall slowly, but the mean temperature was still above the normal by about 2° to 4° or 5°; a very light shower was, however, reported from Noakholly on this day. On the 19th also the conditions in the Bay began to improve, and winds in the centre and south fell off in force, and from this day again weather conditions in the Bay became more normal.

It will therefore be seen that ordinary cold season conditions have been present practically uninterruptedly throughout the week in Bengal, but that in the centre and south of the Bay the weather conditions have been very decidedly disturbed for almost the whole of this period.

Pressure—Fell for the first three or four days of the week and rose for the remaining portion. The mean pressure for the whole period has therefore not been very far removed from the normal, and at many stations in South Bengal and Orissa the variations only equal a few thousandths of an inch. At the stations further inland, however, pressure has been in distinct excess of the normal, the excess usually equalling about 0·02″ or 0·03″.

Temperature—Rose for about the first four or five days and fell at the close of the week, but almost on every day and at most stations temperature was above the normal. For the whole province the mean temperature for the week has been 1·5° in excess; but the excess has been largest in Orissa and East Bengal, where it has equalled more than 2°, while, on the other hand, temperature has been almost normal in Behar.

This variation of temperature is, however, most clearly seen in the table below, where the average maximum, minimum, and mean temperatures for the week at nine typical stations in different districts of the province are compared with the normal values for the same period

From this table it will be seen that the principal variations have again occurred in the day or maximum temperatures, which average about 3° above the normal, while the night or minimum temperatures have been nearly normal :—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 19th December 1891.

	Normal mean maximum temperature for the week ending 19th December.	Actual mean maximum temperature for the week ending 19th December 1891.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 19th December.	Actual mean minimum temperature for the week ending 19th December 1891.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 19th December.	Actual mean daily temperature for the week ending 19th December 1891.	Variation of actual mean from the normal.
Cuttack	82·3	82·6	+0·3	58·2	59 7	+1·5	70·3	71·2	+0·9
Calcutta	76·3	79·1	+2·8	56·0	57·6	+1·6	66·1	68·4	+2 3
Dacca	78 4	81 5	+3·1	57·1	57 3	+0·2	67·7	69·4	+1·7
Burdwan	77 8	80·5	+2·7	55 9	56·4	+0·5	66·8	68·4	+1·6
Patna	74·1	73·7	—0·4	51·3	50·4	– 0·9	62·8	62·0	—0 8
Gya	75 6	75 9	+0·3	51·4	51·4	0	63·5	63·7	+0·2
Purneah	76·0	78 6	+2·6	49·1	47·4	—1·7	62·6	63·0	+0·4
Hazaribagh	71·3	74·5	+3 2	50·4	50·3	—0·1	60·8	62·4	+1 6
Darjeeling	48·9	53·5	+4·6	36·3	38·3	+2·0	42·6	45·9	+3·3

Rainfall.—Except for a few drops of rain in the Chittagong and Noakholly districts, the whole province has again been rainless throughout the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 19th of December 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	84·7	51·5	81·3	61·8	71·5	+2·3	Nil	0·12	—0·12	0·00	0 12	– 0·12	Nil	0·48	6·44	4·06
South-West Bengal ...	83·3	52·0	79·6	55·9	67·7	+1·2	Nil	0·06	—0·06	0·00	0·10	—0·10	Nil	0·22	1·05	1·77
East Bengal	85·7	52·6	80·0	57·7	68·9	+2·5	Nil	0·03	—0 03	0·00	0·09	—0·09	Nil	0·33	2·40	2·77
North Bengal	80·6	48·9	78·5	52·7	65 6	+1·2	Nil	0·03	—0·03	0·00	0·08	—0·08	Nil	0·15	0·65	1·15
North Behar	79·2	45·9	77 0	49·4	63·2	+0·7	Nil	0·04	—0·04	0·00	0·09	—0·09	Nil	0·10	0·02	0·87
South Behar	78·6	47·8	75·9	51·5	63·7	+1·1	Nil	0·05	—0·05	0·00	0·08	—0·08	Nil	0·14	0·19	1·18
Chutia Nagpur	76·8*	40·4	74·6	50·4	62·5	+1·8	Nil	0·15	—0·15	0·00	0·16	—0·16	Nil	0·27	0·25	1·30

* Chyebassa no included.

METEOROLOGICAL OFFICE, BENGAL,
The 22*nd December* 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th December 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature. Mean.	Temperature. Maximum.	Temperature. Range.	Temperature. Minimum.	Hygrometry. Mean wet bulb.	Hygrometry. Vapour tension.	Hygrometry. Dew point.	Hygrometry. Humidity.	Wind. Prevailing direction.	Wind. Miles recorded.	Rain.	Weather.
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Dec.	13th	132·5	9·0	30 058	65·8	77·8	20 7	57·1	59·8	0·437	55·2	70	N by E and NNE	89	Nil	Partially cloudy, ▲.
,,	14th	131·5	8·4	·022	65·1	77·6	23·0	54 6	60·2	·459	56·5	75	NNE and N ..	72	,,	Partially coudy, ▲, ≡.
,,	15th	131 1	8·2	29.996	67·2	79·0	22·0	57·0	61·4	·170	57·2	72	N, NNE and N by E.	78	,,	Partially cloudy, ▲.
,,	16th	131·5	9·2	30·001	68·6	79·6	22 2	57 4	61 7	·460	56·6	67	NNE and ENE	80	,,	Clear.
,,	17th	133·6	9·2	·029	68·7	80 4	21·2	59·2	62·2	·475	57·5	69	ENE and NNE ..	73	,,	Clear.
,,	18th	132 7	8·8	·037	68·7	80 9	22 7	58 2	61·1	·439	55·4	63	ENE and N ...	71	,,	Chiefly clear, ▲.
,,	19th	132 1	9·3	·078	67·5	78 8	19·6	59·2	60 5	·436	55·2	65	N by E and N by W.	72	,,	Clear, ▲.

	Inches.
The mean pressure of the seven days	30·032
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	30 030
	Hours.
The total number of hours of bright sunshine	62·1
The maximum possible number of hours of sunshine	75·0
	°
The mean temperature of the seven days	67·4
The average temperature of the corresponding period for 24 years, S.-G.'s Office	67·5
The extreme variation of temperature	26·3
The maximum temperature	80·9
	Miles.
The highest velocity of the wind in one hour	9
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	69
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	71
	Inches.
The total fall of rain from 13th to 19th December 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	0 01
The total fall from 1st January to 19th December 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ..	65·23

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph

The mouth of the rain-gauge is one foot above the ground.

▲, dew; ≡, fog.

C. Little,
For Meteorological Reporter to the Govt. of India.

Meteorological Office, Govt. of India;
Calcutta, the 21st December 1891.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 13th to 19th December 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature. Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Hygrometry. Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	Rainfall past 24 hours.
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
December ...	13th ...	30·126	67·0	78 9	22·0	56·9	71·6	62·7	·452	56·2	57	...
,, ...	14th ...	·096	66·9	78·4	23·0	55·4	70·8	63·2	·480	57·8	64	...
,, ...	15th ...	·085	68·7	79·9	22·5	57·4	72·6	64·6	·504	59·2	62	...
,, ...	16th ...	·064	69·4	79·9	21·0	58 9	74·6	64·6	·477	57·6	55	...
,, ...	17th ...	·096	70·6	81·3	21·4	59·9	74·6	64·6	·477	57·6	55	...
,, ...	18th ...	·096	70·4	81·9	23·0	58·9	75·6	65·4	·491	58·4	56	...
,, ...	19th ...	·159	70·1	79·7	19·2	60·5	73·2	63·6	·462	56·8	56	...

				Inches.
The mean 10 A.M. pressure of the seven days	...	...	...	30·103
The mean temperature of the seven days	...	...	...	69·1
The extreme variation of temperature	...	...	...	26·5
The maximum temperature	...	...	...	81·9
				%
The mean 10 A.M. relative humidity of the seven days		...	...	58
The total fall of rain from 13th to 19th December 1891		...	...	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 21*st December* 1891.

STATEMENT SHOWING THE RESULTS OF THE REGISTRATION OF BIRTHS AND DEATHS IN THE PRINCIPAL MUNICIPALITIES IN BENGAL DURING THE WEEK ENDING WITH SATURDAY, THE 28TH NOVEMBER 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 28th November 1891.

1	2	3			4			5			6	7							8							9	10		11		12
DISTRICTS.	NAMES OF MUNICIPALITIES.	POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
					Number of—			Ratio per 1,000 of population per annum.			Ratio of male births to every 100 female births.	Diseases. Deaths from—							Ratio per 1,000 of population per annum.							Ratio of deaths per 1,000 of population per annum in the preceding week.	Sex. Deaths.		Ratio per 1,000 of population per annum.		Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
		Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*		Cholera.	Small-pox.	Fever.	Dysentery and diarrhoea.	Injury.	Other causes.	*All causes.*	Cholera.	Small pox.	Fever.	Dysentery and diarrhoea.	Injury.	Other causes.	*All causes.*		Male.	Female.	Male.	Female.	
Burdwan	Burdwan	18,063	16,017	34,080	4	7	*11*	6·1	10·7	*16·8*	57	3	..	8	6	...	5	*22*	4·6	..	12·2	9·2	..	7·6	*33·6*	36·6	7	15	20·2	48·7	41
	Raniganj	6,846	4,091	10,937	1	3	*4*	4·7	14·3	*19·0*	33	3		5	1	...	5	*14*	14·3	..	23·8	4·7	...	23·8	*66·6*	42·8	8	6	65·6	66·5	100
Bankura	Bankura	8,970	8,925	17,895	6	7	*13*	17·4	20·3	*37·8*	85	...		6	2			*8*	..	.	17·4	5·8	.	..	*23·2*	40·4	4	4	23·2	23·3	100
Birbhum	Soori	3,982	3,866	7,848		3	*3*	..	19·9	*19·9*	No male birth.	..		2	..	...	...	*2*	...	.	13·3	...	...	...	*13·3*	72·9	1	1	13·1	13·5	97
Midnapore	Midnapore	16,927	16,633	33,560	6	15	*21*	9·3	23·2	*32·5*	40	..	..	8	2	.	9	*19*	...	..	12·4	3·1	...	13·9	*29·4*	48·0	10	9	30·7	28·1	109
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	6	7	*13*	9·8	11·5	*21·3*	85	9		40	11	...	9	*69*	14·8	.	65·6	18·0	...	14·8	*113·2*	101·7	33	36	108·2	118·3	91
	Serampore	13,509	12,987	26,496	13	8	*21*	25·5	15·7	*41·2*	162	6	..	19	11		14	*50*	11·8	.	37·3	21·0	..	27·4	*98·1*	117·5	26	24	99·7	96·5	103
	Utterpara	3,046	2,464	5,510	3		*3*	28·3	..	*28·3*	No female birth.	2	.	3	2	.	5	*12*	18·9	.	28·3	18·9	...	47·1	*113·2*	56·6	5	7	55·4	147·7	57
Howrah	Howrah	53,153	37,660	90,813	17	26	*43*	9·7	14·9	*24·6*	65	6		21	4	..	10	*41*	3·4	..	12·0	2·3	..	5·7	*23·5*	26·9	20	21	19·6	29·0	67
	Bali	7,836	6,979	14,815	6	1	*7*	21·1	3·5	*24·6*	600	1		5	1	...	3	*10*	3·5	..	17·5	3·5		10·5	*35·1*	45·6	6	4	39·8	29·3	133
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	8	8	*16*	15·8	15·8	*31·6*	100	11	..	25	6	1	8	*51*	21·7		49·4	11·9	2·0	15·8	*100·9*	55·0	25	26	50·8	132·4	61
	Manicktolla	16,536	12,112	28,648	6	8	*14*	10·9	14·5	*25·4*	75	5	.	12	..	.	2	*19*	9·1		21·8	...	...	3·6	*34·5*	25·4	8	11	25·2	47·2	53
	Baranagore	15,920	14,062	29,982	11	9	*20*	19·1	15·6	*34·7*	122	10	.	15	3	.	3	*31*	17·3		26·0	5·2	...	5·2	*53·8*	45·1	13	18	42·5	60·6	64
	South Suburban	26,400	25,258	51,658	16	13	*29*	16·1	13·1	*29·2*	123	6	.	25	6	1	12	*50*	6·0		25·2	6·0	1·0	12·1	*50·3*	18·1	28	22	55·2	45·3	122
Nuddea	Krishnagar	13,263	14,214	27,477	14	5	*19*	26·5	9·5	*36·0*	280	4	..	31	2	...	5	*42*	7·5		58·7	3·8	...	9·5	*79·5*	39·7	25	17	98·0	62·2	157
	Ranaghat	4,028	4,655	8,683	1	...	*1*	6·0	.	*6·0*	No female birth.	3	..	2	..	1	1	*7*	17·9		12·0	...	6·0	6·0	*41·9*	18·0	3	4	38·7	44·7	87
	Santipore	13,708	15,979	29,687	10	4	*14*	17·5	7·0	*24·5*	250	4		12	...		3	*19*	7·0		21·0	..	.	5·3	*33·3*	14·0	9	10	34·1	32·5	105
Jessore	Jessore	4,830	3,665	8,495	1	2	*3*	6·1	12·2	*18·4*	50	1	.	8	1	1		*11*	6·1	..	48·9	6·1	6·1	..	*67·3*	6·1	8	3	86·1	42·6	202
Murshedabad	Berhampore	11,657	11,948	23,605	5	3	*8*	11·0	6·5	*17·6*	166	11	.	3	1	...	10	*25*	24·2	.	6·6	2·2		22·0	*55·1*	59·5	9	16	40·1	69·6	57
	City Murshedabad	18,901	20,330	39,231	19	14	*33*	25·2	18·5	*43·7*	135	5	.	34	4		5	*48*	6·6	.	45·1	5·3	..	6·6	*63·6*	55·3	24	24	66·0	61·4	107
Khulna	Khulna	3,249	3,043	6,292	3	1	*4*	24·8	8·2	*33·0*	300			7	.	.	..	*7*	.		57·9	...			*57·9*	16·5	5	2	80·0	34·2	214
Dinajpore	Dinajpore	7,254	5,306	12,560	2	6	*8*	8·3	24·8	*33·1*	33	3		6	5	...	4	*18*	12·4		24·8	20·7		16·6	*74·3*	86·9	13	5	93·2	49·0	190

Rajshahye ...	**Rampore Beauleah**	10,766	9,025	19,791	6	12	*18*	15·8	31·5	*47·3*	50	15	...	25	2	...	1	*44*	39·4	...	68·3	5·3	...	2·6	*115·6*	57·8	22	22	106·3	126·8	84
Rungpore ...	**Rungpore** ...	8,011	5,309	13,320	6	4	*10*	23·4	15·6	*39·0*	150	..	...	19	1	...	...	*20*	...	...	74·2	3·9	...	...	*78·1*	19·5	14	6	90·9	58·8	154
Bogra ...	**Bogra** ...	3,480	2,699	6,179	3	4	*7*	25·2	33·7	*58·9*	75	...	...	3	....	...	...	*3*	...	...	25·2	...	...	...	*25·2*	75·7	1	2	14·9	38·5	38
Pubna ...	Pubna ...	7,761	7,566	15,267	9	7	*16*	30·7	23·8	*54·5*	128	27	..	8	...	..	3	*38*	92·0	..	27·2	...	...	10·2	*129·4*	126·0	9	29	60·8	199·3	30
	Serajganj ...	11,213	9,824	21,037	7	5	*12*	17·3	12·4	*29·7*	140	2		4	1	...	7	*14*	4·9	...	9·9	2·5	...	17·3	*34·6*	37·1	8	6	37·1	31·8	116
Darjeeling ...	Darjeeling	4,579	2,439	7,018	12	4	*16*	88·9	29·6	*118·6*	300	...	.	7	...	...	1	*8*	...	...	51·9	...	...	7·4	*59·3*	7·4	5	3	56·8	64·0	89
Julpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	2	1	*3*	13·1	6·5	*19·6*	200	...	..	8	1	...	2	*11*	...	...	52·3	6·5	...	13·1	*72·0*	39·3	6	5	62·8	87·4	72
Dacca ..	Dacca ...	42,782	37,379	80,161	23	26	*49*	11·9	16·9	*31·8*	88	7	..	18	5	1	19	*50*	4·5	...	11·7	3·2	·6	12·3	*32·4*	37·6	30	20	36·5	27·8	131
	Narainganj ...	7,605	4,956	12,561	8	9	*17*	33·1	37·3	*70·4*	58	17		3	2	...	6	*28*	70·4	...	12·4	8·3	...	24·8	*115·9*	124·2	13	10	123·1	104·9	117
Faridpore ...	Faridpore ...	5,663	4,600	10,263	2	4	*6*	10·1	20·3	*30·4*	50	1	...	6	1	..	4	*12*	5·0	...	30·4	5·0	...	20·3	*60·8*	50·7	7	5	61·3	56·5	113
Backerganj ..	Barisal ...	8,701	4,485	13,186	5	2	*7*	19·7	7·9	*27·6*	250	.	..	7	...	...	2	*9*	...	..	27·6	..	...	7·9	*35·5*	31·5	5	4	29·9	46·4	64
Mymensing ...	Nasirabad ...	10,443	4,413	14,856	3	1	*4*	10·5	3·5	*14·0*	300	...	..	1	1	...	4	*6*	.	...	3·5	3·5	..	14·0	*21·0*	21·0	4	2	19·9	23·6	84
Chittagong ...	Chittagong ..	13,340	8,790	22,130	3	3	*6*	7·0	7·0	*14·1*	100	..	...	2	..	1	...	*3*	..	..	4·7	...	2·3	...	*7·0*	4·7	3	...	11·7	...	No female death.
Noakhali ..	Sudharam ...	3,410	1,714	5,124	.	..	...	...	...	...	...	..		2	.	...	.	*2*	...	..	20·2	...	...	..	*20·2*	...	1	1	15·2	30·3	50
Tipperah ...	Comillah ...	8,153	5,353	13,506	7	12	*19*	27·0	46·2	*73·2*	58	.		5	1	...	5	*11*	..	..	19·3	3·8	...	19·3	*42·4*	57·5	5	6	31·9	58·3	55
Patna ...	Patna City ...	78,762	81,475	160,237	33	35	*68*	10·7	11·4	*22·1*	94	22	1	22	...	2	24	*71*	7·1	·3	7·1	...	·6	7·8	*23·0*	24·0	36	35	23·8	22·3	107
	Behar ...	23,799	25,172	48,971	17	24	*41*	15·0	25·5	*43·5*	70	...	.	18	2	...	7	*27*	..	...	19·1	2·1	...	7·4	*28·7*	31·9	20	7	43·7	14·5	301
Gya ...	Gya	38,290	37,831	76,121	15	23	*38*	10·2	15·7	*26·0*	65	6	.	45	2	...	17	*70*	4·1	..	30·7	1·4	...	11·6	*47·8*	41·7	39	31	53·0	42·6	124
Shahabad ...	Arrah ...	20,960	22,505	43,465	22	10	*32*	26·3	12·0	*38·3*	220	...	..	11	2	...	6	*19*	...		13·1	2·4	...	7·2	*22·7*	19·1	12	7	27·7	16·2	171
	Buxar ...	9,299	8,369	17,668	8	2	*10*	23·5	5·9	*29·4*	400	1	.	9	...	...	2	*12*	2·9	...	26·5	...	...	5·9	*35·3*	26·5	8	4	44·7	24·9	179
Mozufferpore ..	Mozufferpore ...	23,084	19,658	42,742	15	18	*33*	18·2	21·9	*40·1*	83	3		2	9	...	8	*22*	3·6	...	2·4	10·9	...	9·7	*26·8*	21·9	13	9	29·3	23·8	123
Durbhanga ...	Durbhanga ...	33,774	32,322	66,096	26	21	*47*	20·5	16·5	*37·0*	123	2	..	29	...	...	8	*38*	1·6	...	22·0	...	.	6·3	*29·9*	29·9	23	15	35·4	24·1	147
Sarun ...	Chupra ...	25,116	26,554	51,670	14	22	*36*	14·1	22·1	*36·2*	63	1	..	8	6	...	22	*37*	1·0	...	8·0	6·0	...	22·1	*37·2*	36·2	21	16	43·5	31·3	139
Chumparun ...	Motihari ...	6,328	3,979	10,307	3	4	*7*	15·1	20·2	*35·3*	75	...	...	3	1	...	2	*6*	...	..	15·1	5·0	...	10·1	*30·3*	45·4	4	2	32·9	26·1	198
Monghyr ...	Monghyr ...	28,154	29,366	57,520	22	21	*43*	19·9	19·0	*38·9*	104	2	...	13	5	1	14	*35*	1·8	..	11·7	4·5	·9	13·7	*31·6*	48·8	18	17	33·2	30·1	110
	Jamalpore .	7,456	6,107	13,563	8	7	*15*	30·7	26·8	*57·5*	114	1	...	5	1	...	2	*9*	3·8	..	19·1	3·5	...	7·6	*34·5*	38·3	4	5	27·9	42·6	65
Bhagulpore ...	Bhagulpore ...	34,916	33,322	68,238	29	24	*53*	22·1	18·3	*40·4*	120	16	.	37	10	1	9	*67*	12·2	...	23·6	7·6	·8	6·9	*51·1*	25·7	40	27	59·6	42·1	141
Purneah ...	Purneah ...	8,463	6,553	15,016	1	2	*3*	3·5	6·9	*10·4*	58	..	...	11	..	...	...	*11*	.	...	38·1	...	...	...	*38·1*	27·7	4	7	24·6	55·5	44
Maldah .	English Bazar .	6,289	6,141	12,430	5	8	*13*	29·9	33·4	*54·3*	62	24	...	26	5	...	1	*56*	100·4	...	108·8	20·9	..	4·2	*234·3*	196·6	38	18	314·2	152·4	296
Sonthal Pergunnahs.	Deoghur	4,964	3,041	8,005	3	1	*4*	19·5	6·5	*26·0*	300	5	...	2	1	...	4	*15*	51·9	...	13·0	6·5	.	26·0	*97·4*	45·5	10	5	104·8	85·5	122
Cuttack ...	Cuttack ...	22,632	20,607	43,239	12	18	*30*	14·4	21·6	*36·1*	66	1	1	8	...	...	20	*30*	1·2	1·2	9·6	...	...	24·1	*36·1*	28·9	15	15	31·5	37·9	91
Poori ...	Poori	13,247	11,537	24,784	1	5	*6*	2·1	10·5	*12·6*	20	10	..	8	4	..	8	*30*	20·9	..	16·8	8·4	...	16·8	*62·9*	86·0	17	13	66·7	58·6	114
Balasore ...	Balasore ...	10,282	9,983	20,265	5	8	*13*	12·8	20·5	*33·4*	62	7	..	1	...	..	6	*14*	17·9	...	2·6	...	...	15·4	*35·9*	23·1	11	3	55·6	15·6	356
Hazaribagh ...	Hazaribagh ...	7,639	7,667	15,306	8	9	*17*	27·2	30·6	*57·8*	85	...	..	1	3	...	5	*9*	...	..	3·4	10·2	...	17·0	*30·6*	23·8	4	5	27·2	33·9	89
Lohardugga ..	Ranchi ...	10,101	8,342	18,443	6	5	*11*	16·9	14·1	*31·0*	120	...	...	3	...	..	3	*6*	...	...	8·4	...	..	8·4	*16·9*	25·4	5	1	25·7	6·2	414
Singbhum ..	Chaibassa ...	3,126	2,880	6,006	3	1	*4*	16·0	5·6	*34·6*	360	...	..	.	1	1	1	*3*	...		...	8·6	8·6	8·6	*26·0*	26·0	2	1	33·3	18·1	184
Manbhum ...	Purulia ...	5,069	4,244	9,394	4	5	*9*	22·4	27·9	*50·3*	80	1	..	1	..	...	...	*2*	5·6	...	5·6	...	...	...	*11·2*	33·5	2	...	20·0	...	No female death.
	Total ...	872,026	785,969	1,657,995	514	517	*1,031*	16·1	16·2	*32·3*	99	267	2	672	135	11	336	*1,423*	8·4	·1	21·1	4·2	·3	10·5	*44·6*	40·2	774	649	46·7	42·9	107

DISTRICTS.	NAMES OF MUNICIPALITIES.	13					14					15										16									
		MORTALITY ACCORDING TO—																													
		Class.										Age.																			
		Deaths among—					Ratio per 1,000 of population per annum.					Deaths.										Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan ...	Burdwan	...	16	6	...	...	...	35·1	30·4	...	...	3	1	1	1	1	4	1	4	4	3	236·4	23·0	22·3	20·7	16·6	26·3	7·5	47·1	84·7	70·2
	Raniganj	...	12	2	...	...	...	69·9	56·5	...	...	2	3	...	...	1	1	1	3	...	3	442·6	158·5	...	...	63·6	21·5	24·2	124·7	...	374·1
Bankura ...	Bankura	...	7	1	...	...	...	21·4	60·5	...	...	1	1	...	1	...	2	1	1	1	...	109·9	27·2	...	28·7	...	31·6	19·7	23·5	47·0	...
Birbhum ...	Soori	...	1	1	...	...	...	8·9	26·1	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	217·6
Midnapore ...	Midnapore ...	...	15	4	...	...	...	30·1	28·8	...	...	2	...	1	...	1	2	1	4	2	6	140·0	...	13·9	...	16·5	14·2	9·4	55·8	50·4	170·5
Hughli, including Serampore.	Hughli and Chinsurah.	2	54	13	...	...	452·2	111·1	109·7	...	...	8	14	5	1	2	8	4	9	5	13	518·1	328·1	90·1	21·0	41·4	67·0	38·4	112·2	100·0	386·1
	Serampore ...	...	44	6	...	...	...	90·7	332·6	...	...	5	8	7	1	4	6	7	3	5	4	366·2	230·5	144·8	23·4	95·3	57·9	73·2	46·2	135·8	149·5
	Utterpara	...	10	2	...	...	...	97·6	565·2	...	...	3	2	1	...	...	2	1	2	1	...	968·9	247·0	111·6	...	...	90·4	49·0	148·4	141·3	...
Howrah ...	Howrah	...	30	14	...	...	...	22·9	27·9	...	...	10	3	4	2	3	4	2	7	4	2	252·1	28·2	33·1	15·8	21·3	9·2	5·4	31·0	37·9	27·7
	Bali	...	9	1	...	...	...	34·9	39·7	...	...	1	2	...	1	1	...	...	2	2	1	143·6	104·1	...	43·8	39·0	...	...	53·7	99·2	71·0
24-Pergunnahs.	Cossipore-Chitpore	...	39	12	...	...	...	111·0	79·2	...	...	6	7	6	4	2	7	4	6	3	6	652·7	412·7	399·0	82·5	114·4	38·3	32·5	124·7	160·3	666·7
	Manicktola ...	...	8	11	...	...	...	24·9	49·8	...	...	4	2	2	1	1	7	2	...	...	...	3,354·8	759·1	642·0	44·6	27·3	44·8	12·8	...	...	...
	Baranagore ..	...	25	6	...	...	...	50·5	76·0	...	...	1	8	5	1	...	4	3	3	3	3	76·8	202·6	104·3	22·2	...	32·5	26·7	37·8	75·4	93·1
	South Suburban ...	...	34	16	...	...	...	55·9	42·7	...	...	4	5	4	3	2	4	3	6	10	9	156·9	54·7	40·9	32·7	23·6	20·5	18·0	52·9	156·9	143·9
Nuddea ...	Krishnagar ...	3	20	19	...	...	275·1	55·8	119·3	...	...	6	8	7	...	1	2	4	6	1	7	629·0	168·6	105·9	...	25·3	21·6	48·6	95·6	24·7	210·6
	Ranaghat	...	6	1	...	...	...	42·6	33·1	...	...	...	...	1	...	1	1	...	...	...	4	...	...	46·6	...	83·5	34·5	...	...	...	365·6
	Santipore ...	...	17	2	...	...	...	42·7	11·6	...	...	3	1	...	...	...	1	1	3	2	8	184·6	17·9	...	...	...	10·6	12·0	44·4	45·3	211·8
Jessore ...	Jessore	...	3	8	...	...	...	34·6	108·8	...	...	3	2	1	1	...	1	...	2	...	1	504·1	210·5	65·6	78·2	...	25·8	...	99·0	...	113·5
Murshedabad.	Berhampore ...	...	20	5	...	...	...	57·2	50·1	...	...	4	2	5	...	3	1	2	...	1	7	551·7	65·2	123·0	...	88·5	11·7	23·4	...	27·7	227·8
	City Murshedabad	...	33	14	...	1	...	75·5	46·0	...	50·4	4	4	4	3	2	8	13	...	6	4	272·6	84·5	60·4	54·3	40·2	56·8	93·0	...	87·9	67·2
Khulna ...	Khulna	...	6	1	...	...	...	97·8	17·1	...	...	3	...	...	1	1	1	...	...	...	1	1,228·3	...	...	71·9	100·4	48·5	...	...	...	165·1
Dinajpore ...	Dinajpore ...	...	10	8	...	...	...	85·8	64·9	...	...	...	2	...	...	1	3	5	5	1	1	...	120·4	...	...	51·2	57·9	105·1	165·8	63·7	81·4
Rajshahye ...	Rampore Beauleah	...	22	22	...	...	...	115·5	116·6	...	...	4	12	6	1	1	5	6	1	2	6	512·3	440·1	150·1	28·9	31·3	62·6	86·6	21·2	85·2	384·0
Rungpore ...	Rungpore ...	...	10	10	...	...	...	80·3	78·2	...	...	6	...	...	...	1	5	4	1	2	1	1,339·1	...	...	...	48·4	82·2	75·6	32·9	141·5	101·0
Bogra ...	Bogra ...	...	1	2	...	...	...	19·5	30·0	...	...	1	1	...	...	1	...	...	...	...	...	379·6	101·2	...	...	96·1	...	...	...	...	...

District	Town																														
Pubna	Pubna	...	15	23	...	...	...	109·3	147·5	...	...	2	11	10	2	3	...	3	4	2	1	262·0	392·3	367·7	75·5	126·9	...	68·5	121·0	102·9	53·3
	Serajganj	...	8	6	...	...	...	48·5	25·4	...	...	2	1	3	...	...	2	1	2	1	2	192·9	21·8	51·3	...	...	28·3	16·4	46·5	41·6	89·3
Darjeeling	Darjeeling	...	8	...	...	...	...	90·6	...	...	...	2	1	1	...	1	1	...	1	1	...	859·5	80·9	88·9	...	81·3	26·0	...	75·1	213·1	...
Julpaiguri	Julpaiguri	1	5	5	...	...	1,181·8	61·2	71·3	...	...	2	2	1	...	2	2	...	1	...	1	707·5	141·1	57·0	...	164·0	57·4	...	69·9	...	165·1
Dacca	Dacca	...	25	25	...	...	...	32·3	33·1	...	...	6	6	2	1	2	7	12	4	4	6	164·4	42·3	10·5	6·5	14·2	23·8	53·5	24·8	43·9	56·0
	Narainganj	...	10	16	...	...	...	82·2	151·9	...	...	7	2	1	2	1	4	5	...	2	4	1,304·7	91·2	39·4	91·6	49·8	77·9	121·6	...	133·0	319·0
Faridpore	Faridpore	...	5	7	...	...	...	48·6	75·0	..	...	3	2	1	...	1	1	1	2	1	...	666·7	83·4	51·9	...	72·7	28·0	35·6	89·2	64·5	...
Backerganj	Barisal	...	4	5	...	...	...	34·4	33·1	...	..	...	2	...	...	1	3	1	2	...	...	...	122·2	...	...	41·1	49·3	20·8	68·4	...	...
Mymensing	Nasirabad	1	1	4	...	...	896·6	6·8	29·3	...	...	1	2	...	...	..	1	...	...	...	2	235·3	104·7	...	...	...	14·0	...	...	...	172·3
Chittagong	Chittagong	...	...	3	...	...	..	...	10·2	...	...	1	..	...	...	1	...	1	...	...	...	92·4	...	...	...	21·5	...	15·6	...	...	...
Noakhali	Sudharam	...	...	2	...	...	...	...	41·1	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	59·6	101·8	...	...
Tipperah	Comillah	...	3	8	...	..	...	26·2	56·3	...	...	3	...	...	1	1	1	1	1	...	3	525·3	...	...	35·6	41·3	18·8	26·1	39·6	...	230·1
Patna	Patna City	1	50	20	...	...	146·5	21·9	25·4	...	...	4	5	1	5	5	13	4	6	9	19	48·3	17·8	3·1	18·1	23·3	23·5	8·9	16·6	33·1	71·5
	Behar	...	18	9	...	...	...	27·8	30·5	...	...	9	3	...	...	...	3	3	5	1	3	315·2	26·9	...	...	...	15·4	22·2	50·5	14·4	43·4
Gya	Gya	...	59	11	...	...	...	51·1	35·6	...	...	14	7	3	5	3	6	5	6	4	17	406·7	57·3	22·3	38·6	29·8	21·2	20·4	31·9	31·6	171·8
Shahabad	Arrah	...	17	2	...	..	...	28·5	8·4	...	..	1	3	1	3	1	1	3	2	2	2	40·4	35·2	10·1	35·3	16·5	6·6	24·2	22·2	33·6	36·1
	Buxar	...	9	3	...	...	...	33·7	43·4	...	...	1	2	...	1	...	...	...	5	2	1	125·3	60·4	...	28·3	...	...	...	122·5	94·5	48·1
Mozufferpore	Mozufferpore	1	19	2	...	...	233·2	32·9	8·3	...	..	..	6	1	2	2	3	3	...	...	5	...	77·2	11·6	26·3	34·3	18·2	22·4	...	...	106·8
Durbhanga	Durbhanga	...	26	12	...	...	...	27·9	35·5	...	..	10	5	6	...	...	2	1	1	4	9	334·0	34·2	39·9	...	...	7·8	4·7	7·0	47·4	146·5
Sarun	Chupra	...	30	7	...	...	...	39·3	30·6	...	..	6	4	1	1	2	2	5	4	1	11	221·1	41·3	8·7	10·4	30·0	11·3	33·4	34·2	12·6	166·1
Chumparun	Motibari	...	5	1	...	...	...	34·6	19·8	...	..	...	2	1	..	...	...	..	1	...	2	..	105·9	47·1	...	...	...	...	48·5	...	171·3
Monghyr	Monghyr	...	30	5	...	...	...	34·9	20·7	...	...	7	4	4	...	3	4	4	1	1	7	245·1	33·4	29·5	...	41·3	20·1	23·3	8·2	18·1	101·5
	Jamalpore	...	7	2	...	...	...	37·1	33·5	..	...	2	1	...	...	...	2	1	1	...	2	233·0	34·1	...	...	...	37·1	21·6	37·0	...	155·9
Bhagulpore	Bhagulpore	...	54	13	..	..	. .	57·4	35·8	...	...	8	8	3	1	2	9	16	4	3	13	289·9	64·1	22·1	7·2	21·0	35·9	75·9	27·2	30·8	157·1
Purneah	Purneah	..	7	4	...	...	. .	39·7	36·7	...	...	2	...	1	...	...	...	2	3	1	2	367·5	...	32·9	...	...	...	36·5	84·1	55·5	128·9
Maldah	English Bazar	. .	30	26	. .	...	...	214·6	262·7	...	...	5	10	7	6	4	5	8	4	2	5	881·4	546·2	242·5	252·6	195·5	113·2	193·5	141·3	139·0	369·8
Senthal Pergunnahs.	Deoghur	...	15	...	. .	...	...	101·2	...	..	...	2	3	2	...	...	3	1	1	1	2	800·0	271·3	147·3	...	...	52·7	32·4	55·5	104·2	272·3
Cuttack	Cuttack	3	20	7	. .	.	84·3	30·9	47·2	...	...	7	2	1	...	3	2	6	2	3	4	354·8	27·8	10·5	...	38·3	11·9	51·0	22·9	50·6	70·5
Poori	Poori	...	30	...	...	...	...	53·6	...	...	...	1	4	...	1	..	5	5	6	4	4	171·6	115·7	. .	27·7	...	49·2	64·2	93·9	93·2	115·2
Balasore	Balasore	...	13	1	...	...	...	40·1	16·9	...	..	2	1	...	1	...	6	1	2	1	...	196·6	27·9	...	27·0	...	76·5	17·3	46·8	49·6	...
Hazaribagh	Hazaribagh	...	9	...	...	..	...	42·5	. .	...	...	2	...	...	1	...	...	1	3	...	2	213·6	...	...	32·8	...	...	24·4	95·8	...	124·3
Lohardugga	Ranchi	...	4	1	. .	1	...	22·6	9·8	...	22·0	1	...	...	...	1	2	...	1	...	1	110·6	..	...	...	37·4	27·3	...	28·6	...	64·1
Singbhum	Chaibassa	...	3	...	...	...	...	30·5	...	...	. .	1	. .	...	...	...	1	1	...	...	...	321·0	...	...	...	...	43·7	45·6	...	...	...
Manbhum	Purulia	...	2	...	...	...	...	13·3	...	...	...	...	...	...	...	...	. .	1	1	...	...	...	...	...	...	...	...	30·7	58·9	...	...
	TOTAL	12	993	416	..	2	44·9	44·7	44·8	...	21·9	198	187	111	55	69	170	162	145	115	221	268·3	68·1	33·9	19·1	28·5	26·3	30·0	35·7	46·8	116·0

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 21st December 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 19th December 1891, as compared with the corresponding week of the previous year.

Nature of Cargo.	Week ending Saturday, the 19th December 1891.			Week ending Saturday, the 20th December 1890.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	1,478	1,37,825	2,063	1,179	1,12,855	1,555
Jute	118	59,850	1,102	299	1,60,159	2,932
Firewood	141	74,575	1,142	168	1,06,800	1,572
Other articles	1,126	2,85,395	4,995	1,055	2,36,695	3,814
Total ...	2,863	5,57,615	9,302	2,991	5,16,509	9,873

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY

Approximate Return of Traffic for week ended 12th December 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs A P.	Mds s	Rs A. P.	Rs. A. P.	Rs. A. P			
Total traffic for the week .	246,960	2 86 564 14 0	26,37,905 30	6,80,659 0 0	17,314 4 0	9,84,838 2 0	73,579½	98,504½	172,083¾
Or per mile of railway	.. ..	188 0 9	.	446 3 0	11 5 7	645 9 4	.	.....	. ..
For previous 23 weeks of half-year	5,707,715	62,05,992 10 0	5 22 80,207 30	1 24,90,294 10 0	3 67,015 4 0	1,90,63,302 8 0	1,633,601½	2 101 003¼	3,734,605
Total for 24 weeks .	5,954 685	64 92,857 8 0	5,19,18,113 20	1,31,70,953 10 0	3 84,329 8 0	2,00,18,140 10 0	1,707,181	2,199,507½	3,906,688¾
Comparison.									
Total for corresponding week of previous year	235,43 ½	2,70 519 10 2	23,42 111 0	6,22 301 7 9	18,041 10 0	9,20,162 12 11	71,932	91,154	163,086
Per mile of railway corresponding week of previous year	.. .	183 3 9	.	407 14 11	12 3 6	6 3 6 2	.....	... ..	.....
Total to corresponding date of previous year	5,518,070½	61,15,609 2 6	4,59 14 671 0	1,12,03,758 15 5	3,87,577 5 6	1,77,31,915 7 3	1,580,293	1,859,040	3,448,0 3

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 12th December 1891, on 57½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs A. P.	Mds. s.	Rs. A. P	Rs. A. P.	Rs A. P.			
Total traffic for the week	10,019	5,285 2 0	49,374 20	3,237 13 0	47 0 0	8,560 15 0	1,706	628	2,394
Or per mile of railway	175	92 6 4	865 10	56 0 8	0 13 2	149 13 2	..	......	.....
For previous 23 weeks of half year .	*307 834	*1,66,397 12 0	†10,96 913 20	†70,8 9 3 0	‡935 0 0	2,38,171 15 0	33,356	16,230	49,586
Total for 24 weeks	317 813	1,71 682 14 0	11,46,318 0	74,077 0 0	982 0 0	2,46,741 14 0	35,122	16,858	51,980
Comparison									
Total for corresponding week of previous year .	10 102½	5 387 15 7	50,809 0	3,521 0 0	62 9 3	8,971 14 10	1,674	720	2,394
Per mile of railway corresponding week of previous year	183	94 3 2	888 10	61 9 0	1 1 6	156 13 8	....	.....	.....
Total to corresponding date of previous year	315,6 9½	1,74,515 10 3	8,81,063 10	58,511 15 0	1,412 5 9	2,34,139 15 0	33,393	14,468	47,861

* Deducted number of passengers 4,963 and Rs. 3,594 0 0 } on account of differences between the approximate and audited returns from week ended 3rd to 31st October 1891.
† Added maunds 32,673 „ „ 548 0 0 }
‡ Ditto „ 104 0 0 }

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 12th December 1891, on 22½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	19,193	4,778 10 0	11,171 10	527 8 0	18 0 0	5,324 2 0	808	100	908
Or per mile of railway	......	214 12 4	......	23 11 4	0 12 11	239 4 7	......	......	......
For previous 23 weeks of half-year	*417,822	*1,03,153 7 0	†1,83,269 10	†7,529 13 0	‡202 0 0	1,10,885 4 0	20,261	2,287	22,548
Total for 24 weeks ...	437,015	1,07,932 1 0	1,94,440 20	8,057 5 0	220 0 0	1,16,209 6 0	21,129	2,387	23,516
Comparison.									
Total for corresponding week of previous year	17,425	4,404 15 11	7,447 30	3 8 7 0	7 0 0	4,720 6 11	898	70	968
Per mile of railway corresponding week of previous year ...	......	197 15 8	......	13 13 10	0 5 0	212 2 6	......	......	......
Total to corresponding date of previous year	412,641½	1,01,964 8 9	1,80,511 0	6,675 13 0	395 15 5	1,09,036 5 2	21,499	1,403	22,903

* Added number of passengers 4,034 and Rs. 323 0 0 }
† Ditto maunds 1,581 " " 45 0 0 } on account of differences between the approximate and audited returns from week ended 3rd to 31st October 1891.
‡ Ditto " " 45 0 0 }

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 12th December 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	15,087	12,256 4 0	41,462 10	8,537 3 0	70 0 0	20,863 7 0	6,607	1,723	8,330
Or per mile of railway	......	75 10 6	......	52 11 2	0 6 11	128 12 7	......	......	......
For previous 23 weeks of half-year	*334,366	*2,65,940 7 0	†9,21,221 20	†1,87,811 9 0	‡1,469 0 0	4,55,221 0 0	142,139½	34,191	176,930½
Total for 24 weeks ...	349,453	2,78,196 11 0	9,62,683 30	1,96,348 12 0	1,539 0 0	4,76,084 7 0	149,046½	36,214	185,260½
Comparison.									
Total for corresponding week of previous year	......	......	......	......	......	......	......	......	......
Per mile of railway corresponding week of previous year ...	......	......	......	......	......	......	......	......	......
Total to corresponding date of previous year	......	......	......	......	......	......	......	......	......

* Added number of passengers 354 and Rs. 1,396 0 0 }
† Ditto maunds 9,430 " " 3,055 0 0 } on account of differences between the approximate and audited returns from week ended 3rd to 31st October 1891.
‡ Ditto " 60 0 0 }

EASTERN BENGAL STATE RAILWAY.

(Including N. B., Dacca, K.-D., and Assam-Behar Sections.)

Approximate Return of Traffic for week ended 12th December 1891, on 777 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	158,179	76,330 0 0	5,84,723 0	1,28,170 0 0	11,780 0 0	2,16,280 0 0	27,276	31,416	58,692
Or per mile of railway	204	98 0 0	753 0	165 0 0	†2 0 0	265 0 0	......	......	......
For previous 23 weeks of half-year*	3,625,466	16,40,179 0 0	1,48,54,312 0	35,01,665 0 0	3,48,627 0 0	54,90,471 0 0	596,700	812,836	1,409,536
Total for 24 weeks ...	3,783,645	17,16,509 0 0	1,54,39,035 0	36,29,835 0 0	3,60,407 0 0	57,06,751 0 0	623,976	844,252	1,468,228
Comparison.									
Total for corresponding week of previous year	153,239	74,071 0 0	5,70,879 0	1,43,510 0 0	22,856 0 0	2,41,337 0 0	26,007	36,871	62,878
Per mile of railway corresponding period of previous year ...	201	98 0 0	748 0	188 0 0	†5 0 0	291 0 0	......	......	......
Total to corresponding date of previous year	3,467,133	15,58,167 0 0	1,49,57,106 0	36,62,530 0 0	4,42,011 0 0	56,62,708 0 0	580,591	824,076	1,404,667

* Audited up to week ending 24th October 1891.
† Excluding steamer's earnings.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 12th December 1891, *on* 125 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	27,402	10,460 0 0	42,686 0	3,010 0 0	110 0 0	13,580 0 0	3,550	2,000	5,550
Or per mile of railway	219	84 0 0	341 0	24 0 0	1 0 0	109 0 0	......	......	......
For previous 23 weeks of half-year*	642,340	2,23,574 0 0	11,51,313 0	90,764 0 0	5,150 0 0	3,19,488 0 0	83,508	45,137	128,645
Total for 24 weeks ...	669,742	2,34,034 0 0	11,93,999 0	93,774 0 0	5,260 0 0	3,33,068 0 0	87,058	47,137	134,195
Comparison.									
Total for corresponding week of previous year	28,093	10,996 0 0	36,857 0	2,284 0 0	393 0 0	13,673 0 0	3,800	1,050	5,840
Per mile of railway corresponding week of previous year ..	225	88 0 0	295 0	18 0 0	3 0 0	109 0 0	......	......	......
Total to corresponding date of previous year	624,805	2,12,806 0 0	9,78,527 0	78,624 0 0	5,865 0 0	2,97,295 0 0	87,339	44,634	131,973

* Audited up to week ending 24th October 1891.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 12th December 1891, *on* 86 *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	18,139	6,250 0 0	13,886 0	1,570 0 0	100 0 0	7,950 0 0	2,250	856	3,106
Or per mile of railway	211	73 0 0	161 0	18 0 0	1 0 0	92 0 0	......	......	......
For previous 23 weeks of half-year*	382,557	1,24,175 0 0	4,71,327 0	37,751 0 0	3,722 0 0	1,65,648 0 0	60,696	18,452	79,148
Total for 24 weeks ...	400,695	1,30,455 0 0	4,85,213 0	39,321 0 0	3,822 0 0	1,73,598 0 0	62,946	19,308	82,254
Comparison.									
Total for corresponding week of previous year	18,018	6,848 0 0	32,874 0	4,091 0 0	160 0 0	11,099 0 0	2,412	1,036	3,448
Per mile of railway corresponding period of previous year	210	79 0 0	382 0	48 0 0	2 0 0	129 0 0	......	......	......
Total to corresponding date of previous year	370,648	1,24,122 0 0	5,84,033 0	52,322 0 0	6,399 0 0	1,82,843 0 0	57,257	21,863	79,120

* Audited up to week ending 24th October 1891.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 12th December 1891, *on* 27½ *miles open.*

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,117	1,070 0 0	2,863 0	210 0 0	60 0 0	1,340 0 0	546	190	736
Or per mile of railway	114	39 0 0	105 0	8 0 0	2 0 0	49 0 0	......	......	......
For previous 23 weeks of half-year*	68,058	24,485 0 0	2,07,947 0	10,874 0 0	409 0 0	35,768 0 0	11,805	9,522	21,327
Total for 24 weeks ..	71,175	25,555 0 0	2,10,810 0	11,084 0 0	469 0 0	37,108 0 0	12,351	9,712	22,063
Comparison.									
Total for corresponding week of previous year	3,455	1,384 0 0	15,032 0	866 0 0	12 0 0	2,262 0 0	501	693	1,204
Per mile of railway corresponding week of previous year ...	127	51 0 0	585 0	32 0 0	......	83 0 0	......	......	......
Total to corresponding date of previous year	73,260	26,124 0 0	2,54,702 0	13,722 0 0	429 0 0	40,275 0 0	13,066	13,204	26,270

* Audited up to week ending 24th October 1891.

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY)

Approximate Return of Traffic for the week ending 5th December 1891, on 739 miles open

	Coaching Traffic. Number of passengers.	Coaching Traffic. Receipts.	Merchandise and Mineral Traffic. Weight carried.	Merchandise and Mineral Traffic. Receipts	Other earnings (including steam boat).	Total earnings.	Traffic Train-miles. Coaching	Traffic Train-miles. Merchandise	T[illegible]
		Rs.	Mds.	Rs.	Rs	Rs			
Total traffic for the week on 739 miles open	76 180	52 100	2 75 [illegible]	30 700	7 [illegible]00	7[illegible] 2[illegible]	12 [illegible]	14,947	[illegible]
Or per mile of railway	103 09	[illegible]	[illegible]	[illegible] 47	10 28	10[illegible]	...	.	..
For previous 21 weeks of half-year	1,877,665	7 71 1[illegible]7	60 [illegible]3,419	7 [illegible]1 704	1 [illegible] 45	a 16 58 [illegible]70	2[illegible]8 160	299,812	a 5[illegible]
Total for 22 weeks	1 953,845	8,0[illegible] [illegible]7	[illegible]3 28,569	7 [illegible] 21	1 9[illegible] 21[illegible]	17 [illegible]	2[illegible]0 550	314 78[illegible]	[illegible]
COMPARISON.									
Total for corresponding week of previous year on 690 miles open	99,963	d 44,609	b 3 98,890	[illegible]2 273	10 [illegible]40	1 17 [illegible]	12,684	16 076	
Per mile of corresponding week of previous year	143 01	63 83	570 37	89 00	14 79	167 70	.....	.....	..
Total to corresponding date of previous year	c 1,941,550	7 09,561	[illegible]2 80,261	8,01 277	1 [illegible] 718	16 [illegible]	277 [illegible]	296,519	5

a Includes audited figures up to 24th October 1891.
b Approximate figures.
c Includes 13 711 previously less shown.
d Increase due to fair held at Sonepore.

EARNINGS.

HEADS.	B. & N. W. Railway. Week ending 5th December 1891			B. & N. W. Railway. Week ending 6th December 1890			Tirhoot State Railway. Week ending 5th December 1891			Tirhoot State Railway. Week ending 6th December 1890		
	Rs	A	P	Rs	A	P	Rs	A	P	Rs	A	P
Coaching	1[illegible] 040	0	0	17 109	0	0	17 [illegible]	0	0	[illegible]7 [illegible]0	0	0
Goods	18 6[illegible]0	0	0	20 110	0	0	17 [illegible]10	0	0	11 803	0	0
Other earnings	1 4 0	0	0	4 [illegible]10	0	0	3 17[illegible]	0	0	[illegible] 3 0	0	0
Total	38,110	0	0	41 [illegible]	0	0	[illegible]8 1 0	0	0	[illegible]	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs	A	P.
Approximate earnings for week ending 28th November 1891	15 756	0	0
Corresponding period of 1890	12 890	0	0
Increase	2 8[illegible]6	0	0
Receipts per mile for week ending 28th November 1891	308	15	1
Corresponding period of 1890	252	12	1
Increase	56	3	0
Receipts from 1st July to 28th November 1891	2,56 657	0	0
Corresponding period of 1890	2,45,508	0	0
Increase	11,149	0	0

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

	Rs	A	P
Approximate earnings for week ending 5th December 1891 ...	14 127	0	0
Corresponding period of 1890	10,154	0	0
Increase	3,973	0	0
Receipts per mile for week ending 5th December 1891	282	11	1
Corresponding period of 1890	204	15	8
Increase	77	11	5
Receipts from 1st July to 5th December 1891	2,71,084	0	0
Corresponding period of 1890	2,55,962	0	0
Increase	15,122	0	0

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CONTENTS.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government, during the week ending the 26th December, 1891.

	No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.				
BURDWAN DIVN.	1	Burdwan Dec. 26, '91	Nil	Weather—seasonable. Harvesting of winter rice still going on. Prospects of *rabi* crops and sugarcane good. Prices of rice :— Srs. Sudder ... ... 13½ to 17 } Culna ... ... 14 } per rupee. Cutwa ... ... 15 } Raneegunge ... ... 15½ }
		Culna ...	Nil	
		Cutwa ...	Nil	
		Raneegunge ...	Nil	
	2	Bankoora „ 26, '91	Nil	Weather—seasonable. Harvesting of winter rice nearly finished. *Rabi* plants and sugarcane thriving. Condition of cattle good. Supply of fodder and water sufficient. Common rice selling at 17½ seers per rupee at the Sudder as well as at the Bishenpur market.
	3	Birbhum „ 26, '91	Nil	Weather—fair and cool. Harvesting of winter rice still going on. Prospects of *rabi* fair. Supply of fodder and water sufficient. Common rice selling at from 14 to 18½ seers per rupee.
		Rampore Haut ...	Nil	
	4	Midnapore „ 26, '91	Nil	Weather—fine and cool. *Aman* harvest nearly finished. Indigo and sugarcane doing well. Prices of common rice :— Srs. Sudder ... ... 17 } Contai ... ... 18 } per rupee. Tumluk ... ... 14 } Ghatal ... ... nearly 16 }
	5	Hooghly „ 26, '91	Nil	Weather—seasonable. Harvesting of *aman* still going on. Prospects of *rabi* tolerably fair; crop being irrigated in places. No difficulty in obtaining fodder and water-supply. Prices of common rice :— Srs. Sudder ... ... 12 } Serampore ... ... 13 } per rupee. Jehanabad ... ... 16 }
		Serampore ...	Nil	
		Jehanabad ...	Nil	
	6	Howrah „ 26, '91	Nil	Weather—fine. Harvesting of *aman* crop well advanced. Outturn somewhat below an average one. Sugarcane crop good. Price of common rice 13 to 14 seers per rupee. Health of cattle good. Fodder and water-supply sufficient.
		Uluberia ...	Nil	
PRESIDENCY DIVN.	7	24-Perghs. „ 26, '91	Nil	Weather—seasonable. Harvesting of *aman* still continues. Prospects of standing crops unchanged. Price of rice stationary from 12½ to 15 seers per rupee. Condition of cattle good. No deficiency of fodder or want of water for cattle.
	8	Nuddea „ 26, '91	Nil	Weather—seasonable. Harvesting of *aman* not yet over. Prospects of cold-weather crops not improved for want of rain. Common rice selling at from 11 seers to 15 seers per rupee. Supply of water and fodder sufficient.
		Kushtea ...	Nil	
		Chuadanga ...	Nil	
		Ranaghat ...	Nil	
		Meherpore ...	Nil	
	9	Khoolna „ 26, '91	Nil	Weather—cold and fair. Harvesting going on. Prospects of *aman* fair. Price of common rice 14 to 16 seers per rupee. Fodder and water sufficient.
		Bagirhat ...	Nil	
		Satkhira ...	Nil	
	10	Jessore „ 26, '91	Nil	Weather—seasonable. *Aman* paddy being harvested: very poor outturn from short rain. Winter crops for the same reason do not promise well. Fodder and water sufficient.
		Jhenidah ...	Nil	
		Magurah ...	Nil	
		Narail ...	Nil	
		Bongong ...	Nil	
	11	Murshedabad „ 26, '91	Nil	Weather—cold. Winter rice is still being harvested. Prospects of *rabi* crops not favourable. Harvesting of *kalai* almost finished. Fodder obtainable for cattle.
CHITTAGONG DIVN.	12	Chittagong „ 29, '91	Nil	Weather—seasonable. Harvesting of winter rice continues. Prospects unchanged. Prices stationary.
	13	Noakhally „ 26, '91	Nil	Weather - seasonable. *Aman* paddy is being harvested. *Rabi* crops doing well. No cattle-disease. Fodder and water available. Common rice 15½ seers per rupee at head-quarters and 16 seers per rupee at Feni.
	14	Tipperah „ 26, '91	Nil	Weather - seasonable. *Aman* is being rapidly harvested. Winter crops doing well. No cattle-disease.
	15	Chittagong Hill Tracts. „ 24, '91	Nil	Weather—cloudy during the first part of the week. Gathering of late plough-paddy continues. Mustard and other cold-weather crops progressing. Price of common rice 11 seers 10 chittacks a rupee.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—*concld.*			
DACCA DIVN.			
16	Dacca Dec. 26, '91	Nil	Weather—seasonable. Harvesting of *aman* going on. Prospects of standing crops fair. Fodder available. Condition of cattle good. Common rice selling at from 14 to 17 seers per rupee.
17	Furreedpore „ 26, '91 Goalundo ... Madaripore ...	Nil Nil Nil	Weather—seasonable Harvesting of *aman* nearly finished; that of *mug* and *kalai* in progress. Rice selling at 16 seers per rupee. Condition of cattle good and fodder available.
18	Backergunge „ 26, '91	Nil	Weather—seasonable. Prospects of crops good. Common rice sells at from 10 to 18 seers per rupee. Fodder and water sufficient. Cattle-pox reported from Bhandaria, Matbaria, and Golachipa.
19	Mymensingh „ 26, '91	Nil	Weather—cold. Prospects of crops fair. Coarse rice sells at 14 seers 12 chittacks per rupee. Condition of cattle good. Supply of water and fodder sufficient.
RAJSHAHYE DIVN.			
20	Dinagepore „ 26, '91 Thakurgaon ...	Nil Nil	Weather—seasonable. Harvesting of winter rice not yet finished. Prospects of standing crops continue unchanged. Land being prepared for *bhadoi*. Price of rice at Sudder 13 seers per rupee and at Thakurgaon 11 seers. Condition of cattle good. Supply of fodder and drinking-water ample.
21	Rajshahye „ 26, '91 Nattore .. Nowgong ...	Nil Nil Nil	Weather—seasonable. Prospect of *aman* continues unaltered. Expected outturn varies from 6 annas to 10 annas; the average will be about 8 annas. Condition of winter crops good. Pressing of sugarcane going on. Prospect of *ganja* good Price of common rice varies from 12 to 18 seers, the average being 15 seers. Condition of cattle good. Fodder and water-supply plentiful.
22	Rungpore „ 26, '91 Gaibanda ... Nilphamari ... Kurigram ...	Nil Nil Nil Nil	Weather—cold and clear. *Aman* paddy being harvested. Outturn slightly better than estimated in parts of Nilphamari and Gobindgunge thana. Price of rice falling slightly except in the Kurigram subdivision. It ranges from 17 seers in Gaibanda to 11 seers in Kurigram. Prospects of sugarcane and cold-weather crops fair. Fodder sufficient.
23	Bogra „ 26, '91 Sherpur ... Nowkhilla ...	Nil Nil Nil	Weather—seasonable. Harvesting of *aman* not yet finished. Prospects of *rabi* favourable. An average 8-anna crop of *aman* expected. No cattle-disease. Fodder and water sufficient. Price of rice stationary.
24	Pubna „ 26, '91	Nil	Weather—seasonable. State of standing crops fair; rain wanted. *Aman* harvest yielding 10 annas. Common rice 13 seers per rupee. Water-supply and fodder sufficient.
25	Darjeeling „ 26, '91	Nil	Weather—fair. *Marua* and *aghani* paddy have been cut. Wheat and barley promising well. Prospects good. Prices of common rice:— Srs. Silliguri ... ... 11 Kurseong ... ... 10 Kalimpong ... ... 10 Darjeeling ... ... 11 Pulbazar ... ... 11 Jore Bungalow ... ... 12 Nagri ... ... 8 Sonadah ... ... 12 } per rupee.
26	Julpigoree „ 26, '91	Nil	Weather—seasonable. Harvesting of *haimanti* continues; outturn not favourable. *Rabi* crops doing well. Common rice sells at 11 and 12 seers per rupee at head-quarters, while 10 seers at Alipore and other thanas. No cattle-disease. Fodder and water-supply sufficient.
BEHAR.			
BHAGULPORE DIVN.			
27	Monghyr „ 26, '91 Begusarai ... Jamui ..	Nil Nil Nil	Weather—seasonable. Outturn of rice 2 annas only at Jamui. *Rabi* doing well still. Rain much wanted. Poppy sowings nearly completed. Prospects continue fair. Fodder and water-supply sufficient.
28	Bhagulpore „ 26, '91	Nil	Weather—seasonable: colder than last week. Harvesting of rice going on. Prospects of *rabi* not improved. Rain badly wanted. Common rice—old 12 seers, new 12 seers 10 chittacks per rupee.
29	Purneah „ 26, '91 Kishengunge ... Arrareah ...	Nil Nil Nil	Weather—cold and clear. No material change. *Aghani* harvest continues. Prospects of *rabi* still fair, but rain is needed. In most places there is ample fodder and water, but a first note of scarcity is being sounded at Gondwara in the Suddor subdivision. Price of rice stationary.
30	Maldah „ 26, '91 Shibgunge ... Gajole ...	Nil Nil Nil	Weather—seasonable. Harvesting of winter rice still going on. Gathering of *kalai* also in progress. Wheat and other *rabi* crops thriving. Cattle-pox reported from Ratna and Sibgunge thanas. Supply of fodder and water sufficient. Common rice sells at from 11 to 15¼ seers per rupee.
31	Sonthal Perghs. „ 26, '91	Nil	Northerly winds. Cold weather has set in; dry. Rice harvest continues; outturn 8 to 14 annas. Worst report from Rajmehal. Water-supply very short. No immediate fear of distress.

Division	No.	District and date of return.		Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BEHAR—*concld.*					
Patna Division.	32	Patna	Dec. 26, '91	Nil	Weather—cool and clear. Harvesting and threshing of paddy going on. *Rabi* and poppy doing well, but rain wanted. Prices of food-grains almost stationary. In the corresponding week of the previous year, the *rabi* and poppy crops were reported to promise well, but were wanting rain, and the prices were showing a tendency to fall.
		Barh	...	Nil	
		Behar	...	Nil	
	33	Gya	„ 26, '91	Nil	Weather—cold and fair. Paddy harvesting going on. Prospect of *rabi* continues the same. Condition of poppy good. Prices of food-grains almost stationary. Supply of fodder and water sufficient.
		Jehanabad	...	Nil	
		Nawada	...	Nil	
		Aurungabad	...	Nil	
	34	Shahabad	„ 26, '91	Nil	Weather—seasonable. *Rabi* crops generally doing well, except on light sandy soils without facilities for irrigation. Peas, gram, mustard, *rahar* and *khesar* are in flower. Wheat and barley promising. Sugarcane being pressed. Prices steady. Food-supply and fodder abundant, but water-supply in the west of Bhabuah shows signs of failing.
		Buxar	...	Nil	
		Bhabuah	...	Nil	
		Sasseram	...	Nil	
	35	Durbhunga	„ 26, '91	Nil	Weather—cold, with west winds. Rain has not fallen and prospects of *rabi* show no improvement. Mustard and *rahar* in flower. Poppy doing fairly since the weather has become colder. Price of common rice varies from 13 to 16 seers per rupee. Fodder and water-supply sufficient.
	36	Mozufferpore	„ 26, '91	Nil	Weather—cool and clear. Harvesting of paddy in progress. *Rabi* in low lands doing well; elsewhere suffering for want of rain. Poppy in irrigated tracts coming on well; elsewhere failed in several plots though sown twice and thrice. Cattle doing well: no scarcity of water and fodder for them. Prices as below:— Srs. Common rice ... ... 13 } Wheat ... ... 12 } per rupee. Barley ... ... 24 } Makai ... ... 22 }
	37	Sarun	„ 26, '91	Nil	Weather—cold and clear. Irrigation of *rabi* continues and the crop is doing well. Poppy backward in many places owing to failure of first sowings. Fodder and water sufficient. Prices of common rice are:— Srs. Ch. Chupra ... ... 13 0 } Gopalgunge ... ... 15 0 } per rupee. Sewan ... ... 15 8 }
	38	Chumparun	„ 26, '91	Nil	Weather—seasonable. Paddy being reaped. *Rabi* being weeded. State of standing crops fair. Rain wanted for *rabi*. Supply of water and fodder for cattle sufficient.
ORISSA.					
Orissa Divn.	39	Cuttack	„ 26, '91	Nil	Weather—seasonable and cold. *Sarad* rice being harvested. *Rabi* doing well. Supply of fodder sufficient and condition of cattle good. Common rice sells at 12½ seers per rupee in Sudder and 20 seers in the interior.
	40	Pooree	„ 24, '91	Nil	Weather—cool. *Sarad* rice being reaped. *Dalua* rice being sown. Miscellaneous crops doing well. Common rice sells at 12½ to 24 seers per rupee. Cattle-disease reported from Dandimal, Begunia and Khorda stations.
	41	Balasore	„ 26, '91	Nil	Weather—seasonable. Harvesting of winter rice continues. Prospects of *rabi* good. Rice selling at 19 seers per rupee.
CHOTA NAGPORE.					
South-West Frontier Agency.					
Chota Nagpore Divn.	42	Hazaribagh	Dec. 26, '91	Nil	Weather—seasonable. *Rabi* crops doing well, but suffering for want of rain. Common rice selling at from 13½ to 16 seers per rupee. Water-supply sufficient.
		Giridih	..	Nil	
	43	Lohardugga	„ 26, '91	Nil	Weather—seasonable. Harvesting of winter rice finished. Want of rain badly felt for *rabi* crops. Common rice selling at 15 seers per rupee. Fodder plentiful.
	44	Singbhoom	„ 26, '91	Nil	Weather—seasonable. Everything satisfactory. Cold-weather crops on ground doing well. *Kurthi* and *serguja* being harvested.
	45	Manbhoom	„ 26, '91	Nil	Weather—seasonable. Rain badly wanted for cold-weather crops. Prospects so far fairly satisfactory. Rice selling at from 18 to 22 seers per rupee.
		Govindpore	.	Nil	

Published for general information.

CALCUTTA; REVENUE DEPT.,
The 29th December, 1891.

C. E. BUCKLAND,
Secretary to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of September, 1891.

IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS. Rice and Paddy. Rice.	Paddy.*	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	FIBROUS PRODUCTS. Jute, raw.	Gunny-bags.†	OILSEEDS. Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR. Refined.	Unrefined.	TOBACCO. Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
BENGAL.																		
Burdwan	1,82,510	23,548	1,97,2 7	1,010	3,086	106	2,02,039	458	11,220	9,732	3,448	...	...	165	...	8	159	...
Beerbhoom... ...	1,57,830	1,997	1,59,078	...	338	...	1,59,416	...	7,030	163	...	...	...	169	...	...	...	...
Midnapore	1,34,809	19,392	1,46,028	...	160	...	1,47,088	2,329	100	3,779	...	...	43	270	2	1,079	1	...
Hooghly	1,12,868	36,670	1,35,785	9,481	11,838	1,139	1,58,243	54,200	421,814	29,732	...	...	566	24	80	21,881	5,233	201
24-Pergunnahs ...	1,28,646	15,955	1,38,618	...	1,800	158	1,40,576	1,19,978	379,471	...	...	...	1,574	...	1,303	7,245	2,605	295
Nuddea	20,961	940	21,540	25,070	1,06,469	3,691	1,56,779	1,45,284	5,840	36,207	9,742	...	...	300	2,108	338	3,017	...
Khulna	16,970	6,335	20,876	...	...	...	20,876	79,105	315	...	72	...	12	...	...	1,350	18	...
Jessore	47,277	4,275	49,949	...	6,884	...	56,833	36,263	1,095	1,950	2,665	...	39	...	850	5,594	1,409	...
Moorshedabad ...	10,437	...	10,437	10,716	12,043	1,451	34,647	11,589	70	14,433	1,490	...	11	921	456	19	69	...
Dinagepore	48,565	...	48,565	...	2 0	...	48,765	18,309	1,59,740	...	...	...	...	...	...	...	583	...
Rajshahye	9,282	...	9,282	1,464	7,554	...	18,300	1,07,202	1,930	7,386	679	...	...	639	...	...	...	...
Rungpore	680	...	680	...	...	...	680	1,34,912	101,290	...	...	...	21	...	...	...	38,103	...
Bogra	12,126	...	12,126	...	...	...	12,126	14,521	525	...	...	...	...	...	...	...	...	...
Pubna	2,579	...	2,579	159	3,208	...	5,946	5,25,315	376,905	1,635	13,165	...	...	...	...	...	1,330	...
Darjeeling	...	...	...	...	...	...	...	1,183	115,080	...	...	20,850	...	...	...	...	...	...
Julpigoree	...	...	...	...	...	...	...	29,103	276,045	...	...	26,865	...	...	...	...	1,539	...
Dacca	11,738	1,906	12,929	...	304	...	13,233	5,55,021	7,350	41	4,643	...	492	...	...	...	...	...
Furreedpore ...	49,088	1,500	50,026	...	9,60	...	59,626	6,22,024	2,590	4,780	22,037	...	...	...	...	50	...	...
Backergunge ...	4,33,657	1,050	4,84,088	...	1,000	...	4,35,688	10,207	315	452	1,540	...	...	...	...	...	...	...
Mymensingh ...	1,975	...	1,975	...	3 0	...	2,275	17,679	385	102	2,372	...	...	...	...	...	...	...
Tipperah	16,775	...	16,775	...	...	...	16,775	895	...	...	450	...	100	...	...	...	...	...
Chittagong ...	...	...	...	...	...	...	...	...	...	...	...	2,660	1,387	...	...	...	...	...
Noakholly ...	50,669	...	50,669	265	...	...	50,934	...	...	...	300	...	200	...	...	...	...	...
Total of Bengal ...	14,49,458	1,14,068	15,20,751	48,165	1,65,384	6,545	17,40,845	24,86,557	1,870,160	1,10,455	55,609	50,375	4,445	2,488	4,854	37,566	53,155	496
BEHAR.																		
Patna	8	...	8	31,807	39,569	10,512	87,806	1,570	245	2,69,241	15,589	93	...	1	...	...	885	280
Gya	15	...	15	12,509	3,835		10,449	...	350	10,526	300	...	...	...	...	...	...	301
Shahabad	...	189	118	28,3[illegible]	25,345	4,523	59,376	...	650	38,631	3,086	...	...	...	...	3,672	6	...
Mozufferpore ...	...	...	...	7,245	1,425	2,598	11,268	...	...	45,448	8,181	...	...	...	...	...	81	...
Durbhunga ..	...	...	...	12,877	1,358	641	14,876	...	455	79,131	9,870	1	...	...	...	24	434	63
Sarun	...	...	...	9,659	4,079	237	13 975	...	...	27,447	1,330	...	...	...	...	...	93	...
Chumparun ...	10	...	10	6,471	..	909	7,390	...	...	29,651	2,104	...	...	...	...	...	...	...
Monghyr	821	...	821	65,649	35,080	494	1,02,044	338	245	28,168	4,959	...	368	...	...	...	7	6
Bhagulpore ...	79	...	79	54,470	10,963	14,761	80,273	881	175	25,009	11,3 1	...	10	1	...	...	...	...
Purneah	2,232	...	2,232	3,236	4,304	27	9,899	5,064	25,300	4,976	11,823	...	...	...	...	...	2,841	...
Maldah	1,433	...	1,433	11,806	7,667	4,215	25,211	7,722	35	6,896	299	...	...	...	...	118	...	...
Sonthal Pergunnahs.	4	...	4	21,746	6,895	1,380	30,015	4,879	1,260	7,114	5,803	...	...	173	...	...	...	1
Total of Behar ...	4,602	189	4,720	2,66,035	1,41,520	46,297	4,58,572	20,464	29,045	5,61,318	75,614	94	378	175	...	3,814	4,387	641
ORISSA.																		
Balasore	21,647	12,408	29,402	...	9,354	...	38,756	...	525	40	41	...	...	...	...	...	178	...
CHOTA NAGPORE.																		
Hazaribagh ...	...	...	...	...	1,409	...	1,409	...	630	...	...	243	...	...	...	...	...	...
Singbhoom ...	...	...	...	...	...	...	...	...	175	901	...	...	...	...	...	...	...	...
Manbhoom ...	...	...	...	...	239	...	239	...	840	...	...	365	...	...	...	4	...	...
Total of Chota Nagpore.	...	...	...	...	1,648	...	1,648	...	1,645	901	...	608	...	...	...	4	...	...
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.	14,75,767	1,26,665	15,54,873	3,14,200	5,17,906	52,842	22,39,821	25,07,011	1,901,375	6,72,813	1,31,254	60,077	4,823	2,663	4,854	41,384	57,670	1,137
OTHER PROVINCES.																		
Assam ...	1,425	...	1,425	...	..	...	1,425	726	420	5,304	43,512	1,64,349	...	39	...	...	...	...
North-Western Provinces and Oudh.	...	...	...	2,50,415	19,572	1	2,99,958	...	980	1,68,587	7,662	875	11,850	...	848	1,215	4,456	11
Punjab	7	...	7	3,159	1,355	3,564	8,085	...	210	...	...	180	241	...	...	...	1	...
Central Provinces	...	...	...	9	18,469	1,480	19,964	...	...	2,440	3	...	...	4	...	...	...	...
Rajputana and Central India.	...	...	...	700	649	...	1,849	...	...	12,969	...	...	135	...	...	...	...	...
Berar	...	...	...	...	273	...	273	...	...	...	...	...	...	...	...	...	...	...
Bombay	...	...	...	...	...	...	...	...	...	...	...	...	18,349	...	...	...	5	3
Madras	...	...	...	...	20,972	...	20,972	...	400	...	604	...	3,773	...	3,747	.	246	17,890
Pondichery ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	204
Burmah	...	...	...	...	303	...	303	...	...	...	...	...	3,271	600	...	.	1,931	3,370
Sind	...	...	...	...	...	...	...	...	335	...	...	...	...	...	...	...	.	...
Other places ..	159	.	159	...	...	...	159	...	400	...	...	...	...	8	30,824	74 091	...	74,781
Grand Total of Imports in Sept. 1891	14,77.298	1,26,665	15,56,164	5,08,483	5,79,499	57,893	25,92,839	25,07,737	1,904,380	8,62,113	1,83,065	2,25,490	42,1[illegible]8	3,314	40,273	1,16,018	64,359	97,393
Grand Total of Imports in Sept. 1890	889,872	94,300	9,48,810	2,36,268	3,47,619	47,540	14,80,737	20,97,898	1,226,056	5,34,526	1,27,009	2,95,816	26,392	1,257	33,918	51,108	42,026	2,613

* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of September, 1891, was as follows :—

Exported from Calcutta—	Rice.	Paddy.	Total (in rice).	Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.	Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar, Refined.	Sugar, Unrefined.	Tobacco, Unmanufactured.	Tobacco, Manufactured.
To Indian ports, viz.—																		
Bombay ...	83,845	80	83,364	...	8,193	45	91,602	291	2,814,050	...	18,684	4,735	...	...	408	...	...	7
Madras	1,09,120	407	1,09,374	527	6,087	75	1,16,663	...	231,800	...	...	5	...	640	...	...	...	...
Other ports in Madras ...	1,01,494	619	1,01,881	...	5,089	...	1,06,970	4,625	349,700	...	...	2	...	10	...	...	...	6
Burmah	5	...	5	1,873	8,651	3,879	14,408	50	277,800	...	...	52	...	31	724	336	33,405	2 3
Other Indian ports	...	...	...	...	1,741	...	1,741	...	192,750	...	...	1	...	...	1,716	527	2,200	135
Pondicherry ...	200	...	200	199	...	...	399	...	...	...	...	...	...	...	...	...	...	...
Sind	...	...	...	...	...	...	...	...	235,850	...	...	...	...	...	...	...	...	...
Total of Inter-portal trade ...	2,94,164	1,056	2,94,824	2,599	39,361	3,999	3,31,783	4,966	4,151,850	...	18,684	4,795	...	681	2,848	863	35,414	381
To Foreign ports—																		
United Kingdom	1,42,109	...	1,42,109	3,20,139	1,12,354	...	5,74,592	7,34,740	2,356,500	5,68,129	36,330	2,02,197	536	250	200	...	...	4
Other Foreign ports	7,37,449	5,397	7,40,282	2,77,761	76,394	21,406	11,19,383	2,82,423	10,165,452	3,95,784	35,8[illegible]3	15,088	4,196	1,058	80	...	503	222
Total of Foreign trade	8,79,558	5,397	8,82,031	5,07,890	1,88,748	21,406	16,93,975	10,17,162	12,521,952	9,64,213	72,232	2,17,795	4,732	1,308	280	...	503	226
Grand Total of Exports in Sept. 1891	11,73,722	6,453	11,77,755	6,09,489	2,10,109	25,405	20,25,758	10,22,128	16,673,802	9,64,213	90,916	2,22,590	4,732	1,989	3,128	863	30,207	607
Grand Total of Exports in Sept. 1890	7,14,127	5,262	7,17,416	1,41,475	83,593	10,004	9,52,488	15,14,550	9,934,554	6,02,539	2,802	1,94,675	5,028	1,934	3,148	1,050	22,216	498

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of September, 1891.

IMPORTS INTO CALCUTTA.

Specification of Routes.	Food-grains.					Fibrous Products.		Oilseeds.		Tea, Indian.	Cotton, raw.	Silk, raw.	Sugar.		Tobacco.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny bags.	Linseed.	Mustard seed.				Refined.	Unrefined.	Unmanufactured.	Manufactured.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	9,63,903	75,457	1,12,301	1,83 033	25,938	4,32,463	820,095	1,74,744	80,108	......	2,652	551	2,565	31,674	10,142	508
,, river steamers ...	43,852	419	4,679	2,892	.....	5,06,325	......	1,41,465	29,925	1,30,425	53	1,041	1,705	141	134	......
,, rail { E. I. Railway	3,12,600	35,163	4,50,465	1,54,461	31,562	19,555	27,860	5,23,773	43,460	1,766	12,232	433	318	4,915	5,829	392
,, rail { E. B. S. Railway.	84,988	...	1,038	39,203	393	14,50,822	1,034,600	20,084	28,927	81,639	547	678	790	3,479	41,804	......
,, road	50,140	3,218	......	......	... ..	89,572	20,500	......	......	......	174	......	324	2,390	4,045	257
,, sea	21,806	12,408	. . . .	29,010	. ...	... .	1,325	49	645	2,660	26,780	608	34,571	74,019	2,405	96,238
Grand Total of Imports in September ... 1891 ...	14,77,298	1,26,665	5,68,483	4,09,409	57,893	25,07,737	1,904,380	8,62,113	1,83,065	2,25,490	42,438	3,314	40,273	1,16,618	64,359	97,392
Grand Total of Imports in September ... 1890 ...	8,80,872	94,300	2,36,268	2,47,619	47,540	20,07,888	1,226,650	5,34,526	1,27,009	2,05,816	26,302	1,257	33,913	51,106	42,029	2,613

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of September, 1891.

EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.						
Burdwan ...	7,32,150	1,722	687	1,882	26,988	102,689
Beerbhoom ...	5,55,240	4,551	202	1,306	16,538	115,745
Midnapore ...	2,52,700	......	2,805	.. ..	52,059	21,587
Hooghly ...	1,38,571	2,857	603	229	1,502	87,937
24-Pergunnahs ...	1,27,067	4,910	407	......	13,087	9,938
Nuddea ...	7,98,320	......	2,071	......	26,876	33,089
Khulna ...	1,56,820	......	82	......	8 408	910
Jessore ...	1,40,270	.. .	954	......	27,815	8,040
Moorshedabad ...	4,27,410	984	143	......	14,601	8,805
Dinagepore ...	2,05,350	... ..	513	......	11,593	5,605
Rajshahye ...	10,80,390	......	248	......	24,190	5,105
Rungpore ...	6,32,030	......	797	13	11,119	1,680
Bogra ...	4,64,660	......	75	......	10,439	14,420
Pubna ...	5.40,490	... ..	283	......	96,602	6,810
Darjeeling ..	1,57,570	......	416	.....	5,455	525
Julpigoree ...	3,60,600	......	110	. ...	8,922	1,120
Dacca ...	15,10,390	......	3,304	... .	52,078	7,940
Furreedpore ...	2,91,620	......	510	......	44,054	34,965
Backergunge ...	6,95,840	.. ...	1,962	......	38,375	7,280
Mymensingh ...	2,91,610	......	......	.....	21,475	849
Tipperah ...	... .	......	......	... ..	8,825	... ..
Chittagong ...	1,40,980	......	153	34	...	21,750
Noakholly ...		......	......	......	9,850	......
Total of Bengal ...	97,09,168	15,024	16,375	3,464	5,31,451	496,078
BEHAR.						
Patna ...	2,00,130	1,107	605	570	19,845	182,570
Gya ...	1,83,800	. .	7	1,629	12,079	17,990
Shahabad ..	2,77,900	861	64	1,956	18,043	28,770
Mozufferpore ...	1,32,400	. .	... .	113	11,716	39,340
Durbhunga ..	1,77,520	216	19	1,022	16,036	73,115
Sarun ..	2,54,730	123	6	149	25,167	9,315
Chumparun ...	2,87,560	216	21	243	11,118	24,885
Monghyr ...	1,75,210	369	83	489	17,678	77,175
Bhagulpore ...	4,41,840	2,460	441	1,318	21,702	72,596
Purneah ...	1,84,660	246	71	922	17,367	3,935
Maldah ...	... ..	.....	12	.. ...	6,395	500
Sonthal Pergunnahs	4,55,560	369	210	874	18,945	35,385
Total of Behar ...	27,91,460	6,027	1,539	9,485	1,98,041	565,605
ORISSA.						
Cuttack ...	......	......	10	92	......	8,800
Balasore ...	41,460	1,000	1,181	4,791	2,732	154,100
Total of Orissa ...	41,460	1,000	1,191	4,883	2,732	162,900
CHOTA NAGPORE.						
Hazaribagh	76,020	3,321	64	260	3,311	2,380
Singbhoom	8,190	......	15	380	602	2,625
Manbhoom	2,36,250	123	28	2,152	13,234	3,075
Total of Chota Nagpore ...	3,20,460	3,444	107	2,798	17,147	8,080
Grand total of supplies into the Provinces under the Lieutenant-Governor of Bengal ...	1,28,62,488	25,495	19,212	20,630	7,47,371	1,233,863
OTHER PROVINCES.						
Assam	11,86,640	......	3,287	1,813	72,235	37,515
North-Western Provinces and Oudh	25,71,730	7,626	3,070	707	21,022	477,750
Punjab	3,82,270	33,210	554	2	......	350,875
Central Provinces	58,310	246	153	622	......	61,495
Rajputana and Central India	41,090	738	32	28	......	17,115
Berar	140	......	......	2	......	......
Nepal	......	......	......	......	......	......
Nizam's Territory	70	... .	......	......	......	......
Bombay	2,665	..	......	......	......	2,814,950
Madras	30,486	.. ...	54	1,212	......	580,500
Pondicherry	... ..	......	......	......	......	......
Burmah	1,84,345	... ..	768	1,614	......	277,800
Sind	3,600	......	... ..	. .	......	205,850
Other places	72,472	850	24	6,839	11	12,521,952
Grand Total of Exports in September 1891 ...	1,74,05,306	68,174	27,154	33,559	8,41,641	18,669,665
Grand Total of Exports in September 1890 ...	1,00,42,514	52,258	18,475	27,728	6,79,745	11,069,383

The Sea-borne Trade of Calcutta in these Staples during the month of September, 1891, *was as follows:—*

	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
IMPORTED INTO CALCUTTA—						
From Foreign Ports—						
United Kingdom	1,16,40,998	......	10,463	......	5,75,392	......
Other Foreign ports ...	52,516	......	715	......	3,24,436	400
Total of Foreign Trade ...	1,16,93,514	......	11,178	......	8,99,828	400
From Indian Ports—						
Bombay	1,30,713	3,34,565	5	9,863	69,303	400
Madras	750	15,935	......	1,434	... ..	......
Other ports in Madras ...	250	......	......	418	2,138	......
Burmah	12,187	.....	......	......	......	......
Other Indian ports ...	300	60	.... .	12	... ..	525
Total of Interportal Trade ...	1,44,200	3,50,560	5	11,757	71,441	925
Grand Total of Imports in September 1891...	1,18,37,714	3,50,560	11,183	11,757	9,71,269	1,325
Grand Total of Imports in September 1890...	1,04,19,751	4,01,408	11,222	13,030	7,65,403	9,650

* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of September, 1891.

Specification of Routes.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	1,44,950	2,750	2,503	......	4,18,984	94,388
,, river steamers ...	14,03,840	....	5,327	1,813	66,453	94,085
,, rail { East Indian Railway ...	73,78,070	58,548	5,763	16,973	2,30,083	1,695,750
,, rail { Eastern Bengal State Railway ...	77,79,520	......	10,903	......	1,21,107	107,870
,, road ...	1,54,188	5,017	469	191	4,169	3,770
,, sea ...	4,84,738	1,839	2,190	14,582	845	16,673,802
Grand Total of Exports in September... 1891 ...	1,74,05,306	68,174	27,154	33,559	8,41,641	18,669,665
Grand Total of Exports in September... 1890 ...	1,09,42,514	52,258	18,475	27,728	6,79,745	11,069,383

STATISTICAL DEPARTMENT,
The 28th December, 1891.

O. E. BUCKLAND,
Secretary to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 20th to 26th December 1891.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	Temperature.				Hygrometry.				Wind.		Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
		°		Inches.	°	°	°	°	°	Inches	°	%			Inches.	
Dec.	20th	130·7	9·3	30·099	65·3	78·4	23 9	54·5	59·5	0·434	55·0	72	N and N by W ...	52	Nil	Clear, ⌓.
,,	21st	129·8	9·1	·087	64·9	78·0	24·5	53·5	59·1	·427	54·6	71	N by W and N by E.	67	,,	Clear, ⌓.
,,	22nd	125·8	8·9	·064	64·9	77·8	21·3	53·5	58·9	·423	54·3	71	N by E and N by W.	45	,,	Clear, ⌓.
,,	23rd	131·8	8·7	·130	64·7	76·3	21·7	54·6	58·0	·398	52·6	67	N by W and NNW	76	,,	Chiefly clear, ⌓.
,,	24th	135·4	1·4	·157	64·0	72·8	16·6	56·2	57·4	·383	51·9	66	N ...	71	,,	Chiefly cloudy, o.
,,	25th	130·4	9·4	·147	62·0	75·2	23·7	51·5	55·1	·345	48·7	65	N and NW by N	48	,,	Clear, ⌓.
,,	26th	125·8	8·9	·125	61·5	75·0	24·1	50·9	55·0	·348	49·0	63	N ...	62	,,	Clear, ⌓.

	Inches.
The mean pressure of the seven days	30·116
The average pressure of the corresponding period for 24 years, S.-G.'s Office ...	30 039
	Hours.
The total number of hours of bright sunshine	55·7
The maximum possible number of hours of sunshine	74·9
	°
The mean temperature of the seven days	63·9
The average temperature of the corresponding period for 24 years, S.-G.'s Office	67·4
The extreme variation of temperature	27·5
The maximum temperature	78·4
	Miles.
The highest velocity of the wind in one hour	8
	lbs.
The highest pressure of wind on one square foot	?
	%
The mean relative humidity	68
The average relative humidity of the corresponding period for 24 years, S.-G.'s Office	71
	Inches.
The total fall of rain from 20th to 26th December 1891	Nil
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	Nil
The total fall from 1st January to 26th December 1891	46·93
The average fall of the corresponding period for 24 years, S.-G.'s Office ...	65·23

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard, Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph

The mouth of the rain-gauge is one foot above the ground.

o, overcast; ⌓, dew.

C. LITTLE,

For Meteorological Reporter to the Govt. of In

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 28th December 1891.

Meteorological Report of the Province of Bengal

Meteorological Division.	District.	Representative station.	STATION OBSERVATIONS. Air Pressure. Mean barometric height, 8 A.M.	Mean reduced to sea-level and to lat. 45°.	Variation from mean.	Wind. Prevailing direction.	Mean wind velocity.	Temperature. Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 8 A.M. temperature.
Orissa.	Pooree	Pooree	30·139	30·108	—	N	278	83·7	20th Dec.	56·1	26th Dec.	81·0	61·2	71·1	—	66·0
		Gopalpore	30·157	30·119	+·080	NNW	205	88·2	20th „	54·0	26th „	80·5	60·4	70·5	+1·7	65·1
		False Point	30·159	30·122	+·076	N, NNA	180	79·9	20th „	51·0	25th „	77·7	57·0	67·3	+2·0	61·8
	Cuttack	Cuttack	30·108	30·134	+·087	Calm	39	83·8	20th „	51·0	26th „	81·2	57·5	69·4	+0·6	62·0
	Balasore	Balasore	30·123	30·128	+·071	NW	76	81·3	20, 23 „	48·4	25, 26 „	79·6	53·2	66·4	+2·2	57·3
South West Bengal.	South-West Midnapore, South 24-Pergunnahs	Saugor Island	30·150	30·120	+·083	NNE	216	70·2	20th „	54·3	20th „	76·0	57·5	67·1	+1·6	61·9
	Midnapore	Midnapore	30·034	30·139	+·074	N, NW	277?	82·3	23rd „	50·2	26th „	79·3	53·9	66·6	+1·3	59·7
	24-Pergunnahs, Howrah, Hooghly	Calcutta	30·172	30·140	+·086	N	65	78·7	20th „	50·7	26th „	76·7	53·6	65·2	+1·1	59·5
	Burdwan	Burdwan	30·105	30·137	+·094	NW	30*	80·6	20th „	49·5	26th „	78·7	53·4	66·0	+1·3	59·8
	Bankoora	Bankoora	29·858	30·130	+·072	W	58	80·6	20th „	47·8	20th „	77·6	52·6	65·2	+0·9	56·4
	Beerbhoom, West Burdwan	Raneegunge	29·855	30·175	+·082	NWly	77	80·0	20th „	48·2	25th „	78·1	52·7	65·5	+1·1	53·9
	Moorshedabad	Berhampore	30·118	30·138	+·076	W	36	78·6	21st „	53·2	25, 26 „	77·1	54·7	65·9	+2·0	56·4
	Nuddea	Krishnaghur	30·136	30·135	+·050	WNW	64	79·4	20th „	48·3	25th „	77·9	51·1	64·5	+0·1	57·9
	Jessore, Khoolna	Jessore	30·147	30·128	+·088	Calm & NNW.	51	70·2	20th „	51·5	26th „	77·1	53·8	65·5	+1·1	58·9
East Bengal.	Chittagong	Chittagong	30·067	30·105	+·083	Calm	30*	81·7	20th „	54·1	26th „	79·5	56·4	68·0	+1·6	63·5
	Chittagong Hill Tracts	Demagiri						Observations not received.								
	Backergunge	Barrisal	30·150	30·108	+·097	Calm	43	70·3	20th Dec.	51·1	26th „	76·2	53·4	64·8	+0·9	61·7
	Noakhally	Noakholly	30·119	30·111	+·007	N	56	81·5	20th „	50·0	26th „	78·5	52·6	65·6	+0·6	61·6
	Furreedpore	Furreedpore	30·136	30·125	+·091	Calm	40	73·5	20–26? „	52·5	26th „	73·5	54·4	64·0	+0·5	59·2
	Dacca	Dacca	30·141	30·112	+·079	NNW	55	80·1	20th „	53·8	26th „	78·7	55·7	67·2	+1·0	59·6
	Commillah	Commillah	30·135	30·119	+·089	N	12	80·0	20th „	51·1	26th „	78·2	52·8	65·5	+1·1	59·6
	Mymensingh	Mymensingh	30·109	30·120	+·086	Calm	29	77·2	22nd „	52·1	25th „	76·6	53·4	65·0	+2·0	58·5
North Bengal.	Bogra	Bogra	30·084	30·101	+·089	NE	36	78·3	20–22 „	51·2	26th „	77·0	53·3	65·2	+0·8	58·2
	Pubna	Serajgunge	30·120	30·118	+·079	N	10	78·0	21st „	49·5	23rd „	77·1	52·9	65·2	+1·7	58·3
	Rajshahye	Rampore Beauleah.	30·111	30·129	+·092	N	102	77·9	20, 22 „	50·5	23rd „	76·4	53·3	64·9	+2·5	58·0
	Maldah	Maldah	30·124	30·161	—	NW	93	79·8	20, 21 „	47·5	23rd „	78·3	51·9*	65·0*	—	57·9
	Dinagepore	Dinagepore	30·056	30·136	+·073	W	30	79·6	21st „	48·0	25th „	78·3	49·6	64·0	+1·8	55·8
	Rungpore	Rungpore	30·058	30·143	+·074	E	28	78·4	22nd „	47·0	25th „	77·2	50·0	63·6	+2·1	56·1
	Julpigoree, Cooch Behar	Julpigoree	29·879	30·135	+·068	N	43	78·4	20th „	49·6	22nd „	76·7	50·4	63·6	+1·5	56·5
	Darjeeling Hill Tracts	Darjeeling	23·086	—	+·062	Variable	65	50·8	22nd „	33·3	23rd „	48·1	35·1	41·6	+0·3	39·6
North Behar.	Purneah, North Bhagulpore	Purneah	30·063	30·152	+·086	WSW	20	70·2	20, 21 „	45·3	25, 26 „	77·2	46·3	61·8	+1·0	51·1
	Mozufferpore	Mozufferpore	30·161	30·149	—	WSW	59	77·4	20th „	43·8	25th „	75·9	47·4	61·7	—	52·0
	Durbhunga	Durbhunga	30·053	30·135	+·107	NW	52	77·3	20th „	47·7	25th „	75·7	50·6	63·2	+1·1	53·0
	Chumparun	Motihari	29·952	30·153	+·090	WNW	98	78·2	20th „	40·0	24th „	76·2	44·1	60·2	+1·0	52·1
	Sarun	Chupra	30·015	30·163	+·120	SW	50	76·8	20th „	46·3	26th „	75·1	49·3	62·2	+1·1	53·7
South Behar.	Shahabad	Dehree	29·848	30·178	+·097	SSW	104	75·8	22nd „	47·5	26th „	74·5	51·1	64·9	+2·0	56·2
		Buxar	29·975	30·186	+·101	WNW	72	76·4	20th „	44·4	25th „	74·6	47·5	61·1	+0·2	57·7
		Arrah	30·109	30·166	+·112	WSW	49	76·8	20th „	?	—	75·2	?	?	?	53·3
	Gya	Gya	29·834	30·189	+·105	S	123	76·5	22nd „	45·9	26th „	74·9	49·0	62·0	+0·1	55·7
	Patna	Bankipore	30·024	30·171	+·079	W	71	74·3	22nd „	45·4	25th „	72·4	49·7	61·1	+0·5	57·7
	South Bhagulpore, Monghyr	Bhagulpore	30·129	30·153	+·083	Calm	8	77·8	20, 22 „	44·3	25th „	76·4	48·4	62·5	+1·7	54·7
	Sonthal Pergunnahs	Doomka	29·674	30·159	+·083	NW	65	77·6	22nd „	44·5	25th „	75·9	49·7	62·8	+1·3	54·9
Chutia Nagpur.	Hazaribagh	Hazaribagh	28·113	30·173	+·078	NW	123	75·2	22nd „	46·6	25th „	72·4	49·0	60·7	+1·3	55·1
	Loharungga, Manbhoom	Ranchee	27·974	30·143	+·074	WSW	110	75·0	21st „	44·4	26th „	72·5	48·7	60·6	+1·7	56·5
	Singbhoom	Chyebassa	29·417	30·164	+·120	Variable	20	81·0	23rd „	45·0	25th „	77·7	50·2	64·0	+0·5	62·2

* Mean of 6 days.

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the reading during the same period for the last … The *humidity* of the atmosphere is expressed at percentage, saturated air being presented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the past … stations in the district sending in returns divided by the number of stations. A rainy day is one on which at least a tenth of an inch fell.

for the week ending Saturday, the 26th of December 1891.

Average humidity at 8 A.M.	Average cloud amount at 8 A.M. for week.	Rainfall of week at observing station.	Of week. Mean for district.	Of week. Normal mean.	District observations. Rainfall. Since 1st of month. Mean for district.	Since 1st of month. Normal mean.	Since 1st of month. Variation.	Since 16th October 1891. Mean for district.	Since 16th October 1891. Normal mean.	Since 16th October 1891. Variation.	Of week. Average number of rainy days.	Of week. Normal number of rainy days.	Representative station.	District.	Meteorological Division.
70	0	Nil	Nil	0·03	Nil	0·79	−0·79	8·33	0·32	+2·01	0·00	0·13	Pooree ...	Pooree	Orissa.
79	0	Nil											Gopalpore ...		
83	1·4	Nil											False Point ...		
71	1·9	Nil	Nil	0·04	Nil	0·54	−0·54	7·69	4·01	+3·68	0·00	0·11	Cuttack ...	Cuttack	
81	0·3	Nil	Nil	0·01	Nil	0·27	−0·27	3·97	2·66	+1·31	0·00	0·06	Balasore ...	Balasore	
89	1·6	Nil	Nil	0·01	Nil	0·35	−0·35	2·54	4·14	−1·60	0·00	0·03	Saugor Island ...	South-West Midnapore South 24 Pergunnahs	South-West Bengal.
86	0·6	Nil	Nil	0·01	Nil	0·25	−0·25	0·28	1·82	−1·54	0·00	0·04	Midnapore ...	Midnapore	
74	1·1	Nil	Nil	0·01	Nil	0·29	−0·29	0·46	1·75	−1·29	0·00	0·03	Calcutta ...	24-Pergunnahs ... Howrah ... ... Hooghly	
69	1·4	Nil	Nil	Nil	0·02	0·16	−0·14	0·54	1·69	−1·06	0·00	0·00	Burdwan ...	Burdwan	
75	1·1	Nil	Nil	Nil	Nil	0·26	−0·26	0·56	1·65	−1·09	0·00	0·00	Bankoora ...	Bankoora	
70	1·4	Nil	Nil	Nil	Nil	0·13	−0·13	1·35	1·05	+0·30	0·00	0·00	Raneegunge ...	Beerbhoom ... West Burdwan ...	
87	1·7	Nil	Nil	Nil	Nil	0·15	−0·15	1·34	0·95	+0·39	0·00	0·00	Berhampore ...	Moorshedabad ...	
79	1·3	Nil	Nil	0·01	0·01	0·14	−0·13	0·74	1·60	−0·86	0·00	0·02	Krishnagur ...	Nuddea	
82	1·3	Nil	Nil	0·01	0·01	0·24	−0·23	1·85	2·09	−0·24	0·00	0·04	Jessore ...	Jessore ... . Khoolna	
85	2·7	0·12		Nil		0·48			4·92			0·00	Chittagong ...	Chittagong	East Bengal.
			Nil	Nil	Nil	0·51	−0·51	3·33	4·25	−0·92	0·00	0·00	Demagiri ...	Chittagong Hill Tracts	
87	0·7	Nil	Nil	Nil	Nil	0·37	−0·37	1·31	3·42	−2·08	0·00	0·00	Barrisal ..	Backergunge	
87	0	Nil	Nil	0·01	0·03	0·80	−0·77	2·43	4·75	−2·32	0·00	0·05	Noakhally ...	Noakhally	
87	0·7	Nil	Nil	Nil	Nil	0·13	−0·13	1·94	1·64	+0·30	0·00	0·00	Furreedpore ..	Furreedpore	
86	1·4	Nil	Nil	Nil	Nil	0·23	−0·23	2·47	2·26	+0·21	0·00	0·00	Dacca ..	Dacca	
88	0·7	Nil	Nil	0·01	Nil	0·37	−0·37	5·67	2·36	+3·31	0·00	0·03	Commillah ...	Commillah	
93	1·4	Nil	Nil	0·06	Nil	0·21	−0·21	1·91	1·88	+0·03	0·00	0·04	Mymensingh ...	Mymensingh	
80	0	Nil	Nil	0·01	Nil	0·16	−0·16	2·34	1·25	+1·09	0·00	0·01	Bogra ...	Bogra	North Bengal.
86	1·0	Nil	Nil	0·02	Nil	0·12	−0·12	1·05	1·70	−0·65	0·00	0·04	Serajgunge ...	Pubna	
79	1·0	Nil	Nil	Nil	Nil	0·12	−0·12	1·22	1·04	+0·18	0·00	0·00	Rampore Beauleah	Rajshahye	
86	0	Nil	Nil	0·02	Nil	0·12	−0·12	0·14	1·20	−1·06	0·00	0·05	Maldah ...	Maldah	
85	0·7	Nil	Nil	Nil	Nil	0·16	−0·16	0·19	0·74	−0·55	0·00	0·00	Dinagepore ..	Dinagepore	
91	0·1	Nil	Nil	0·02	Nil	0·17	−0·17	0·17	1·13	−0·96	0·00	0·04	Rungpore ...	Rungpore	
88	0	Nil	Nil	0·01	Nil	0·16	−0·16	Nil	1·33	−1·33	0·00	0·04	Julpigoree ..	Julpigoree ... ... Cooch Behar ...	
73	1·4	Nil	Nil	0·03	Nil	0·27	−0·27	0·71	2·26	−1·55	0·00	0·06	Darjeeling ...	Darjeeling Hill Tracts	
89	0·6	Nil	Nil	0·02	Nil	0·11	−0·11	Nil	1·10	−1·10	0·00	0·05	Purneah ...	Purneah ... ... North Bhagulpore ...	North Behar.
93	0·6	Nil	Nil	0·05	Nil	0·12	−0·12	0·06	0·95	−0·89	0·00	0·05	Mozufferpore ..	Mozufferpore	
84	0·6	Nil	Nil	0·02	Nil	0·00	−0·00	Nil	0·80	−0·80	0·00	0·03	Durbhunga ...	Durbhunga	
93	0·6	Nil	Nil	0·05	Nil	0·22	−0·22	Nil	0·50	−0·50	0·00	0·10	Motihari	Chumparun	
87	0	Nil	Nil	0·02	Nil	0·16	−0·16	0·05	0·90	−0·85	0·00	0·04	Chupra ...	Sarun	
76	0	Nil											Dehree ...		South Behar.
71	0·3	Nil	Nil	0·04	Nil	0·31	−0·31	0·04	1·43	−1·39	0·00	0·07	Buxar ...	Shahabad	
80	0	Nil											Arrah ...		
69	3·6	Nil	Nil	0·05	Nil	0·23	−0·23	0·20	1·00	−0·80	0·00	0·09	Gya ..	Gya	
68	0	Nil	Nil	0·02	Nil	0·14	−0·14	0·13	1·25	−1·12	0·00	0·03	Bankipore ...	Patna	
78	1·1	Nil	Nil	0·01	Nil	0·08	−0·08	0·07	1·23	−1·16	0·00	0·03	Bhagulpore ...	South Bhagulpore . Monghyr	
72	0	Nil	Nil	0·01	Nil	0·11	−0·11	0·49	1·17	−0·68	0·00	0·02	Doomka ...	Sonthal Pergunnahs ..	
67	1·4	Nil	Nil	0·01	Nil	0·27	−0·27	0·15	1·15	−1·00	0·00	0·04	Hazaribagh ...	Hazaribagh	Chutia Nagpur.
70	2·4	Nil	Nil Nil	0·03 0·01	Nil Nil	0·33 0·20	−0·33 −0·20	0·18 0·46	1·54 1·20	−1·36 −0·74	0·00 0·00	0·05 0·03	Ranchi ...	Lohardugga ... ... Manbhoom	
66	2·1	Nil	Nil	0·01	Nil	0·38	−0·38	0·54	1·76	−1·22	0·00	0·05	Chyebassa ...	Singbhoom	

...en years. The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.
...enoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head District observations of rainfall the normal mean
...en years. The means of the district are the numerical average of the rainfall return received in the district, i.e., from total rainfall at the subdivisional

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 26th of December 1891.

Meteorological division.	District.	Station.	Rainfall. Sunday, 20th Dec.	Monday, 21st Dec.	Tuesday, 22nd Dec.	Wednesday, 23rd Dec.	Thursday, 24th Dec.	Friday, 25th Dec.	Saturday, 26th Dec.	Total.— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
ORISSA ..	Pooree ...	Pooree ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·71	15·91	7·25
		Khurdah ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·54	3·74	4·59
		Banpur ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	1·13	1·77	6·28
		False Point ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·79	12·25	7·16
		Gor ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	?	?
		Satpara ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·10	?
		Pipli .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·98	?
	Cuttack	Jagatsingpore	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·36	12·47	4·13
		Banki ..	......	......	......	......	......	......	......	Nil	Nil	0·10	Nil	0·76	1·17	3·00
		Cuttack ...	......	......	......	......	......	......	......	Nil	Nil	0·05	Nil	0·35	4·87	4·04
		Kendrapara ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·51	16·72	4·16
		Jajpore ...	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·71	3·24	3·82
		Dharmsala .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	5·30	?
		Salipore	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	8·20	?
	Balasore	*Akhoyapada*	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	4·74	?
		Chandbali ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·60	11·05	3·95
		Bhuddruck ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·25	5·85	2·86
		Sorah ...	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·15	3·93	2·07
		Balasore ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·36	2·47	3·47
		Jellasore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·11	0·82	1·23
		Baripodah ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·16	0·35	1·88
SOUTH-WEST BENGAL.	Midnapore	Contai ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·41	2·40	4·85
		Saugor Island	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·3[illegible]	4·44	5·03
		Tumlook	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·28	0·35	2·40
		Midnapore ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·1[illegible]	0·18	2·12
		Ghatal .	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·3[illegible]	0·33	0·90
		Kukrahaty .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·31	?
		Garbetta ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·19	?
	24-Pergunnahs	Diamond Harbour ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·28	0·70	2·40
		Canning Town	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·34	?
		Alipore Jail .	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·3[illegible]	0·43	2·21
		Barrackpore..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·30	0·28	1·68
		Dum-Dum	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·31	0·10	1·86
		Baraset .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·31	0·36	1·88
		Busserhat ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·21	1·28	1·76
	Howrah	Howrah	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·33	0·29	2·01
		Mohesreka ..	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·31	0·41	1·29
		Oolooberia ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·86	?
	Hooghly .	Serampore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·28	0·40	1·59
		Hooghly ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·24	0·33	1·77
		Jehanabad	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·20	0·30	1·50
	Burdwan	Culna ..	......	......	......	......	......	......	......	Nil	Nil	Nil	0·06	0·16	0·34	1·62
		Burdwan ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·21	0·28	1·68
		Cutwa	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·09	0·98	1·51
		Raneegunge	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·11	0·56	1·15
		Mankur ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·55	?
	Bankoora	Bankoora ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·23	0·69	1·63
		Bishenpore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·24	0·37	1·61
		Mahara .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·21	0·05	1·27
		Khatra ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·55	0·50	2·06
		Indas ..	......	......	......	......	......	......	......	Nil	Nil	?	0·02	?	0·48	?
		Kotalpore ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·30	?
		Anda	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·41	?
		Gangajalghati	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·29	?
		Raipore .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·82	?
		Sonamukhi .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·51	?
	Beerbhoom	Bh. Soory	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·11	1·45	1·35
		Hetampore ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·11	1·52	0·66
		Rampore Haut	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·18	1·88	0·99
		Bolpore ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·10	?
		Murari ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	0·56	?
	Nuddea	Ranaghat	......	......	......	......	......	......	......	Nil	Nil	Nil	0·01	0·21	0·60	1·71
		Kishnaghur ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·08	1·30	1·28
		Chooadanga	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·[illegible]4	0·17	1·99
		Meherpore ..	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·16	0·30	1·45
		Kooshtea	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·12	1·00	1·61
	Khoolna .	Satkhira	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·24	3·13	2·21
		Bagirhat ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·24	2·78	2·19
		Khoolna ..	......	......	......	......	......	......	......	Nil	Nil	0·03	Nil	0·31	3·80	2·36
		Nakipur ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	2·82	?
		Rampal	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·80	?
	Jessore ...	Narail .	......	......	......	......	......	......	......	Nil	Nil	0·02	Nil	0·24	2·13	2·38
		Jessore ..	......	......	......	......	......	......	......	Nil	Nil	0·04	0·04	0·24	1·43	2·24
		Jhenidah .	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·15	0·34	1·92
		Magoorah ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·25	0·52	1·54
		Bongong ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·22	0·56	1·94
	Moorshedabad	Kandi ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·19	1·20	1·20
		Berhampore...	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·17	1·06	1·01
		Lalbagh ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·15	0·86	1·01
		Azimgunge ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·11	1·86	0·92
		Jungipore	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·12	1·43	0·81
		Lalgola ..	......	......	......	......	......	......	......	Nil	Nil	0·01	Nil	0·12	1·60	0·73
		Aurungabad ..	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·63	?
		Patkabari .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	1·10	?
EAST BENGAL	Chittagong	Cox's Bazar ...	......	......	......	......	......	......	......	Nil	Nil	Nil	0·04	0·32	4·01	6·01
		Chittagong ...	......	0·16	......	......	......	......	......			Nil		0·63		3·76
		Kutubdia ...	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	8·73	?
		Satkania ..	......	......	......	......	......	......	......	Nil	Nil	?	0·05	?		?
	Chittagong Hill Tracts.	Rangamati ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·51	3·33	4·35
		Lundarbun .	......	......	......	......	......	......	......	Nil	Nil	?	Nil	?	3·04	?
	Backergunge	Patuakhally...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·42	0·93	3·82
		Perozepore	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·27	1·69	3·07
		Burrisal ..	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·27	2·21	3·81
		Bhola ...	......	......	......	......	......	......	......	Nil	Nil	Nil	Nil	0·52	0·55	3·42

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 26th of December 1891—contd.

Meteorological division.	District.	Station.	Rainfall. Sunday, 20th Dec.	Monday, 21st Dec.	Tuesday, 22nd Dec.	Wednesday, 23rd Dec.	Thursday, 24th Dec.	Friday, 25th Dec.	Saturday, 26th Dec.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
East Bengal—concld.		*Gournaddi*	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	4·01	?
		Bauphal	...	...	...	...	...	...	...	Nil	Nil	?	0·04	?	1·60	?
	Noakholly	Noakholly	...	...	...	...	...	...	...	Nil	Nil	0·02	0·16	0·57	2·77	4·05
		Fenny	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	1·00	2·03	5·43
		Harishpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·47	?
		Ramganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·39	?
	Furreedpore	Madaripore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·15	4·24	1·63
		Furreedpore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·14	1·07	1·60
		Goalundo	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·11	0·53	1·08
	Dacca	Munshigunge	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·34	3·78	2·58
		Dacca	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·19	1·98	1·57
		Narainganj	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·28	3·34	3·30
		Manickgunge	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·12	0·82	1·53
		Joydebpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·55	?
	Hill Tipperah	Agartola	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·36	7·40	3·19
	Tipperah	Comilla	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·45	6·12	2·35
		Chandpore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·40	4·45	1·79
		Brahmunberia	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·27	4·50	2·10
		Ramchandrapore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3·42	?
		Nasirnagar	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·55	?
		Daudkandi	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	3·17	?
		Kasba	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	7·44	?
		Laksham	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2·05	?
	Mymensingh	Kishoreganj	...	...	...	...	...	...	...	Nil	Nil	0·19	Nil	0·34	1·67	1·76
		Atia (*Tangail*)	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·10	0·63	1·61
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·16	2·57	1·86
		Jamalpore	...	...	...	...	...	...	...	Nil	Nil	0·16	Nil	0·26	3·00	1·62
		Netrokona	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·17	1·71	2·48
		Subornakhally	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·10	?
		Durgapore	...	...	...	...	...	...	...	Nil	Nil	?		?	Nil	?
		Sherepore Town	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	2·08	?
		Dewanganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·84	?
North Bengal.	Pubna	Pubna	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·11	0·99	1·61
		Serajgunge	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·13	1·09	1·70
	Bogra	Sherepore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·18	2·64	1·55
		Nowkhilla	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·12	2·67	1·42
		Bogra	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·09	3·60	1·38
		Panchbibi	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·20	0·45	0·04
	Rajshahye	Beauleah	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·10	0·01	1·08
		Nattore	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·11	1·44	1·25
		Naogaon	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·17	1·90	0·78
		Lalpore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·07	?
		Manda	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·00	?
	Maldah	Maldah	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·15	0·26	1·51
		Chanchal	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·07	0·02	0·83
		Gajol	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·15	?
		Sibganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·93	?
	Dinagepore	Mohadebpore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·17	0·70	0·47
		Churamon	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·16	0·08	0·43
		Raigunge	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·17	Nil	0·37
		Dinagepore	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·10	Nil	1·92
		Baloorghat	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·24	0·17	0·54
		Thakoorgaon	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Rungpore	Bhowaniganj (*Gyabanda*)	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·18	0·54	1·30
		Rungpore	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·19	0·09	1·00
		Kurigram	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·17	0·0	0·92
		Bagdogra (*Nilphamari*)	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·22	Nil	0·70
		Ulipore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·48	?
	Julpigoree	Julpigoree	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·11	Nil	2·27
		Alipore Dooars	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Fallacotta	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Debiganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Bhagalpore (*Nagrakatta*)	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·41	?
	Cooch Behar	Dinhatta	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·22	Nil	1·09
		Cooch Behar	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·12	Nil	1·24
		Mekligunge	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·19	Nil	1·06
		Mathabhanga	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·14	Nil	0·93
	Darjeeling Hill.	Buxa	...	...	...	...	...	...	...	Nil	Nil	0·11	Nil	0·45	2·30	8·72
		Siliguri	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·10	Nil	0·76
		Darjeeling	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·25	0·07	3·70
		Kalimpong	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·30	0·47	0·55
		Kurseong	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
North Behar	Purneah	Kissengunge	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·16	Nil	1·14
		Arrareah	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·09	Nil	0·92
		Purneah	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·17	Nil	1·64
		Gondwara	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Balarampore	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Mathuri	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Kaliaganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	North Bhagulpore.	Maddapore	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·60	Nil	0·93
		Soopool	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·10	Nil	0·88
		Protabganj	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Durbhunga	Tajpore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·76	Nil	0·80
		Durbhunga	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·17	Nil	0·89
		Madhubani	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·07	Nil	0·76
		Bahera	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Roshera	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Mozufferpore	Sitamarhi	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·12	Nil	0·61
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·08	Nil	1·38
		Hajipore	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·13	0·17	0·82
		Para	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Mahua	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sluhar	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Pupri	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?

Statement of Rainfall in Bengal for the week ending Saturday (8 a.m.), the 26th of December 1891—concld.

Meteorological division.	District.	Station.	Rainfall. Sunday, 20th Dec.	Monday, 21st Dec.	Tuesday, 22nd Dec.	Wednesday, 23rd Dec.	Thursday, 24th Dec.	Friday, 25th Dec.	Saturday, 26th Dec.	Total— Number of rainy days.	Rainfall of week.	Average normal rainfall of week.	Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 16th Oct. 1891.	Average rainfall from 16th Oct. to date.
NORTH BEHAR—*concluded.*	Chumparun ...	Motihari ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·16	Nil	0·48
		Bettiah ...	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·25	Nil	0·48
		Bagaha ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Burhurwa ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Sarun ...	Gopalgunge ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·18	0·07	0·38
		Sewan ...	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·15	0·09	1·20
		Chuprah ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·14	Nil	1·12
SOUTH BEHAR	Shahabad	Buxar	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·21	0·18	1·33
		Dehree ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·57	Nil	1·50
		Bhaboosh ...	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·27	Nil	1·71
		Sasseram ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·27	Nil	1·58
		Arrah ...	...	...	...	...	...	...	...	Nil	Nil	0·03	Nil	0·20	Nil	1·05
		Mohuniah ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Gya	Aurungabad...	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·33	Nil	0·84
		Gya ...	...	...	...	...	...	...	...	Nil	Nil	0·05	Nil	0·22	0·76	1·18
		Nowadah ...	...	...	...	...	...	...	...	Nil	Nil	0·06	Nil	0·19	0·07	1·00
		Jehanabad ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·17	Nil	0·95
		Arwal ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		[illegible]audnagar ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sherghatti ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·26	?
		Rajauli ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		PakriBarawan	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·03	?
	Patna	Patna ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·13	0·21	1·20
		Dinapore	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·14	0·10	1·19
		Behar ...	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·12	0·06	1·30
		Barrh ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·12	0·13	1·27
		Bickram ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Hilsa ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·41	?
	Monghyr ...	Begoosorai ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·07	0·05	1·46
		Monghyr	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·07	Nil	1·32
		Jamui ..	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·08	0·10	0·88
		Gogri ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Sheikpura ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	South Bhagulpore.	Bhagulpore ..	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·10	0·01	1·10
		Banka	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·09	0·18	1·57
		Kolgong ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Bongaon ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Sonthal Pergunnahs.	Rajmehal ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·07	0·14	1·05
		Godda ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·11	0·08	0·91
		Pakour	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·08	1·85	0·98
		Nya Doomka	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·12	0·38	1·11
		Deoghur	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·08	0·18	1·74
		Jamtara ...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·15	0·30	1·25
		Mohagama .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	?	?
		Nayahat .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	1·76	?
CHUTIA NAGPUR.	Hazaribagh	Paonamba (*Giridi*) ..	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·12	Nil	1·12
		Hazaribagh	...	...	...	...	...	...	...	Nil	Nil	0·04	Nil	0·28	0·15	1·27
		Somtaguram	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·31	Nil	0·99
		Mahudi Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·30	Nil	0·96
		Jhoomra Hills	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·31	0·50	1·29
		Burhi ...	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·07	?
		Chatra .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·05	?
		Karagdeha .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·17	?
		Ramghar .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·15	?
	Lohardugga .	Lohardugga...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·52	0·22	1·83
		Ranchi ...	...	...	...	...	...	...	...	Nil	Nil	0·02	Nil	0·26	0·24	1·43
		Palamow	...	...	...	...	...	...	...	Nil	Nil	0·08	Nil	0·24	0·06	1·41
		Silli ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Balumat	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Hosseinabad	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Garwah ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
	Singbhoom	Chyebassa ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·38	0·54	1·76
		Chakradharpore.										?		?		?
		Ghatsilla ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·88	?
		Baharagura	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·62	?
	Manbhoom .	Purulia ...	...	...	...	...	...	...	...	Nil	Nil	0·01	Nil	0·23	0·65	1·20
		Gobindpore ..	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	0·16	0·25	1·18
		Raghunathpore.	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	Nil	?
		Barrabhoom	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·79	?
		Jhalda ..	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·24	?
		Chas .	...	...	...	...	...	...	...	Nil	Nil	?	Nil	?	0·19	?

Explanation.—..... indicate that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank. With reference to the column of rainy days, the definition of a rainy day is when at least 0·1 inch of rain has fallen.

CALCUTTA, *the 29th December* 1891.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING 8 A.M., SATURDAY, THE 26TH OF DECEMBER 1891.

THE meteorological conditions in Bengal during the past week only call for very brief comment, for ordinary north-east monsoon conditions have continued quite uninterruptedly throughout the week, and the only changes which have occurred have been of the usual oscillatory character which accompany fine weather. On the 20th pressure had risen very slowly, and was above the normal by about a twentieth of an inch. Temperature was generally falling moderately, though it still continued above the normal of the day by amounts which generally ranged from 1° to 3°; a steady northerly and north-westerly wind current was blowing over the whole province, humidity was fairly low, the sky was only lightly clouded, and there was no rain. On the 21st the pressure changes were again very small; while temperature continued to fall slowly, but it was still considerably above the normal. On the 22nd a slight to moderate fall of pressure took place, though pressure still remained above the normal, while the temperature changes were a little variable and, if anything, they had an upward tendency. On the 23rd pressure had risen rather rapidly, the rise equalling about 0·06", and pressure became nearly a tenth of an inch above the normal, while temperature on this day fell briskly at the northern stations, though at the southern stations it had increased, and the mean temperature was again above the normal by amounts ranging from about 1° at the northern stations to 4° and 5° at the southern stations. On the 24th again the barometer had risen by small amounts, and pressure became from a tenth to a sixth of an inch above the normal; but, on the other hand, there had been a rather rapid fall of temperature, amounting in some cases to 2°, though the mean temperature of the province was still distinctly above the normal. On the 25th the barometric changes were extremely small, but temperature continued to fall rapidly, the decrease in the mean of the day at some stations exceeding 4°, and the mean temperature became rather below the normal at the southern and western stations, though it was still above elsewhere. On the 26th pressure was generally falling slowly, though it still remained about a tenth of an inch above the normal, and the temperature changes were a little variable and the general distribution of temperature remained practically unchanged. Thus for almost the whole of the week the pressure changes have been unimportant, while as a rule temperature has been falling. Steady northerly winds of moderate strength have also prevailed throughout the week, and cloud proportion and humidity have remained low, and except for a light shower (0·16 inch) of rain reported from Chittagong on the 21st, the whole province has been rainless.

Pressure.—The mean pressure for the week has been in excess of the normal over the whole province. This excess has been largest in North and part of South Behar, where it has averaged more than a tenth of an inch, while in the southern districts it has usually equalled about 0·07" or 0·08".

Temperature—Fell rather rapidly towards the close of the week, but for the greater part of it the mean temperature was in considerable excess of the normal. For the whole week the mean temperature of the province was 1·3° above the normal, and this excess has been very evenly distributed in all divisions.

The variation of temperature is, however, most clearly seen in the table below, where the average maximum, minimum and mean temperatures for the week at nine typical stations in different districts of the province are compared with the normal values for the same period. It will be seen that the excess has, if anything, been rather larger in the day than in the night temperatures:—

Table showing the excess or defect of the actual mean temperature from the normal for the week ending 26th December 1891.

	Normal mean maximum temperature for the week ending 26th December.	Actual mean maximum temperature for the week ending 26th December 1891.	Variation of actual mean from the normal.	Normal mean minimum temperature for the week ending 26th December.	Actual mean minimum temperature for the week ending 26th December 1891.	Variation of actual mean from the normal.	Normal mean daily temperature for the week ending 26th December.	Actual mean daily temperature for the week ending 26th December 1891.	Variation of actual mean from the normal
Cuttack	81·0	81·2	+0·2	56·7	57·5	+0·8	68·7	69·4	+0·7
Calcutta	74·6	76·7	+2·1	53·6	53·6	0	64·1	65·2	+1·1
Dacca	77·0	78·7	+1·7	55·2	55·7	+0·5	66·1	67·2	+1·1
Burdwan	76·2	78·7	+2·5	53·2	53·4	+0·2	64·7	66·0	+1·3
Patna	72·2	72·4	+0·2	48·8	49·7	+0·9	60·6	61·1	+0·5
Gya	74·2	74·9	+0·7	49·5	49·0	−0·5	61·9	62·0	+0·1
Purnea	74·2	77·2	+3·0	46·0	46·3	+0·3	60·8	61·8	+1·0
Hazaribagh	70·3	72·4	+2·1	47·0	49·0	+2·0	59·4	60·7	+1·3
Darjeeling	45·7	48·1	+2·4	35·6	35·1	−0·5	41·4	41·6	+0·2

Rainfall.—Except for a slight shower (0·16 inch) at Chittagong on the 21st, the whole province has been rainless for the week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Saturday, the 26th of December 1891 :—

Meteorological Divisions.	Temperature.						Rainfall.									
	Highest observed during week.	Lowes observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 16th Oct. 1891.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average	Normal average.	Average.	Normal average.
Orissa	83·8	48·4	80·0	57·9	68·0	+1·6	Nil	0·03	—0·03	0·00	0·10	—0·10	Nil	0·51	6·44	4·09
South-West Bengal ...	82·3	47·8	77·7	53·7	65·7	+1·2	Nil	0·01	—0·01	0·00	0·02	—0·02	Nil	0·23	1·05	1·78
East Bengal	81·7	50·0	77·3	54·1	65·7	+1·11	Nil	0·01	—0·01	0·00	0·02	—0·02	0·01	0·34	2·41	2·78
North Bengal	79·8	47·5	77·3	51·6	64·5	+1·7	Nil	0·01	—0·01	0·00	0·03	—0·03	Nil	0·16	0·65	1·16
North Behar	79·2	40·0	76·0	47·5	61·8	+1·0	Nil	0·02	—0·02	0·00	0·05	—0·05	Nil	0·12	0·02	0·89
South Behar	77·8	44·3	74·8	49·2	62·1	+0·9	Nil	0·02	—0·02	0·00	0·05	—0·05	Nil	0·16	0·19	1·20
Chutia Nagpur	75·2*	44·4	72·5	48·9	60·7	+1·5	Nil	0·01	—0·01	0·00	0·03	—0·03	Nil	0·28	0·25	1·31

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 29*th December* 1891.

A. PEDLER,
Meteorological Reporter to the Govt. of Bengal.

Results of the Barometrical and Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 20th to 26th December 1891.

Month.	Date.	Pressure at 10 A.M. corrected and reduced to 32° Fahr.	Temperature.						Hygrometry.			Rainfall past 24 hours.
			Daily mean.	Maximum.	Range.	Minimum.	Dry bulb at 10 A.M.	Wet bulb at 10 A.M.	Vapour tension at 10 A.M.	Dew point at 10 A.M.	Humidity at 10 A.M.	
1891.		Inches.	°	°	°	°	°	°	Inches.	°	%	Inches.
December ..	20th ...	30·186	67·0	78·9	23·8	55·1	70·8	62·5	·456	56·4	61	...
,, ...	21st ...	·170	66·1	78·3	24·4	53·9	72·6	63·2	·455	56·4	56	...
,, ...	22nd ...	·130	66·4	78·9	25·0	53·9	71·6	63·2	·469	57·2	60	...
,, ...	23rd ...	·190	65·9	76·9	22·0	54·9	70·6	61·7	·432	54·8	57	...
,, ...	24th ...	·231	65·4	74·9	19·0	55·9	67·6	59·7	·409	53·4	61	...
,, ...	25th ...	·228	64·0	76·9	25·8	51·1	67·6	59·5	·403	53·0	60	...
,, ...	26th ...	·204	63·2	75·4	24·5	50·9	68·6	56·7	·303	45·3	43	...

	Inches.
The mean 10 A.M. pressure of the seven days	30·191
The mean temperature of the seven days	65·4
The extreme variation of temperature	28·0
The maximum temperature	78·9
	%
The mean 10 A.M. relative humidity of the seven days	57
The total fall of rain from 20th to 26th December 1891	Nil

The daily mean temperatures are the crude means of maximum and minimum temperatures.

C. LITTLE,
For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA,
The 28*th December* 1891.

STATEMENT SHOWING THE RESULTS OF THE REGISTRATION OF BIRTHS AND DEATHS IN THE PRINCIPAL MUNICIPALITIES IN BENGAL DURING THE WEEK ENDING WITH SATURDAY, THE 5TH DECEMBER 1891.

Statement showing the Results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending with Saturday, the 5th December 1891.

1	2	3			4			5			6	7							8							9	10		11		12
		POPULATION.			BIRTHS.							MORTALITY ACCORDING TO—																			
												Diseases.															Sex.				
					Number of—			Ratio per 1,000 of population per annum.				Deaths from—							Ratio per 1,000 of population per annum.								Deaths.		Ratio per 1,000 of population per annum.		
Districts.	Names of Municipalities.	Male.	Female.	Total.	Male.	Female.	*Total.*	Male.	Female.	*Total.*	Ratio of male births to every 100 female births.	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Cholera.	Small-pox.	Fever.	Dysentery and diarrhœa.	Injury.	Other causes.	*All causes.*	Ratio of deaths per 1,000 of population per annum in the preceding week.	Male.	Female.	Male.	Female.	Ratio of male deaths to every 100 female deaths, calculated on the proportion such mortality bears to the total male and female population.
Burdwan	Burdwan ...	18,063	16,017	34,080	9	6	*15*	13·7	9·2	*22·9*	150	4	...	9	8	...	7	*28*	6·1	...	13·7	12·2	...	10·7	*49·7*	33·6	18	10	51·8	32·5	159
	Raniganj ...	6,346	4,691	10,937	2	1	*3*	9·5	4·7	*14·3*	200	2	...	3	3	...	3	*11*	9·4	...	14·3	14·3	...	14·3	*52·3*	66·6	8	3	66·6	33·3	200
Bankura ...	Bankura ...	8,970	8,925	17,895	6	2	*8*	17·4	5·8	*23·2*	300	1	...	9	3	...	2	*15*	2·9	...	26·2	8·7	...	5·8	*43·6*	23·2	9	6	52·2	35·0	149
Birbhum ...	Soori ...	3,982	3,866	7,848	1	...	*1*	6·6	...	*6·6*	No female birth.	...	...	7	...	...	...	*7*	...	...	46·4	...	...	...	*46·4*	13·3	4	3	52·2	40·4	129
Midnapore ...	Midnapore ...	16,927	16,633	33,560	7	7	*14*	10·8	10·8	*21·7*	100	...	...	7	4	...	15	*26*	...	...	10·8	6·2	...	23·2	*40·3*	29·4	16	10	49·2	31·3	157
Hughli, including Serampore.	Hughli and Chinsurah.	15,858	15,829	31,687	10	7	*17*	16·4	11·5	*27·9*	142	3	...	30	7	...	5	*45*	4·9	...	49·2	11·5	...	8·2	*73·8*	113·2	19	26	62·3	85·4	73
	Serampore ...	13,569	12,937	26,406	6	6	*12*	11·8	11·8	*23·6*	100	7	...	17	17	1	8	*50*	13·7	...	33·3	33·3	2·0	15·7	*98·1*	98·1	25	25	95·9	100·5	96
	Utterpara ...	3,046	2,464	5,510	2	3	*5*	18·8	28·5	*47·2*	66	2	...	6	2	...	2	*12*	18·8	...	56·6	18·8	...	18·8	*113·2*	113·2	5	7	85·4	147·7	58
Howrah ...	Howrah ...	53,153	37,660	90,813	28	19	*47*	16·0	10·9	*26·9*	159	9	...	25	32	2	9	*77*	5·2	...	14·3	18·3	1·1	5·2	*44·1*	23·5	50	27	48·9	37·3	131
	Bali ...	7,836	6,979	14,815	2	3	*5*	7·0	10·5	*17·5*	66	1	...	4	1	...	3	*9*	3·5	...	14·0	3·5	...	10·5	*31·6*	35·1	6	3	39·8	22·4	179
24-Pergunnahs.	Cossipore-Chitpore	16,080	10,214	26,294	3	5	*8*	5·9	9·9	*15·8*	60	7	...	24	1	1	7	*40*	13·8	...	47·5	2·0	2·0	13·8	*79·1*	100·9	21	19	67·9	96·7	70
	Manicktolla ...	16,536	12,112	28,648	8	11	*19*	14·5	20·0	*34·5*	72	1	...	9	1	...	2	*13*	1·8	...	16·3	1·8	...	3·6	*23·6*	34·5	6	7	18·9	30·1	62
	Baranagore ...	15,920	14,062	29,982	14	6	*20*	24·3	10·4	*34·7*	233	4	...	15	2	...	2	*23*	6·9	...	26·0	3·5	...	3·5	*39·9*	53·8	12	11	39·3	40·7	96
	South Suburban	26,400	25,258	51,658	6	8	*14*	6·0	8·1	*14·1*	75	2	...	13	3	...	10	*28*	2·0	...	13·1	3·0	...	10·1	*28·2*	50·3	14	14	27·6	28·8	96
Nuddea ...	Krishnagar ...	13,263	14,214	27,477	2	5	*7*	3·8	9·4	*13·2*	40	2	...	20	2	...	2	*26*	3·8	...	37·8	3·8	...	3·8	*49·2*	79·5	18	6	70·6	29·3	241
	Ranaghat ...	4,028	4,655	8,683	2	1	*3*	13·0	6·0	*18·0*	200	7	...	3	2	...	5	*17*	41·9	...	19·0	12·0	...	29·9	*101·8*	41·9	10	7	129·1	78·2	165
	Santipore ...	13,708	15,979	29,687	7	3	*10*	12·3	5·2	*17·5*	233	3	...	19	...	...	...	*22*	5·2	...	33·3	...	...	...	*38·5*	33·3	9	13	34·1	42·3	80
Jessore ...	Jessore ...	4,830	3,665	8,495	...	1	*1*	...	6·1	*6·1*	No male birth.	...	...	7	1	1	1	*10*	...	...	42·8	6·1	6·1	6·1	*61·2*	67·8	3	7	32·3	99·3	32
Murshedabad	Berhampore ...	11,657	11,948	23,605	4	8	*12*	8·8	17·5	*26·4*	50	1	...	9	...	...	13	*23*	2·2	...	19·8	...	...	28·6	*50·7*	55·1	16	7	71·4	30·5	234
	City Murshedabad	18,901	20,330	39,231	7	12	*19*	9·3	15·9	*25·2*	58	3	...	30	3	...	2	*38*	4·0	...	39·8	4·0	...	2·6	*50·4*	63·6	21	17	57·8	43·5	133
Khulna ...	Khulna ...	3,249	3,043	6,292	2	4	*6*	16·5	33·0	*49·6*	50	...	...	1	...	...	...	*1*	...	...	8·2	...	...	...	*8·2*	57·9	...	1	...	17·1	No male death.
Dinajpore ...	Dinajpore ...	7,254	5,306	12,560	2	4	*6*	9·3	16·5	*24·8*	50	...	...	5	2	...	3	*10*	...	...	29·7	8·3	...	12·4	*41·4*	74·5	8	2	57·3	19·6	228

ajshahye ...	Rampore Beauleah	10,766	9,025	19,791	8	4	*12*	21·0	10·5	*31·5*	200	9	...	32	1	1	1	*44*	23·6	...	84·1	2·6	2·6	2·6	*115·6*	115·6	21	23	101·4	132·5	76
ungpore ...	Rungpore	8,011	5,309	13,320	1	5	*6*	3·9	19·5	*23·4*	20	..	...	6	1	...	5	*12*	...	...	23·4	3·9	...	19·5	*46·8*	78·1	7	5	45·4	49·0	92
ogra ...	Bogra	3,480	2,690	6,179	1	1	*2*	8·4	8·4	*16·8*	100	...	...	6	...	...	...	*6*	...	...	50·5	...	...	...	*50·5*	25·2	3	3	44·8	57·8	77
ubna ...	Pubna	7,701	7,566	15,267	6	7	*13*	20·4	23·8	*44·3*	85	3	.	8	...	..	3	*14*	10·2	.	27·2	...	...	10·2	*47·7*	129·4	4	10	27·0	68·7	89
	Serajganj	11,213	9,824	21,037	3	5	*8*	7·4	12·3	*19·8*	60	...		5	...	...	1	*6*	...	...	12·3	...	...	2·5	*14·8*	34·6	1	5	4·6	26·5	17
arjeeling ...	Darjeeling ...	4,579	2,439	7,018	7	4	*11*	51·9	29·6	*81·5*	175	...		9	...	...	1	*10*	...	..	66·7	...	...	7·4	*74·1*	59·3	8	2	90·8	42·6	213
alpaiguri ...	Julpaiguri ...	4,972	2,975	7,947	2	3	*5*	13·1	19·6	*32·7*	66	...	..	5	1	...	2	*8*	...	...	32·7	6·5	...	13·1	*52·3*	72·0	5	3	52·3	32·4	109
acca ...	Dacca	42,782	37,379	80,161	30	27	*57*	19·5	17·5	*37·0*	111	7	1	21	6	..	22	*57*	4·5	·6	13·6	3·9	...	14·3	*37·0*	32·4	32	25	35·9	34·8	112
	Narainganj ...	7,605	4,956	12,561	8	7	*15*	33·1	29·0	*62·1*	114	23		9	2	...	7	*41*	95·2	.	37·2	8·3	...	29·0	*169·7*	115·9	23	18	157·3	188·9	83
aridpore ...	Faridpore	5,663	4,600	10,263	4	1	*5*	20·3	5·0	*25·3*	400	..	...	13	..	..	2	*15*	...	...	65·9	...	...	10·1	*76·0*	68·8	8	7	73·5	79·1	93
ackerganj ...	Barisal	8,701	4,485	13,186	2	1	*3*	7·9	3·9	*11·8*	200	2	...	1	1	...	4	*8*	7·9	..	5·9	3·9	...	15·8	*31·5*	35·5	7	1	41·8	11·6	350
ymensing ...	Nasirabad ...	10,443	4,413	14,856	4	1	*5*	11·0	3·5	*17·5*	400	1	..	3	...	...	1	*5*	3·5	..	10·5	...	...	3·5	*17·5*	21·0	4	1	19·9	11·8	167
hittagong ...	Chittagong . ..	13,340	8,790	22,130	6	3	*9*	14·1	7·0	*21·1*	200	.		5	...	...	...	*5*	..	..	11·7	..	...	...	*11·7*	7·0	2	3	7·8	17·7	44
oakhali ...	Sudharam ...	3,410	1,714	5,124	1	...	*1*	10·1	...	*10·1*	No female birth.	.	..	2	..		2	*4*	...	..	20·3	...	...	20·3	*40·6*	20·2	2	2	30·5	60·7	63
ipperah ...	Comillah	8,153	5,353	13,506	7	6	*13*	27·0	23·1	*50·1*	116	1	.	1	...	...	2	*4*	5·8	..	3·8	...	...	7·7	*15·4*	42·4	2	2	12·8	19·4	66
atna ...	Patna City ...	78,762	81,475	160,237	25	31	*56*	8·1	10·1	*18·2*	50	6	5	10	7	1	29	*58*	1·9	1·6	3·2	2·3	·3	9·1	*18·8*	23·0	30	28	19·8	17·9	111
	Behar	23,799	25,172	48,971	11	17	*28*	11·7	18·0	*29·7*	64	...	.	26	5	1	5	*37*	.	.	27·6	5·3	1·1	5·3	*39·3*	28·7	14	23	30·6	47·5	64
ya ..	Gya	38,290	37,831	76,121	24	23	*47*	16·4	15·7	*32·1*	104	9	..	31	...	...	17	*57*	6·1	..	21·2	...	...	11·6	*38·9*	47·8	33	24	44·8	33·0	136
hahabad ...	Arrah	20,960	22,505	43,465	7	6	*13*	8·4	7·2	*15·6*	116	...	...	8	...	1	3	*12*	..		9·6	...	1·2	3·6	*14·4*	22·7	7	5	17·4	11·6	150
	Buxar	9,299	8,369	17,668	3	1	*4*	8·8	2·9	*11·8*	300	...	.	8	2	...	1	*11*	...		23·5	5·9	...	2·9	*32·4*	35·3	6	5	33·6	31·1	108
ozufferpore...	Mozufferpore ...	23,084	19,658	42,742	21	13	*34*	25·5	15·8	*41·4*	161	2	1	6	3	...	4	*16*	2·4	1·2	7·3	3·6	...	4·9	*19·5*	26·8	10	6	22·5	15·0	141
urbhanga ...	Durbhanga ...	33,774	32,322	66,096	25	11	*36*	19·7	8·6	*28·3*	227	.	1	18	1	...	5	*25*	...	·8	14·2	·8	.	3·9	*19·7*	29·9	12	13	18·5	20·9	88
aran ...	Chupra	25,116	26,554	51,670	21	18	*39*	21·1	18·1	*39·2*	116	...	.	5	4	1	14	*24*	...		5·0	4·0	1·0	11·1	*24·2*	37·2	11	13	22·8	25·5	89
humparun ...	Motihari	6,328	3,979	10,307	1	5	*6*	5·0	25·2	*30·3*	20	2	...	2	2	...	4	*10*	10·1	..	10·1	10·1	..	20·2	*50·5*	30·3	6	4	49·3	52·3	94
onghyr ...	Monghyr	28,154	29,366	57,520	14	19	*33*	12·6	17·2	*29·8*	74	1	...	11	4	..	19	*35*	·9	..	9·9	3·6	...	17·3	*31·6*	31·0	13	22	24·0	39·0	61
	Jamalpore .	7,456	6,107	13,563	1	5	*6*	3·8	19·1	*23·0*	20	...	...	1	3	...	2	*6*	..	...	3·8	11·5	...	7·6	*23·0*	34·5	3	3	20·9	23·5	58
haguipore ...	Bhagulpore ...	34,916	33,322	68,238	27	27	*54*	20·6	20·6	*41·2*	100	...	.	31	.	..	7	*38*		..	23·6	..	...	5·3	*29·0*	51·1	15	23	22·3	35·9	62
urneah ..	Purneah	8,463	6,553	15,016	1	3	*4*	3·5	10·4	*13·9*	53		...	5	1	...	...	*6*	.	..	17·3	3·5	...	...	*20·8*	38·1	4	2	24·6	15·0	134
laldah ...	English Bazar .	6,289	6,141	12,430	2	3	*5*	8·4	12·5	*20·9*	66	11	...	21	2	...	2	*36*	46·0	...	87·8	8·4	...	5·4	*150·6*	251·3	10	17	157·1	144·0	199
onthal Pergunnahs.	Deoghur	4,964	3,941	8,905	3	3	*6*	19·5	19·5	*39·0*	100	5	...	3	2	...	1	*11*	32·5	...	19·5	13·0	...	6·5	*71·5*	97·4	7	4	73·3	68·4	107
uttack ...	Cuttack	22,632	20,607	43,239	11	13	*24*	13·2	15·6	*28·9*	84	...	4	8	..	...	19	*31*	...	1·8	9·6	..	...	22·8	*37·3*	56·1	17	14	33·1	35·3	110
oori ...	Poori	13,247	11,537	24,784	3	2	*5*	6·3	4·2	*10·5*	150	3	2	6	3		9	*23*	6·3	4·2	12·6	6·3	...	18·9	*48·3*	62·9	11	12	43·2	54·1	89
alasore ...	Balasore	10,282	9,983	20,265	..	7	*7*	...	18·0	*18·0*	No male birth.	6	...	6	...	...	11	*23*	15·4	...	15·4	...	...	28·2	*59·0*	35·9	11	9	70·8	46·2	151
azaribagh ...	Hazaribagh ...	7,630	7,667	15,307	1	4	*5*	3·4	13·6	*17·0*	25	...	..	2	...	1	1	*4*	...	..	6·8	...	3·4	3·4	*13·6*	30·6	3	1	20·4	6·8	310
ohardugga	Ranchi	10,101	8,342	18,413	3	4	*7*	5·4	11·3	*19·7*	75	..	...	4	3	...	3	*10*	...	.	11·3	5·4	...	8·4	*28·2*	16·0	7	3	35·0	18·7	192
ingbhum ..	Chaibassa	3,126	2,880	6,006	4	1	*5*	34·6	8·6	*43·3*	400	..	..	1	1	...	1	*3*	...		8·6	8·6	.	8·6	*26·0*	26·0	2	1	33·3	18·1	184
anbhum ...	Purulia	5,060	4,244	9,304	2	4	*6*	11·1	22·6	*33·5*	50	...		2	3	..	2	*7*	...	.	11·1	16·8	...	11·1	*39·1*	11·2	4	3	41·1	36·5	111
	Total ...	872,026	785,969	1,657,995	430	417	*847*	13·5	13·1	*26·6*	103	150	14	613	152	11	313	*1,253*	4·7	·4	19·2	4·8	·3	9·8	*39·3*	41·6	675	578	40·3	38·2	105

MORTALITY ACCORDING TO— (13, 14: Class)

Districts.	Names of Municipalities.	13. Deaths among— Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	14. Ratio per 1,000 of population per annum. Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.
Burdwan	Burdwan	...	24	4	...	...	...	52·7	20·3	...	...
	Raniganj	...	8	3	...	...	...	46·6	84·8	...	...
Bankura	Bankura	...	14	1	...	...	...	42·9	60·5	...	..
Birbhum	Soori	...	5	2	...	...	...	44·5	52·2	...	...
Midnapore	Midnapore	...	21	5	...	...	...	42·1	33·0	...	..
Hughli, including Serampore.	Hughli and Chinsurah.	...	33	9	...	...	...	74·1	75·9	...	...
	Serampore	...	45	5	...	...	...	92·7	277·2	...	...
	Utterpara	...	12	...	...	...	...	117·2	..	...	..
Howrah	Howrah	...	54	23	...	...	...	41·2	58·3	...	...
	Bali	...	8	1	...	...	...	31·0	39·7	...	...
24-Pergunnahs.	Cossipore-Chitpore	...	33	7	...	...	...	93·9	46·2	...	...
	Manicktola	...	8	5	...	...	...	24·9	22·6	...	...
	Baranagore	...	18	5	...	...	...	36·3	62·7	...	...
	South Suburban	...	11	17	...	...	...	18·1	45·4	...	..
Nuddea	Krishnagar	1	19	6	...	...	91·7	53·0	37·7	...	...
	Ranaghat	...	12	5	...	...	...	85·3	190·5	...	...
	Santipore	...	20	2	...	...	...	50·2	11·6	...	...
Jessore	Jessore	1	4	5	...	...	321·0	46·1	68·0	...	...
Murshedabad.	Berhampore	...	22	1	...	...	...	63·0	10·0	...	..
	City Murshedabad	...	28	9	...	1	...	64·1	23·6	...	60·4
Khulna	Khulna	...	...	1	...	...	...	...	17·1	...	...
Dinajpore	Dinajpore	...	7	3	...	...	...	60·1	24·3	...	...
Rajshahye	Rampore Beauleah	...	20	24	...	...	...	105·0	127·2	...	...
Rungpore	Rungpore	...	4	8	...	...	...	32·1	62·6	...	...
Bogra	Bogra	...	3	3	...	...	...	58·5	45·0	...	...

MORTALITY ACCORDING TO— (15, 16: Age)

Districts.	Names of Municipalities.	15. Deaths. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	16. Ratio per 1,000 of population per annum. Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	2	3	5	1		3	4	5	2	3	157·6	63·1	111·5	20·7	..	19·7	30·2	58·9	42·4	105·3
	Raniganj	1	1	...	...	1	2	2	..	1	3	221·3	52·8	...	...	63·6	42·9	48·8	...	86·1	374·1
Bankura	Bankura	2	1	1	...	1	3	1	2	1	3	219·9	27·2	23·0	...	33·0	47·5	19·7	57·1	47·0	157·1
Birbhum	Soori	...	...	...	..	...	2	...	...	...	5	...	...	...	...	...	73·7	...	...	...	543·9
Midnapore	Midnapore	4	1	...	2	1	1	4	4	1	8	279·9	22·1	...	34·2	16·5	7·1	37·5	55·8	23·2	227·3
Hughli, including Serampore.	Hughli and Chinsurah.	4	12	4	...	1	4	2	5	8	5	259·0	251·2	72·1	...	20·7	33·5	18·2	62·3	160·0	125·4
	Serampore	3	8	1	4	2	7	12	6	1	6	219·7	230·5	20·7	93·7	47·9	67·6	125·5	92·5	27·2	224·3
	Utterpara	1	2	...	...	...	2	2	...	2	3	333·0	247·0	...	...	...	90·4	95·0	...	282·6	600·0
Howrah	Howrah	2	10	2	3	3	14	12	13	10	8	50·4	93·9	16·5	23·7	21·3	32·1	32·4	57·5	94·7	110·9
	Bali	1	...	3	...	...	1	1	1	2	...	143·6	...	146·3	...	...	15·5	18·6	23·9	99·2	...
24-Pergunnahs.	Cossipore-Chitpore	4	1	1	2	1	4	6	6	4	11	435·1	59·0	66·3	41·2	57·2	21·9	49·7	124·7	213·8	1,222·2
	Manicktola	3	3	1	...	.	2	1	1	1	1	2,516·1	1,133·7	331·0	...	...	12·8	6·4	11·5	32·0	54·9
	Baranagore	6	3	1	..	1	3	1	2	2	4	460·9	76·0	20·9	...	22·7	24·4	8·9	25·2	50·3	121·2
	South Suburban	2	4	2	2	1	4	3	1	...	9	78·4	43·8	20·5	21·8	11·8	20·5	18·0	8·8	...	143·9
Nuddea	Krishnagar	5	6	...	3	...	...	2	2	3	3	524·2	126·5	...	55·5	...	...	24·3	31·9	74·0	150·5
	Ranaghat	2	2	1	...	1	6	...	3	2	.	502·4	130·8	46·6	...	83·5	206·9	...	135·4	143·6	...
	Santipore	2	1	1	...	..	3	2	1	1	11	123·1	17·9	13·8	...	...	31·8	24·0	14·8	22·6	291·2
Jessore	Jessore	2	...	...	...	2	2	1	...	1	2	536·1	...	...	...	142·1	51·6	34·0	...	92·4	227·1
Murshedabad.	Berhampore	...	4	...	1	2	2	4	4	2	4	...	130·5	...	27·3	59·0	23·3	47·0	60·4	55·3	130·2
	City Murshedabad	7	5	2	...	...	4	6	4	3	7	477·1	105·6	30·2	...	...	28·4	42·9	35·5	43·9	117·6
Khulna	Khulna	...	...	...	...	..	1	...	...	...	...	...	...	...	...	...	48·5	...	...	...	...
Dinajpore	Dinajpore	...	1	2	...	4	...	2	1	...	...	...	60·2	83·1	...	204·7	...	42·0	33·2	...	...
Rajshahye	Rampore Beauleah	3	10	5	5	3	2	5	3	2	6	384·2	366·7	125·1	141·3	93·9	25·0	72·1	63·6	83·8	324·0
Rungpore	Rungpore	3	...	1	...	...	5	1	...	3	...	669·5	...	41·3	...	...	82·2	18·9	...	141·5	...
Bogra	Bogra	...	...	...	...	1	2	1	...	...	2	...	...	...	...	96·1	78·7	48·6	...	...	331·2

District	Town																														
Pubna	Pubna	...	10	4	...	...	...	72·9	25·7	...	...	1	5	...	2	...	3	...	1	...	2	130·0	178·3	...	75·5	...	53·7	...	30·5	...	104·5
	Serajganj	...	8	8	...	.	...	18·2	12·7	...	...	1	...	...	...	...	1	2	..	1	1	96·5	...	.	...	...	14·1	32·8	...	41·6	44·6
Darjeeling	Darjeeling	...	7	2	1	...	...	79·2	169·9	31·5	...	2	3	1	...	1	...	3	...	...	...	859·5	242·6	85·9	...	81·3	...	108·9	...	...	...
Julpaiguri	Julpaiguri	..	5	3	...	...	...	61·3	42·8	...	...	1	1	1	1	...	1	3	...	...	...	353·7	70·6	57·0	72·0	...	28·7	103·4	..	...	...
Dacca	Dacca	...	29	23	...	...	...	37·4	37·0	...	...	6	5	2	2	3	8	9	3	10	9	164·4	35·3	19·5	13·1	21·4	27·2	40·1	18·6	109·8	84·0
	Narainganj	...	23	16	...	...	...	199·1	151·9	...	...	5	6	2	2	7	11	1	1	..	6	931·9	273·7	78·7	91·6	348·3	214·2	24·3	37·3	...	478·5
Faridpore	Faridpore	...	8	7	...	...	...	77·8	75·0	...	..	2	7	...	...	...	...	2	1	1	2	441·4	291·9	...	...	...	...	71·2	44·6	64·5	140·4
Backerganj	Barisal	...	3	5	...	...	...	25·8	38·1	...	...	2	..	1	...	1	2	1	1	...	...	530·6	...	48·0	...	41·1	32·8	20·8	34·2	...	...
Mymensing	Nasirabad	...	1	4	...	...	...	6·8	29·3	...	...	...	...	...	1	..	...	...	2	1	1	...	...	...	42·7	...	...	...	59·0	56·4	86·1
Chittagong	Chittagong	...	1	4	...	...	...	9·0	13·6	...	...	...	...	...	...	1	2	1	1	...	...	...	...	...	...	21·5	22·5	15·6	23·0	...	...
Noakhali	Sudharam	...	2	2	...	...	...	40·6	41·1	...	...	...	1	2	...	...	...	...	...	...	1	...	146·1	212·2	...	..	...	...	...	...	262·6
Tipperah	Comillah	...	3	1	...	...	...	26·2	7·0	...	...	1	1	...	...	1	...	..	1	...	..	175·1	39·8	...	...	41·3	...	...	39·6	...	...
Patna	Patna City	...	46	12	...	...	...	20·1	15·3	...	...	14	6	4	3	2	10	...	6	4	9	168·9	21·4	12·4	10·2	9·3	18·0	...	16·6	14·7	33·9
	Behar	...	24	13	...	...	...	37·2	41·2	...	...	8	4	2	1	1	3	5	1	6	6	260·1	35·9	17·2	10·8	17·4	18·4	37·0	10·1	86·2	56·8
Gya	Gya	...	42	15	...	...	...	36·4	48·5	...	...	9	9	1	1	2	11	5	1	6	12	261·5	73·7	7·4	7·7	19·9	38·9	20·4	5·3	47·5	121·2
Shahabad	Arrah	...	5	7	...	...	...	8·4	29·3	...	...	2	...	...	...	1	2	1	2	2	2	80·7	...	...	...	16·5	13·2	8·1	22·2	33·6	36·1
	Buxar	...	9	2	...	...	...	33·7	23·9	...	...	4	1	...	1	...	...	...	1	4	...	501·2	30·2	...	28·3	[illegible]	...	...	24·5	188·9	...
Mozufferpore	Mozufferpore	...	8	8	...	...	...	13·9	33·3	...	...	4	1	1	...	1	2	3	2	1	1	[illegible]	12·9	11·6	...	17·2	12·1	22·4	20·8	16·0	21·4
Durbhanga	Durbhanga	...	12	13	...	...	...	12·9	38·5	...	..	7	7	1	...	..	1	3	4	1	1	[illegible]	47·8	6·6	...	...	3·9	14·0	27·9	11·9	16·3
Sarun	Chupra	...	17	7	...	...	...	22·3	30·6	..	.	8	1	3	1	1	3	1	1	2	3	294·8	10·1	26·2	10·4	15·0	16·9	6·7	8·8	25·2	45·9
Chumparun	Motihari	...	8	2	...	...	...	55·3	37·5	...	..	...	1	1	..	1	...	2	3	...	2	...	53·0	47·1	...	78·0	...	70·2	145·4	...	171·3
Monghyr	Monghyr	...	28	7	...	...	...	32·6	29·0	...	...	4	7	3	1	2	2	4	1	...	12	[illegible]	58·5	14·7	0·1	27·5	10·1	23·3	8·2	...	174·0
	Jamalpore	...	6	...	...	...	...	31·8	...	...	...	2	2	...	1	...	...	1	...	...	...	[illegible]	68·3	...	44·2	...	...	21·6	...	...	...
Bhagulpore	Bhagulpore	...	33	5	...	...	...	35·1	13·8	...	...	7	6	3	...	2	4	5	5	3	3	253·7	48·1	22·1	...	21·0	15·9	23·7	34·0	30·8	36·3
Purneah	Purneah	...	4	2	...	...	..	22·7	18·4	..	...	...	...	1	...	...	1	..	2	2	...	...	...	32·9	...	...	15·8	...	56·1	111·0	...
Maldah	English Bazar	...	15	21	...	...	...	107·3	212·2	...	...	4	9	5	3	6	3	2	1	1	2	705·1	491·6	173·2	126·3	293·2	67·9	48·4	33·5	69·5	147·9
Sonthal Pergunnahs.	Deoghur	...	11	...	...	...	...	74·2	...	...	...	2	...	...	1	2	1	...	...	2	3	800·0	...	..	82·7	160·5	27·6	...	...	208·4	408·4
Cuttack	Cuttack	...	28	3	...	...	...	43·3	20·2	...	...	10	5	1	2	...	...	...	3	2	8	506·8	69·6	10·5	25·6	...	...	.	34·4	33·7	141·1
Poori	Poori	...	23	...	...	...	...	48·8	..	...	...	2	5	..	...	...	4	2	3	4	3	343·2	144·7	.	...	..	39·4	25·7	46·9	93·2	86·4
Balasore	Balasore	...	21	2	...	...	...	64·8	33·9	...	...	3	3	2	...	1	4	4	1	5	...	291·9	83·6	41·7	...	30·4	51·0	71·2	23·4	203·0	...
Hazaribagh	Hazaribagh	...	3	1	...	..	...	14·2	12·6	...	...	1	...	...	1	...	...	...	1	...	1	106·8	...	...	32·6	...	..	...	31·9	...	82·1
Lohardugga	Ranchi	3	6	2	...	...	70·0	33·9	19·3	...	...	2	1	1	...	3	1	1	...	1	...	221·3	25·2	23·5	...	112·2	13·6	16·9	...	53·0	...
Singbhum	Chaibassa	...	3	...	...	...	...	30·5	...	...	...	1	..	..	...	...	...	..	2	...	..	321·0	...	...	...	...	...	..	164·8	...	...
Manbhum	Purulia	...	6	1	...	...	...	40·0	41·7	...	.	4	...	...	...	..	...	1	...	1	1	1,175·1	...	.	...	...	...	30·7	...	111·1	151·6
	TOTAL	4	889	338	1	1	15·0	40·0	38·5	25·2	19·9	175	175	70	47	64	159	137	115	111	197	241·2	63·7	21·4	16·3	26·4	24·6	25·4	26·7	43·4	103·4

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

The 28th December 1891.

W. H. GREGG, *Dip. Publ. Health, Camb.,*

Sanitary Commissioner for Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION.

Statement showing heights over mean sea-level and low-water in the Rivers Ganges, Bhagiruthee, Jellinghee, and Brahmapootra, for the month of October 1891.

Date.	River Ganges.																River Bhagiruthee.		River Jellinghee.		River Brahmapootra.	
	Mirzapur.		Benares.		Buxar.		Dinapur.		Monghyr.		Sahebgunge.		Rampore Beauleah.		Goalundo.		Berhampore.		Sarupgunge.		Gowhatty.	
Distance. Miles.	From Allahabad 80		From Allahabad 134	From Mirzapur 49	From Benares 90		From Benares 177	From Buxar ... 87	From Benares 287	From Dinapur 110	From Benares 381	From Monghyr 94	From Benares 471	From Sahebgunge ... 90	From Benares 691	From Rampore Beauleah ... 120						
	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.	Height over zero.	Height over mean sea-level.
1st	33·00	239·21	31·17	227·97	24·75	193·80	28·35	160·78	19·00	120·85	17·25	85·25	17·50	59·50	15·67	24·61	20·00	53·74	20·60	24·90	14·80	163·56
2nd	33·57	241·79	34·00	230·80	25·75	194·80	28·90	161·13	19·33	121·18	17·75	85·75	17·75	59·75	15·75	24·69	20·17	53·91	20·04	24·34	15·70	164·46
3rd	37·83	244·04	36·00	232·80	27·17	196·22	28·40	162·63	20·78	122·63	18·17	86·17	18·25	60·25	16·00	24·94	20·67	54·41	20·04	24·34	16·90	165·66
4th	36·50	242·71	35·75	232·55	27·00	196·05	29·40	164·63	22·75	124·60	19·67	87·67	19·17	61·17	16·58	25·52	21·00	54·74	20·08	24·38	17·20	165·96
5th	34·25	240·47	33·50	230·30	27·00	196·05	29·50	163·73	23·00	124·85	20·83	88·83	20·08	62·08	17·17	26·11	22·17	55·91	20·50	24·80	17·00	165·76
6th	32·25	238·47	30·33	227·10	25·25	194·30	28·80	163·03	23·00	124·85	21·33	89·33	20·50	62·50	17·83	26·77	22·92	56·66	21·00	25·30	17·40	166·16
7th	30·42	236·64	28·00	224·80	23·25	192·30	27·50	161·73	22·25	124·10	21·17	89·17	21·00	63·00	18·08	27·02	23·42	57·16	21·67	25·97	17·80	166·56
8th	29·58	235·80	26·50	223·30	22·83	191·88	26·20	160·43	20·92	122·77	20·50	88·50	20·50	62·50	18·17	27·11	23·42	57·16	22·00	26·30	18·10	166·86
9th	27·17	233·39	23·75	221·55	21·50	190·55	25·20	159·43	19·25	121·10	19·33	87·33	20·08	62·08	18·17	27·11	23·08	56·82	22·17	26·47	18·20	166·96
10th	26·00	232·22	23·00	219·80	20·00	189·05	24·20	158·43	18·17	120·02	18·17	86·17	19·17	61·17	17·92	26·86	22·58	56·32	22·00	26·30	18·00	166·76
11th	24·25	230·47	22·00	218·80	19·42	188·47	23·60	157·83	17·25	119·10	17·42	85·42	18·17	60·17	17·50	26·44	21·67	55·41	21·50	25·80	17·40	166·16
12th	23·00	229·22	21·00	217·80	19·83	188·88	23·00	157·23	16·33	118·18	16·58	84·58	17·17	59·17	17·00	25·94	20·67	54·41	20·92	25·22	16·50	165·26
13th	21·92	228·14	19·00	215·80	19·00	188·05	22·50	156·73	15·83	117·68	15·83	83·83	16·21	58·21	16·50	25·44	19·83	53·57	20·00	24·30	16·10	164·86
14th	20·67	226·89	18·00	214·80	17·83	186·88	21·90	156·13	15·25	117·10	15·25	83·25	15·42	57·42	16·00	24·94	18·83	52·57	19·25	23·55	15·70	164·46
15th	19·17	225·39	17·33	214·13	17·00	186·05	21·30	155·53	14·83	116·68	14·67	82·67	15·08	57·08	15·50	24·44	18·00	51·74	18·42	22·72	14·20	162·96
16th	18·67	224·89	16·00	212·80	16·50	185·55	20·70	154·93	14·42	116·27	14·25	82·25	14·50	56·50	15·00	23·94	17·33	51·07	17·42	21·72	13·10	161·86
17th	18·08	224·30	15·50	212·30	15·75	184·80	20·20	154·43	13·83	115·68	13·75	81·75	14·00	56·00	14·67	23·61	16·58	50·32	17·08	21·38	12·00	160·76
18th	17·33	223·55	15·00	211·80	15·42	184·47	19·60	153·83	13·33	115·18	12·92	80·92	13·50	55·50	14·25	23·19	16·00	49·74	16·33	20·63	10·40	159·16
19th	16·75	222·97	14·50	211·30	15·00	184·05	19·30	153·53	12·75	114·60	12·08	80·08	13·00	55·00	13·83	22·77	15·50	49·24	16·00	20·30	9·50	158·26
20th	16·00	222·22	14·00	210·80	14·50	183·55	18·90	153·13	12·33	114·18	11·75	79·75	12·50	54·50	13·42	22·36	15·08	48·82	15·25	19·55	9·10	157·86
21st	15·42	221·64	13·50	210·30	14·25	183·30	18·40	152·63	12·00	113·85	11·42	79·42	12·00	54·00	13·00	21·94	14·67	48·41	14·67	18·97	8·20	156·96
22nd	15·00	221·22	12·92	209·72	13·50	182·55	18·00	152·23	11·58	113·43	11·08	79·08	11·33	53·33	12·50	21·44	14·42	48·16	14·17	18·47	7·30	156·06
23rd	14·58	220·80	12·42	209·22	12·67	181·72	17·60	151·83	11·17	113·02	10·67	78·67	11·17	53·17	12·00	20·94	14·17	47·91	13·42	17·72	6·40	155·16
24th	14·25	220·47	11·25	208·05	11·75	180·80	17·30	151·53	10·75	112·60	10·33	78·33	11·00	53·00	11·50	20·44	14·00	47·74	13·08	17·38	5·20	153·96
25th	14·00	220·22	10·75	207·55	11·17	180·22	16·65	150·88	10·42	112·27	10·00	78·00	10·50	52·50	11·08	20·02	13·58	47·32	12·50	16·80	4·10	152·86
26th	13·67	219·89	10·00	206·80	10·67	179·72	16·30	150·53	10·08	111·93	9·58	77·58	10·17	52·17	11·78	20·72	13·17	46·91	12·08	16·38	3·30	152·06
27th	13·42	219·64	9·75	206·55	10·17	179·22	15·70	149·93	9·67	111·52	9·25	77·25	9·83	51·83	10·17	19·11	12·67	46·41	11·67	15·97	3·10	151·86
28th	13·17	219·39	9·50	206·30	10·00	179·05	15·50	149·73	9·17	111·02	8·92	76·92	9·50	51·50	9·92	18·86	12·58	46·32	11·58	15·88	2·50	151·26
29th	12·92	219·14	9·33	206·13	9·75	178·80	15·20	149·43	8·67	110·52	8·50	76·50	9·17	51·17	9·75	18·69	12·50	46·24	11·25	15·55	2·10	150·86
30th	12·67	218·89	9·17	205·97	9·58	178·63	15·00	149·23	8·46	110·31	8·17	76·17	9·00	51·00	9·50	18·44	12·21	45·95	11·08	15·38	2·00	150·76
31st	12·25	218·47	8·83	205·63	9·33	178·38	15·00	149·23	8·17	110·02	7·83	75·83	8·67	50·67	9·25	18·19	11·92	45·66	10·83	15·13	1·90	150·66

CALCUTTA,
The 29th December 1891.

W. A. INGLIS,
Offg. Under-Secy. to the Govt. of Bengal.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 19th December 1891, on 1,525½ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	*232,829	3,12,305 5 0	3,72,702 20	6,28,037 8 0	17,678 7 0	9,58,021 4 0	74,456½	100,821½	175,278
Or per mile of railway	......	204 11 7	.....	411 11 1	11 9 5	628 0 1	......	......	.....
For previous 24 weeks of half-year	5,954,695	64,92,857 8 0	5,40,27,274 10	1,31,77,656 12 0	3,68,689 3 2	2,00,39,203 7 2	1,707,181	2,199,507¾	3,906,688¾
Total for 25 weeks ...	6,187,524	68,05,162 13 0	5,74,99,976 30	1,38,05,694 4 0	3,86,367 10 2	2,09,97,224 11 2	1,781,637¼	2,300,329¼	4,081,966¾
Comparison.									
Total for corresponding week of previous year	200,349	2,68,343 3 7	23,08,342 30	6,11,211 4 8	18,750 13 2	8,98,305 5 5	69,838	90,132	159,970
Per mile of railway corresponding week of previous year ...	......	175 14 6	......	400 10 7	12 4 8	588 1 9	......	......	.....
Total to corresponding date of previous year	5,757,416½	64,08,952 6 1	4,82,53,013 30	1,18,14,970 3 11	4,06,328 2 8	1,86,30,250 12 8	1,659,131	1,949,772	3,608,903

* The increase in coaching traffic is partly due to running of a remount special train, partly to military reviews, and partly to general development.

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 19th December 1891, on 57⅓ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,300	5,996 1 0	40,567 0	2,597 7 0	47 0 0	8,610 8 0	1,786	608	2,394
Or per mile of railway	197½	104 13 2	709 10	45 6 7	0 13 2	151 0 11	.....	......	.....
For previous 24 weeks of half-year	317,843	1,71,682 14 0	11,46,318 0	*74,080 4 0	†1,355 10 0	2,47,118 12 0	35,122	16,858	51,980
Total for 25 weeks ...	329,143	1,77,678 15 0	11,86,885 0	76,677 11 0	1,402 10 0	2,55,759 4 0	36,908	17,466	54,374
Comparison.									
Total for corresponding week of previous year	9,887½	4,723 11 9	36,971 10	2,484 6 0	31 10 9	7,239 12 6	1,822	572	2,394
Per mile of railway corresponding week of previous year ...	164	82 9 4	646 20	43 6 11	0 8 10	126 9 1	......	......	......
Total to corresponding date of previous year	325,007	1,79,239 6 0	9,18,934 20	60,996 5 0	1,444 0 6	2,41,679 11 6	35,215	15,040	50,255

* Added Rs. 3 4 0 } on account of supplemental audited returns for the last 4 days of September 1891.
† Ditto „ 373 10 0 }

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 19th December 1891, on 22¼ miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,891	4,486 6 0	7,183 30	345 14 0	16 0 0	4,848 4 0	867	101	968
Or per mile of railway	......	201 10 2	......	15 8 9	0 11 6	217 14 5	.....	.....	.. ..
For previous 24 weeks of half-year	437,015	1,07,932 1 0	1,94,440 20	8,057 5 0	*683 11 6	1,16,673 1 6	21,129	2,337	23,516
Total for 25 weeks ...	453,906	1,12,418 7 0	2,01,624 10	8,403 3 0	699 11 6	1,21,521 5 6	21,996	2,438	24,484
Comparison.									
Total for corresponding week of previous year	14,481	3,534 7 10	9,363 0	393 5 0	5 2 3	3,929 15 1	873	95	968
Per mile of railway corresponding week of previous year ...	......	158 13 8	......	17 8 8	0 3 8	176 10 0	......	......	...
Total to corresponding date of previous year	427,123½	1,05,499 0 7	1,89,874 0	7,066 2 0	401 1 8	1,12,966 4 3	22,372	1,498	23,870

* Added Rs. 463-11-6 on account of supplemental audited returns for the last 4 days of September 1891.

DELHI-UMBALLA-KALKA RAILWAY.

Approximate Return of Traffic for week ended 19th December 1891, on 162 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated).	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ..	14,090	10,097 11 0	52,673 30	8,389 7 6	76 0 0	18,563 2 0	6,612	1,840½	8,452½
Or per mile of railway	......	62 5 4	......	51 12 7	0 7 6	114 9 5	......	......	......
For previous 24 weeks of half-year	349,453	2,78,196 11 0	*9,62 819 0	*1,97,126 13 0	†2,566 9 6	4,77,890 1 6	149,046½	36,214	185,260½
Total for 25 weeks ...	363,543	2,88,294 6 0	10,15,492 30	2,05,516 4 0	2,642 9 6	4,96,453 3 6	155,658½	38,054½	193,713
Comparison.									
Total for corresponding week of previous year	.....	......	.. ...	......	......	......	.... .	......	......
Per mile of railway corresponding week of previous year .	... ..	... ..	......	......	......	... ..	......	......	.....
Total to corresponding date of previous year	......	......	..	......	......	. ....	......	......	.. ...

* Added mds. 133-10 and Rs. 778 1 0 } on account of supplemental audited returns for the last 4 days of September 1891.
† Ditto ,, 1,027 9 6 }

BENGAL AND NORTH-WESTERN RAILWAY.

(Includes the Tirhoot State Railway.)

Approximate Return of Traffic for the week ending 12th December 1891, on 739 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs.	Mds.	Rs.	Rs.	Rs.			
Total traffic for the week on 739 miles open	87,340	34,860	2,69 660	34,180	7,260	76,300	12,662	13,478	26,140
Or per mile of railway	118 19	47·17	364·90	46·25	9·83	103·25	.....	...	......
For previous 22½ weeks of half-year	1,958,594	7,99,309	62,94,679	7,64,885	1,99,904	*a* 17,64,098	290,071	315,658	*a* 605,729
Total for 23½ weeks ...	2,045,934	8,34,169	65,64,339	7,99,065	2,07,164	18,40,398	302,733	329,136	631,869
Comparison.									
Total for corresponding week of previous year on 699 miles open	77,597	32,687	*b* 3,28,770	62,869	6,833	1,02,389	13,010	13,418	26,428
Per mile of corresponding week of previous year	111·01	46·76	470·34	89·94	9 78	146·48	......	......	......
Total to corresponding date of previous year	2,009,147	7,42,248	66,09,031	8,06,146	1,63,551	17,71,945	290,096	309,937	600,033

a Includes audited figures up to 31st October 1891.
b Approximate figures.

EARNINGS.

HEADS.	B. & N.-W. Railway.		Tirhoot State Railway.	
	Week ending 12th December 1891.	Week ending 13th December 1890.	Week ending 12th December 1891.	Week ending 13th December 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	19,420 0 0	14,384 0 0	15,440 0 0	18,323 0 0
Goods	17,300 0 0	34,504 0 0	16,880 0 0	28,365 0 0
Other earnings	4,600 0 0	3,333 0 0	2,660 0 0	3,500 0 0
Total ..	41,320 0 0	52,201 0 0	34,980 0 0	50,188 0 0

BENGAL AND NORTH-WESTERN RAILWAY.

(INCLUDES THE TIRHOOT STATE RAILWAY.)

Approximate Return of Traffic for the week ended 19th December 1891, on 739 miles open.

	Coaching Traffic.		Merchandise and Mineral Traffic.		Other earnings (estimated), including steam-boat.	Total earnings.	Traffic Train-miles run.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Tot[al]
		Rs.	Mds.	Rs.	Rs.	Rs.			
...e for the week on 739 ...n	83,290	36,180	250,700	31,120	6,990	74,200	12,839	13,445	26,
...ile of railway	112·71	48·96	330·24	42·11	9·40	100·53	...	...	...
...ous 23½ weeks of half-	2,043,982	8,32,681	65,82,253	7,96,642	2,09,319	a 18,38,042	303,562	329,185	a 632,
Total for 24½ weeks	2,127,272	8,68,861	68,32,953	8,27,762	2,16,309	19,12,932	316,401	342,630	659,
COMPARISON.									
...r corresponding week of ...ous year on 690 miles open	73,970	20,553	b 3,44,790	44,773	6,010	18,236	11,990	14,759	26,
...ile of corresponding week ...vious year	105·82	42·28	493·26	64·05	9·80	116·22	......	......	....
...o corresponding date of ...ous year	2,083,117	7,71,891	69,53,821	9,10,919	1,70,461	18,53,181	302,086	324,696	626

a Includes audited figures up to 7th November 1891.
b Approximate figures.

EARNINGS.

HEADS.	B. & N.-W. RAILWAY.		TIRHOOT STATE RAILWAY.	
	Week ending 19th December 1891.	Week ending 20th December 1890.	Week ending 19th December 1891.	Week ending 20th December 1890.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Coaching	17,660 0 0	13,193 0 0	18,520 0 0	16,360 0 0
Goods	16,080 0 0	10,578 0 0	14,440 0 0	25,193 0 0
Other earnings	4,860 0 0	4,044 0 0	2,630 0 0	2,866 0 0
Total ...	38,700 0 0	36,8[illegible]5 0 0	35,590 0 0	44,421 0 0

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